Index-Catalogue of Medical and Veterinary Zoology
Supplement 23, Part 6,
Section A. Subject Headings: A-I
Parasite-Subject Catalogue
Subject Headings and Treatment
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Parasite-Subject Catalogue
Subject Headings and Treatment

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The Index-Catalogue of Medical and Veterinary Zoology is an index to the world's literature on animal parasites of animals, including man. The Catalogue is distributed to qualified individuals and libraries throughout the world without charge. It has been maintained in cumulative files since 1892. Only the Author Catalogue has been published in its entirety. A revision of the Author Catalogue of the Index-Catalogue of Medical and Veterinary Zoology, consisting of Parts 1 to 18, was published during the period 1932-52. Beginning in 1953, a series of supplements designed to publish the backlog was initiated. This was completed with Supplement 6, published in 1956. From 1956 to 1964, supplements covering authors A to Z were issued on an annual basis.

Beginning with Supplement 15, the Parasite-Subject Catalogues, containing indices to the author references, have been issued. The Author Catalogues of Supplements 15-21 continued the format of previous supplements. Users should note that for each reference in the Author Catalogues of these supplements the author(s) plus the date and letter (e.g., Smith, J.; and Doe, L., 1978 b) are the key to all items in the Parasite-Subject Catalogues derived from that reference. In other words, when using the Parasite-Subject Catalogues of Supplements 15-21, it is necessary to consult the Author Catalogue of the corresponding supplement for complete bibliographic information.

Commencing with Supplement 22, basic bibliographic information is included with each entry in Parts 2-7. It should be emphasized, however, that it will still be useful to consult the Author Catalogue for a variety of other information that may be found there: Title of the reference, translated title, language of text and summaries, issue date, library from which the original may be obtained, published corrections, related references by the same author, and other miscellaneous information.

Each supplement consists of the following parts:

- Part 1, Authors: A-Z
- Part 2, Parasite-Subject Catalogue: Parasites: Protozoa
- Part 3, Parasite-Subject Catalogue: Parasites: Trematoda and Cestoda
- Part 4, Parasite-Subject Catalogue: Parasites: Nematoda and Acanthocephala
- Part 5, Parasite-Subject Catalogue: Parasites: Arthropoda and Miscellaneous Phyla
- Part 6, Parasite-Subject Catalogue: Subject Headings and Treatment
- Part 7, Parasite-Subject Catalogue: Hosts

Users should bear in mind that this is an Index-Catalogue, not a treatise, and should not expect to find reasons for any given entry. Nor does citing of synonymy mean that it is necessarily correct. The same statement holds for hosts, locations, localities, authorship of taxa, designation of new taxa, etc. These items are cited as given by the author(s) of the publication being indexed.

The information included in any given supplement represents only the publications that have been indexed in that supplement; and therefore, exclusion of, or limited entries for, any given author or parasite has no significance. No pretension is made for completeness, and assistance in correcting errors or obtaining additional information is appreciated. Reprints of papers on parasitology are requested.
Author Catalogue
The Author Catalogue (Part 1 of each supplement) contains full bibliographic information for each publication indexed during the compilation of that supplement. A symbol for the library from which the original publication may be obtained is given at the end of each entry, e.g., Wa, Wm, Wc, etc. A key to these library symbols may be found in Supplements 10 and 20. A list of serial abbreviations new to our files is published at the beginning of each Author Catalogue.

Parasite Catalogues
The Parasite Catalogues (Parts 2-5 of each supplement) are divided by parasite phyla (Protozoa, Trematoda, etc.). They are arranged alphabetically by genera, parasitic diseases, and higher taxa and then alphabetically by species within genera. Entries under each heading are in turn arranged alphabetically by authors and then chronologically for each author. Each entry consists of the name of the parasite or parasitic disease, the author(s) of the publication, date, abbreviated title of the publication, volume, number, inclusive pages, and a subheading. Illustrations of parasites are indicated by the word illus. following the name of the parasite.

Fasciola hepatica, illus.
  Smith, J.; and Doe, L., 1978, J. Parasitol., v. 64 (1), 30-38
Fasciola hepatica, white mice, successful vaccination with culture incubate antigens and antigens from sonic disruption of immature worms

Subheading
Bibliographic information (author line(s))

Entry term

A variety of information is found indented beneath the author line(s) of each entry: Classification, hosts, synonymy, keys, treatment, etc. Subheadings are guides to the subject matter of the publication.

(1) Classification: In entries based on systematic articles, the subheading may give the higher taxa in which the taxon has been placed or it may list the lower taxa included in a higher taxon.

(2) Hosts: The only hosts recorded are those that pertain directly to the author’s own work. Scientific host names are used unless the author gives only common names, in which case the host names are given exactly as in the original publication.

However, when host common names are in Cyrillic alphabet languages, host Latin names are assigned and listed instead of the common name; these are in square brackets {}.

Locations of parasites in or on hosts are given in parentheses (). Where a host-parasite relationship is well known, a host may be given under a parasite name and not in the Host Catalogue; this applies particularly to parasites of medical and veterinary importance and of worldwide distribution. A + before the host name on the parasite entry means that no host entry was made for this particular reference.

(3) Synonymy: Usually only those synonyms which the author indicates as new, or which are new to the files of the Index-Catalogue of Medical and Veterinary Zoology, are given.

(4) Keys: The subheading “key” indicates that the name is included in a taxonomic key.

(5) Treatment: When there are several antiparasitic agents mentioned in a publication, a general term is used in the subheading, e.g., anthelmintics, insecticides, protozoacides. However, in the Treatment Catalogue, all agents tested by the investigator(s) are listed.

(6) Geographic Distribution: When there are multiple hosts and geographic localities, the appropriate locality is recorded after each host name; when the hosts of a parasite are all from one locality, they are recorded as “all from” this locality.

(7) Other Subject Matter: Phrases indicate other subject matter discussed (e.g., immunity, metabolism, morphology, etc.).

Subject Headings Catalogue
The Subject Headings Catalogue (the first section of Part 6 of each supplement) is an alphabetic arrangement of entry terms from a controlled list of subject headings. Each entry consists of the subject heading, bibliographic information, and a subheading reflecting the information contained in the paper. Subject headings with numerous entries are separated into alphabetized subdivisions, e.g.,

Immunity
Immunity, Agglutination
Immunity, Allergy

Treatment Catalogue
In the Treatment Catalogue (a section of Part 6 of each supplement), all entries referring to one antiparasitic agent are grouped under one heading (regardless of the name used by the investigator) and are then listed alphabetically by author. Other names for the same agent are cross-referenced to the name used for filing. When generic and chemical names are available, preference is given to those names as headings.
rather than to trade names or code numbers and letters. Code number designations for compounds are entered in the Number Index in numerical order and cross-referenced to the name under which they are listed in the alphabetical section. Salts of a compound are usually grouped together, e.g., piperazine adipate, piperazine citrate, etc., are all listed under Piperazine. Sometimes verifying synonymy of drug names is impossible; consequently, groupings and cross-references are not always authenticated although as many as possible have been checked with reliable sources. In some instances, the cross-references are based entirely on information in papers indexed and verification was not possible. Foreign language terminology has been Anglicized where feasible. Chemosterilants, Molluscicides, and Repellents are entered under these three collective headings and not under the individual chemical. The format is the same as the parasite entries: Entry term (in this case, drug name), bibliographic information, and subheading.

Host Catalogue
The Host Catalogue (Part 7 of each supplement) is arranged alphabetically by genera, common names, and higher taxa and then alphabetically by species within genera. Nominate subspecies are interfiled with the species. Entries under each heading are in turn arranged alphabetically by author(s) and then chronologically for each author. The format is the same as in the other Catalogues, i.e., entry term (in this case, host name), bibliographic information, and subheading. Indented beneath the author line(s) of each host entry are all the parasites of a particular phylum that were reported from this host in the paper in question. Body locations of these parasites will be found in parentheses () either in the subheading or with the host name. Experimental infection is reported as such. When there are multiple parasites and geographic localities, the appropriate locality is recorded after each parasite name; when the parasites from this host are all from one locality, they are recorded as “all from” this locality. When authors use only common names of hosts, scientific names are cautiously supplied from authoritative sources after careful consideration. Cross-references from the common name used by the author to the scientific name supplied by the Index-Catalogue are filed among the host entries. Such supplied names are given in square brackets [ ]. If a scientific name cannot be supplied, English common names are used. Scientific names or English common names are always supplied for common names in Cyrillic alphabet languages, and no cross-references are made. Surveys of parasites of humans and domestic animals are often indexed under geographic headings and entered in Part 6, Subject Headings, in addition to appearing in the Host Catalogue. In this case, all parasite phyla are grouped under the same host entry, and individual parasite entries are not included in the Parasite Catalogue.

Visitors are welcome to come to the Animal Parasitology Institute to use the cumulative files. Arrangements should be made in advance for lengthy visits.

All correspondence should be addressed to:
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It is hoped that these Catalogues will serve as a useful tool to workers in the field of parasitology. Users are requested to preserve the Catalogues, since they are not designed for general distribution and the edition is limited.

The compilers thank the staffs of the National Agricultural Library, the National Library of Medicine, and all other libraries who have aided us invaluably by making publications available to us.

Trade names are used in this publication solely for the purpose of providing specific information. Mention of a trade name does not constitute a guarantee or warranty of the product by the U.S. Department of Agriculture or an endorsement by the Department over other products not mentioned.
Abnormalities. See Anomalies.

Abortion

Abbott, B.; and Ball, L., 1978, Theriogenology, v. 9 (3), 267-270

Toxoplasma gondii, pregnant cows, diagnosis by culture of cervical-vaginal mucus, not completely accurate but may identify cows at high risk of abortion

Abortion


Toxoplasma gondii strains isolated from rabbits and fetuses of ewes which miscarried, comparative studies of virulence and immunogenicity, role in etiology of abortion

Abortion


Sarcocystis cruzi, pregnant cows (exper.), abortion, practical diagnosis using maternal caruncle

Abortion


Chagas disease, human, survey of aborted fetal remains for incidence of congenital transmission: Brazil

Abortion


fascioliasis, cattle, high incidence of abortions reduced substantially and permanently following bilevon R treatment and snail control programme using copper sulphate: Venezuela

Abortion


fetal Babesia equi as cause of abortion: Brazil, imported from Florida, USA

Abortion


Anaplasma marginale-induced bovine abortions, 5 case reports, stress-lowered resistance may predispose cows to abortion: Sao Paulo State, Brazil

Abortion


Sarcocystis suicanis, pregnant sows (exper.), abortion, clinical manifestations

Abortion


toxoplasmosis, Asian women especially Malays, high infection rate, high rates of abortion, congenital anomalies, and low birth-weight infants, possible relationships: Singapore

Abortion


Toxoplasma gondii, human, no evidence of relationship between chronic or latent infection and fetal losses: Clinical Hospital, Ribeirao Preto-University of Sao Paulo Medical School

Abortion


Toxoplasma, sow, case of spontaneous abortion

Abortion


Protozoa as cause of abortions in cows: district of Rousse

Abortion


Toxoplasma gondii, sheep, survey of toxoplasma antigens in placenta of aborted material, indirect immunofluorescence: Federal Republic of Germany

Abortion


Trypanosoma cruzi, human, prenatal infection which resulted in miscarriage, clinical report: Triangulo Mineiro, Minas Gerais, Brasil

Abortion


Toxoplasma gondii, calves (exper.), pregnant cows (exper.), antibody titres measured by indirect fluorescent antibody test and dye test, Toxoplasma reisolated from 3 of the 5 calves, no abortions in pregnant cows and no evidence of infection in their calves, concluded that cattle do not readily acquire persistent T. gondii infections

Abortion


toxoplasmosis, sheep, cause of abortion, still-birth, fetal mummification, retained placenta, and lung disturbances in new-born lambs, preventive vaccination discussed

Abortion


Toxoplasma gondii, sheep, prevalence and distribution, not cause of high proportion of abortions: Provincia de Leon, Espana

Abortion


Sarcocystis from dogs, experimental infections in pregnant Holstein-Friesian and Jersey cows, clinical signs, serology, abortions and fetal deaths
Abscess, Amebic
Amebic hepatic abscess, systemic amoebiasis with multiple hepatic abscesses 9 months after successful treatment for amebic dysentery with metronidazole, systemic infection successfully treated with combination of emetine and chloroquine followed by an intensive course of metronidazole, chloroquine and chloramphenicol

Abscess, Amebic
Biersack, H. J.; et al., 1977, Therapiewoche, v. 27 (20), 4033-4038
Amebic hepatic abscess, humans, diagnosis and treatment analysis using scintigraphy

Abscess, Amebic
Entamoeba histolytica, man, development of systemic amoebiasis with multiple hepatic abscesses 9 months after successful treatment for amebic dysentery with metronidazole, systemic infection successfully treated with combination of emetine and chloroquine followed by an intensive course of metronidazole, chloroquine and chloramphenicol

Abscess, Amebic
Entamoeba histolytica, man, left upper lobe lung amebic abscess without established hepatic amoebiasis: South Africa

Abscess, Amebic
Entamoeba histolytica, man, hepatic abscess, serial ultrasonography used to monitor resolution of abscess after therapy with amoebicides

Abscess, Amebic
Brøndum Nielsen, K.; and Hegedus, V., 1975, ROEFO, v. 123 (5), 486-488
Entamoeba histolytica, amoebic liver abscess complicated by biliary fistula, clinical case report, diagnostic difficulties and suggestions for diagnostic awareness in non-endemic areas: Pakistani worker in Denmark

Abscess, Amebic
Amebic hepatic abscesses, human, case reports, potential causes of delay in diagnosis, value of ultrasonic scanning of liver in differential diagnosis

Abscess, Amebic
Buenemann, H.; Petersen, F.; and Mohr, W., 1976, ROEFO, v. 124 (2), 126-131
Human hepatic amoebiasis, size, localization and course of hepatic abscesses evaluated by scintigraphy and compared with clinical symptoms, use in diagnosis

Abscess, Amebic
Human hepatic amoebic abscess, diagnosis, peritoneoscopy

Abscess, Amebic
Human hepatic amoebic abscess, ultrasonographic studies on 50 patients, usefulness of this diagnostic method

Abortion
Swift, B. L.; and Paumer, R. J., 1978, Theriogenology, v. 10 (5), 395-403
Amebiasis, human hepatic amoebiasis, human hepatic infections, pathology and pathogenesis based on autopsies, mechanisms of evolution and extension of infections, vascular complications, immunological aberrations

Abortion
Swift, B. L.; Settlemire, J., jr.; and Thomas, G. M., 1978, Theriogenology, v. 10 (6), 481-485
Amoebiasis, human hepatic amoebiasis, human hepatic infections, pathology and pathogenesis based on autopsies, mechanisms of evolution and extension of infections, vascular complications, immunological aberrations
Abscess, Amebic

Abscess, Amebic
Entamoeba histolytica, pregnant woman, rupture of hepatic amebic abscess, guidelines for management: South Africa

Abscess, Amebic
amoebic liver abscess, human, prevalence, clinical aspects, diagnostic significance of erythrocyte sedimentation rate and aspiration biopsy: Cape Town

Abscess, Amebic
amoebic and pyogenic hepatic abscesses, human, extensive clinical review

Abscess, Amebic
unidentified free living amoeba (appeared to be neither Naegleria or Acanthamoeba-Hartmannella, but possibly Vahlkampfiidae) causing fatal primary amoebic meningocerephalitis and brain abscess in diabetic woman, case report, discussion of identifying characteristics, classification and speciation, public health implications: rural Smithfield, Virginia

Abscess, Amebic
Entamoeba histolytica, influence of pH on amoeboidal activity of 6 systemically active amoebicides against axenically grown parasites, results indicate that acidic pus in amoebic liver abscesses may account for some therapeutic failures

Abscess, Amebic
Eggleston, F. C.; et al., 1978, Surgery, St. Louis, v. 83 (5), 536-539
amoebic liver abscess, human, indications for surgery, operative procedures, and surgical results, 83 cases reviewed

Abscess, Amebic
human hepatic amoebiasis, previous history of corticosteroid therapy as a precipitating factor in abscess formation

Abscess, Amebic
Freeman, A. L.; and Bhoole, K. D., 1976, South African Med. J., v. 50 (14), 551-553
Entamoeba histolytica, man, hepatic abscess complicated by pneumopericardium, case report of fatal infection

Abscess, Amebic
Galvis Espinosa, H.; and Clavijo, G., 1975, Temas Escogidos Gastroenterol., v. 18, 137-175
amoebic hepatic abscess, human, analysis of 53 cases, diagnosis, therapy, complications

Abscess, Amebic
Harrison, H. R.; Crowe, C. P.; and Fulginiti, V. A., 1979, Pediatrics, Am. Acad. Pediat., v. 64 (6), 925-928
Entamoeba histolytica, children, hepatic abscesses, clinical and epidemiologic features, case reports

Abscess, Amebic
Intrasupt, S.; et al., 1976, Siriraj Hosp. Gaz., v. 28 (1), 1-7
amoebiasis, human hepatic abscess, diagnosis and differentiation from hepatic carcinoma using 99m technitium citrate as a liver scanning agent

Abscess, Amebic
Krettek, J. E.; Goldstein, L. I.; and Busuttil, R. W., 1979, Surg., Gynec. and Obst., v. 148 (4), 552-556
amoebic hepatic abscess, humans, presentations of acute abscess, differential diagnosis, surgical management, case reports

Abscess, Amebic
amoebiasis, human hepatic abscess, comparison of angiography and scintigraphy as diagnostic methods

Abscess, Amebic
Entamoeba histolytica, human hepatic abscess, symptoms, diagnosis, medical management, suggested therapy

Abscess, Amebic
amoebic liver abscess, humans, serum protein patterns compared with those of patients with primary hepatoma using electrophoresis and immunoelectrophoresis, value in differentiating conditions

Abscess, Amebic
amoebic abscess, human hepatic, visualization by tomographic scans after injection of triiodide benzoic acid, useful for diagnosis and treatment evaluation

Abscess, Amebic
human amoebiasis, diagnostic review of complications resulting from hepatic abscess (secondary bacterial infections, rupture of abscess into thoracic or abdominal cavity, infection spread to skin, formation of cerebral abscess)

Abscess, Amebic
amoebic liver abscess, patients presenting with jaundice, diagnostic problems resulting in delayed therapy often result in fatal complications of hepatic and renal failure
Abscess, Amebic

Peyron, J. P.; Marbot, J. M.; and Pascal-Suisse, P., 1979, Med. Trop., v. 39 (6), 665-673

ameobic liver abscesses, humans, echography in diagnosis, treatment and surveillance, especially useful in tropical areas

Abscess, Amebic


Entamoeba histolytica, 34-year-old man, case report, haemobilia as complication of ameobic liver abscess, diagnosis by arteriography: King Edward VIII Hospital, Durban

Abscess, Amebic

Ramachandran, S.; et al., 1979, Trop. Doctor, v. 9 (4), 164-167

ameobiasis, human hepatic abscess, criteria of diagnostic significance and scoring system for making diagnosis: Sri Lanka

Abscess, Amebic


Entamoeba histolytica, possible role of hepatic trauma in the genesis of hepatic abscess, clinical case report on man who developed acute abscess 2 weeks after receiving severe blow over hepatic region of thorax: Sri Lanka

Abscess, Amebic


human hepatic ameobic abscess with involvement of the pericardium, case report, diagnosis by fluoroscopy and radioisotopes, surgical management

Abscess, Amebic


human hepatic amoebic abscess, isotope scanning and ultrasonography, combined use for differential diagnostic workup and for therapeutic evaluations

Abscess, Amebic

Shabot, J. M.; and Patterson, M., 1978, Am. J. Digest. Dis., n.s., v. 23 (2), 110-118

Entamoeba histolytica, 10-year (1966-1976) retrospective analysis of 15 patients with ameobic liver abscess: clinical findings, management, case reports: Texas

Abscess, Amebic

Shamov, Iu. A., 1978, Terap. Arkh., v. 50 (8), 70-73

ameobiasis, human hepatic abscess, diagnosis, medical and surgical therapy, case reports

Abscess, Amebic


human hepatic amoebic abscess, diagnosis, ultrasound

Abscess, Amebic

Sobrinho, J. B.; Lima, I. A.; and Brito, E. S. (filho), 1976, Rev. Brasil. Cirug., v. 66 (1-2), 19-24

Entamoeba histolytica, human hepatic abscess, hospital case survey, clinical and surgical treatment review: Manaus, Brazil

Abscess, Amebic


human ameobic hepatic abscess, analysis of hospital cases (presenting symptoms, complications, medical and surgical management): Mexico

Abscess, Amebic


Entamoeba histolytica, human, liver abscess, clinical features, response to therapy, review of 24 cases: Wessex region, Great Britain

Abscess, Amebic


ameobiasis, human hepatic abscess, scanning and selective hepatic arteriography for diagnosis and differential diagnosis

Abscess, Amebic


ameobic hepatic abscess, humans, intermuscular rupture into abdominal wall with presentation of appendicitis, diagnostic problems, case reports: Sri Lanka

Absorption. [See also Osmosis; Permeation]

Absorption, Host


Fasciolopsis buski, schoolchildren, serum vitamin B12, serum and red cell folate, serum vitamin B12 and serum folate binding proteins, vitamin B12 absorption

Absorption, Host

Bloch, K. J.; et al., 1979, Gastroenterology, v. 77 (5), 1039-1044

Nippostrongylus brasiliensis-infected rats, normal rats, or rats subjected to mild systemic anaphylaxis, intestinal uptake of protein antigen (bovine serum albumin)

Absorption, Host

Brasitus, T. A., 1979, Am. J. Med., v. 67 (6), 1058-1063

parasitic infections, association with malabsorption in man

Absorption, Host


Trichinella spiralis-infected rats, inadequate oral food intake rather than changes in basal metabolism or intestinal pathophysiology accounts for weight loss during intestinal phase of infection

Absorption, Host


Trichinella spiralis, rats, intestinal fluid movement in response to primary or secondary infection, relationship to prevention of worm establishment
Absorption, Host
Strongyloides stercoralis, humans, investigation of intestinal malabsorption associated with parasitism; correlation between higher levels of fecal fat content in persons with morphologic changes in small bowel thus indicating that fecal fat content is reliable index of malabsorption

Absorption, Host
Eimeria tenella, chickens (exper.), absorption of iron in small intestine, concentration of iron in tissues and organs

Absorption, Host
Ascariis lumbricoides and/or Giardia lamblia, children, marked impairment of vitamin A absorption

Absorption, Host
Major, J. R., Jr.; and Ruff, M. D., 1978, J. Parasitol., v. 64 (4), 706-711
Eimeria spp.-infected broilers, reduced disaccharidase activity in region of intestine with maximum infection, this reduction is related to both time and severity of infection and can contribute to overall reduction in nutrient absorption

Absorption, Host
Mettrick, D. F.; Budziakowski, M. E.; and Podesta, R. B., 1979, Canad. J. Physiol. and Pharmacol., v. 57 (8), 882-886
Nonliformis dubius, net fluxes of electrolytes in infected rat intestine

Absorption, Host
Mettrick, D. F.; and Jackson, D. J., 1979, J. Helminth., v. 53 (3), 213-222
Hymenolepis diminuta-infected rats, vitamin malabsorption in intestine

Absorption, Host
Eimeria spp., chicks (exper.), no interference with overall intestinal absorption of 14C-glucose, results suggest probable compensatory absorption by sections of intestine unaffected by a specific coccidial infection

Absorption, Host
Schiostosoma mansoni, humans, fat absorption, increased presence of eggs and granulomatous lesions in deep layers of small intestine, suggest possible selective malabsorption of certain nutrients

Absorption, Host
Eimeria spp., chickens, anticoccidials, safe withdrawal times, effect on nutrient malabsorption

Absorption, Host
Giardia lamblia, intestinal colonization by enterobacteria as possible important contributing factor in the development of malabsorption in humans with giardiasis

Absorption, Host
Schistosoma mansoni-infected Mus musculus, body weight, food intake, small intestinal weight, impaired transport of glucose, 3-O-methylglucose, sorbitol, and fluid, surface appearance of intestinal mucosa

Absorption, Host
Schistosomiasis and/or hookworm, humans, study of blood and nutrition losses shows that drain on iron, protein, zinc and vitamin A stores plus other pathology is more significant as cause of malnutrition than abnormality of absorption functions: Egypt

Absorption, Parasite
Physiology of fish parasites: review, chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition, role of gut, role of tegument; metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)

Absorption, Parasite
Bahr, J. M.; Frayha, G. J.; and Hajjar, J. J., 1979, Comp. Biochem. and Physiol., v. 62A (2), 485-489
Echinococcus granulosus, mechanism of cholesterol absorption by secondary hydatid cysts

Absorption, Parasite
Batson, B. S., 1979, Internat. J. Parasitol., v. 9 (6), 495-503
Gastromermis boophthorae, body wall, ultrastructural changes during life cycle, alkaline phosphatase activity, relationship to transcuticular uptake of nutrients

Absorption, Parasite
Beilinskaia, V. Z., 1973, Parazitologiia, Leningrad, v. 7 (2), 116-122
Hypoderma bovis, 1st stage larvae, uptake of amino acids tagged with radioisotopes

Absorption, Parasite
Schistosoma mansoni schistosomules grown in vivo and in vitro, transmission and scanning electron microscopic and cytochemical studies, tegumental changes following penetration, onset of phosphatase activity

Absorption, Parasite
Boonlayangoor, P.; et al., 1978, Exper. Parasitol., v. 45 (2), 225-233
Entamoeba histolytica, uptake of purine bases and nucleosides during axenic growth
Absorption, Parasite
Schistosoma mansoni-infected mice injected with peroxidase and Thorotrast, subsequent appearance of these tracers in worms, results suggest that tegumental and cecal surfaces may exhibit functional specialization in male vs. female worms

Absorption, Parasite
Catto, B. A.; and Ottesen, E. A., 1979, Comp. Biochem. and Physiol., v. 63C (2), 235-242
Schistosoma mansoni schistosomules, serotonin uptake

Absorption, Parasite
Chen, S. N.; and Howells, R. E., 1979, Exper. Parasitol., v. 47 (2), 209-221
Brugia pahangi, uptake and incorporation of adenosine, no evidence of uptake or incorporation of thymidine

Absorption, Parasite
Chen, S. N.; and Howells, R. E., 1979, Parasitology, v. 78 (3), 343-354
Brugia pahangi, infective larvae, juveniles, adults, uptake in vitro of dyes, monosaccharides, and amino acids, no evidence for oral uptake, transcuticular route of uptake may be employed

Absorption, Parasite
Cornford, E. N.; and Oldendorf, W. H., 1979, J. Parasitol., v. 65 (3), 357-363
Brugia pahangi, uptake and incorporation of adenosine, no evidence for uptake of thymidine, arginine and arginino syntetase activity in tegument

Absorption, Parasite
Davydov, O. N.; and Kosenko, L. Ia., 1972, Parazitologiya, Leningrad, v. 6 (3), 269-273
Ligula intestinalis, anylase in surface layer of plerocercoids and in media in which they were maintained, findings suggest capability of membrane (contact) digestion and absorption of food from host

Absorption, Parasite
digenetic trematodes, structure of tegument is adapted to serve the two primary functions of absorption and protection and represents a compromise between demands of the two roles, analysis and integration of already available information, implications for view of method of formation of tegument and for nomenclature of tegumental structures

Absorption, Parasite
Driuchenko, E. A.; and Berdyeva, G. T., 1974, Parazitologiya, Leningrad, v. 8 (3), 208-211
Ascaris suum, Ascaridia galli, amino acid uptake

Absorption, Parasite
Ernst, S. C., 1976, Rice Univ. Studies, v. 62 (4), 81-95
Schistosoma mansoni, alkaline phosphatase activity, biochemical and cytochemical studies, tegumental localization suggests that invaginations of tegument represent surface compartments that would facilitate digestive absorptive activity of this membrane, localization of nonspecific alkaline phosphatase activity in tegument but not in esophagus or cecum may reflect regional differences in function

Absorption, Parasite
Echinorhynchus gadi, Acanthocephalus lucii, Polymorphus minutus, Macracanthorhynchus hirudinaceus, teguement, stereoscan and transmission electron microscopy; invaginations of outer plasma membrane increase absorptive surface, morphometric analysis, comparisons with other parasitic helminths and with rotifers

Absorption, Parasite
Greenberg, J.; Sharma, P. R.; and Deshusses, J., 1978, European J. Biochem., v. 89 (2), 461-469
Trypanosoma brucei, D-glucose transport

Absorption, Parasite
Dicrodiphora merlangi, trans-tegumental absorption of L-alanine and L-leucine, worm is clearly sanguinivorous and digests blood in well-developed gut but may also be capable of supplementing this diet with low molecular weight organic nutrient absorbed directly from sea water via tegument

Absorption, Parasite
Hansen, B. D., 1979, Exper. Parasitol., v. 48 (2), 296-304
Trypanosoma gambiense, membrane transport of amino acids

Absorption, Parasite
Higgins, J. C., 1979, Parasitology, v. 78 (1), 99-106
Bucephalus hameanus, metacercaria, role of tegument in absorption of particulate material and small molecules in solution

Absorption, Parasite
Irvin, A. D.; and Young, E. R., 1979, Internat. J. Parasitol., v. 9 (2), 109-114
Babesia spp. of cattle and mice, uptake and metabolism of tritiated nucleic acid precursors

Absorption, Parasite
Ascaridia galli, in vitro glucose uptake greater in worms from vaccinated chicks than in those from unvaccinated chicks, increased parasite surface permeability possibly related to increased host immunity
Absorption, Parasite
Hymenolepis diminuta, hydrolysis and transport of nucleotides

Absorption, Parasite
Law, S. S.; and Mukkada, A. J., 1979, J. Protozool., v. 26 (2), 295-301
Leishmania tropica, transport of L-proline and its regulation in promastigotes

Absorption, Parasite
Lee, R. D.; and Ugelm, G. L., 1978, J. Parasitol., v. 64 (3), 426-430
Hymenolepis diminuta, effect of Na⁺ exchange on ²²Na⁺ and "H-glucose influx rates, estimation of coupling coefficient for these molecules

Absorption, Parasite
Lussier, P.; and Mettrick, D. F., [1979], J. Parasitol., v. 64 (6), 1978, 1139-1140
Hymenolepis diminuta, effect of ATP on amino acid transport

Absorption, Parasite
Lussier, P. E.; Pedesta, R. B.; and Mettrick, D. F., [1979], J. Parasitol., v. 64 (6), 1978, 1140-1141
Hymenolepis diminuta, amino acid transport and osmoregulation

Absorption, Parasite
Hymenolepis diminuta, specificity of amino acid transport in the tapeworm and in its rat host

Absorption, Parasite
Crithidia fasciculata, α-aminoisobutyrate transport: effect of incubation medium composition, kinetic studies, effects of inhibitors, studies on respiration, metabolic effects of inhibitors

Absorption, Parasite
Hymenolepis diminuta, mature specimens, distribution of glycogen and of radioactive compounds accumulated in tissues after incubation in glucose-¹⁴C₁-6

Absorption, Parasite
Hymenolepis diminuta, oncospheres and cysticercoids, glycogen distribution, accumulation of radioactive compounds after incubation in glucose-¹⁴C₁-6

Absorption, Parasite
Parshad, V. R.; and Guraya, S. S., 1978, J. Helminth., v. 52 (4), 327-335
Cotylophoron, cotylophorum, nature of food material, morphology and histochemistry of intestinal caecum, functional significance of surface carbohydrates and hydrolytic enzymes in relation to digestion and absorption of nutrients

Absorption, Parasite
4 helminth spp., comparison of phosphatases, effects of pH, various chemicals, and some anthelmintics on enzyme activity, anthelmintics may affect absorptive process in worms by virtue of their effect on phosphatase system at absorptive surfaces

Absorption, Parasite
Ascaris suum, effect of ATP, B₅ and DNP on transport of amino acid in vitro

Absorption, Parasite
Ascaris suum, role of nervous system in regulating cuticular permeability

Absorption, Parasite
Pavlov, A. V.; and Pedesta, R. B., 1978, Canad. J. Zool., v. 56 (11), 2344-2354
Hymenolepis diminuta, characterization in vitro of H secretion and H : Na⁺ exchange

Absorption, Parasite
Pedesta, R. B., 1979, J. Parasitol., v. 65 (4), 669-671
Hymenolepis diminuta, galactose influx by tissue slices, cellular Na⁺ and ATP effects

Absorption, Parasite
Tremorchis ranarum, Caneo tigrinum, Mermis nigrescens, presence of only one type of epithelial cells in caeca performing both functions of secretion and absorption

Absorption, Parasite
Rembold, H.; and Langenbach, T., 1978, J. Protozool., v. 25 (3, pt. 2), 404-408
Crithidia fasciculata, effect of colchicine on cell membrane and on biopterin transport

Absorption, Parasite
Rutherford, T. A.; Webster, J. M.; and Barlow, J. S., 1977, Canad. J. Zool., v. 55 (11), 1773-1781
Mermis nigrescens, parasitic larval stages, physiology of glucose and amino acid uptake in vitro

Absorption, Parasite
Schanbacher, L. M.; and Beames, C. G., jr., 1978, J. Parasitol., v. 64 (1), 89-92
Ascaris suum, fate of endogenous carbohydrate of worm intestine in vitro, effect of exogenous glycogen and trehalose upon rate of movement of 3-O-methylglucose across sac preparations of intestine

Absorption, Parasite
Trypanosoma lewisi, membrane function (glucose, leucine, and potassium transport; S' nucleotidase activity) in dividing and ablastin-inhibited trypanosomes

Absorption, Parasite
Shmueli, T., 1979, J. Protozool., v. 26 (4), 515-520
Trypanosoma lewisi, effect of 2-keto-gluconate on transport of 3-O-methylglucose and galactose in vitro

Absorption, Parasite
Tschirch, R. F.; and Ugelm, G. L., 1977, J. Parasitol., v. 63 (5), 850-858
Ascaris suum, glycogen metabolism in the intestine, effect of inhibitors on respiration and metabolism of the nematode

Absorption, Parasite
Tschirch, R. F.; and Ugelm, G. L., 1978, J. Parasitol., v. 64 (5), 850-858
Ascaris suum, glycogen metabolism in the intestine, effect of inhibitors on respiration and metabolism of the nematode

Absorption, Parasite
Tschirch, R. F.; and Ugelm, G. L., 1979, J. Parasitol., v. 65 (5), 850-858
Ascaris suum, glycogen metabolism in the intestine, effect of inhibitors on respiration and metabolism of the nematode
Absorption, Parasite
Ascaris suum, adult, protein absorption through mouth only (serum protein, casein, gelatin); addition of intact protein to culture medium unnecessary because there is no cuticular absorption and only limited intestinal absorption

Absorption, Parasite
Ascaridia galli, in vitro uptake of proteins of differing structure and biological importance; absorption through intestine rather than through cuticle

Absorption, Parasite
Isoparorchis hypselobagri adults, in vitro survival in various salt solutions and with addition of various sugars; carbohydrates absorbed through cuticle, pH 9 optimum

Absorption, Parasite
Moniliformis dubius, carbohydrate transport: post-absorptive phosphorylation of glucose and role of trehalose in accumulation of endogenous glucose reserves

Absorption, Parasite
Taenia crassiceps larvae, absorption kinetics of some purines, pyrimidines, and nucleosides

Absorption, Parasite
Hymenolepis diminuta, membrane transport of glucose and 8-methylglucoside, value of using 8-methylglucoside to study mechanism of hexose transport and accumulation in this parasite

Absorption, Parasite
Quinqueserialis quinqueserialis, ultrastructure of ventral papillae, suggested that papillae are nonglandular and may function in nutrient absorption

Acarology, Manuals and textbooks
Flechtmann, C. H. W., 1975, Elementos de acarologia, 344 pp., illus.

Acarology, Manuals and textbooks

Acarology, Manuals and textbooks
McDaniel, B., 1979, How to know the mites and ticks, 335 pp., illus., mites and ticks, collecting and mounting techniques, morphology, analytical keys

Acarology, Manual and textbooks
Nikol'skii, S. N.; and Potemkin, V. I., 1975, Parasitol. i Invaz. Bolezni Sel'skokhoz. Zhivot. (Abuladze), 130-139
veterinary acarology

Accidental parasites. See Parasites, Accidental.

Adaptation. [See also Ecology; Evolution; Genetics; Host-parasite Relationships]

Adaptation
Schistosoma mansoni, miracidial chetotaxic index, changes during adaptation of human strain to white mice, use in determining human vs. murine character of natural infections in Guadeloupe, possibility of murine strains infecting humans

Adaptation
Augustine, P. C.; and Chute, A. M., 1978, J. Parasitol., v. 64 (3), 425
Histomonas meleagridis, in vitro-adapted strain, inhibition of growth in conventional or gnotobiotic turkeys inoculated with 5 spp. of bacteria used for in vitro cultivation, supports hypothesis that in vitro culturing decreased in vivo reproductive capability by gradual elimination of more virulent organisms

Adaptation
Hoploposyllus pectinatus sp. nov., Cediposylla tepolita sp. nov., adaptation to host (a Paleolaginae rabbit), striking examples of slow evolution of parasites of "living fossil"; similarity with Nesolagus callosus, a species of flea parasitic on Nesolagus (an Old World Paleolaginae rabbit), belonging to the Archaeopsyllinae rather than the Spiloglossinae

Adaptation
Belozerov, V. N., 1973, Parazitologiya, Leningrad, v. 7 (1), 14-18
Dermacentor silvarum, capability of adult females to engorge depends on temperature and photoperiod at prefeeding stage, thus certain conditions may give rise to a form of diapause as a seasonal adaptation

Adaptation
Bethel, W. M.; and Holmes, J. C., 1977, Canad. J. Zool., v. 55 (3), 110-113 in larval acanthocephalans induce behavioral alterations in infected amphipods which render them more vulnerable to predation by definitive hosts

Adaptation
Bonner, T. P., 1979, J. Parasitol., v. 65 (5), 745-750
Nippostrongylus brasiliensis, changes in structure of intestinal cells during development from free-living to parasitic stages

Adaptation
host-parasite coevolution, context and extent, phenomena of co-accommodation and co-speciation
Adaptation
Chabaud, A. G.; et al., 1978, Malayan Nature J., v. 31 (3), 189-195
Nematoda of Tragulidae, evolutionary origins and adaptations to hosts in relation to host evolution

Adaptation
Evolution of parasitism, concepts, historical review

Adaptation
Cooper, C. L.; Crites, J. L.; and Sprinkle-Fastkie, D. J., 1978, J. Parasitol., v. 64 (1), 102-107
Eustrongylides tubifex, third and fourth stage larvae, prevalence and intensity in various age/size classes of fish hosts with possible factors responsible for results, site selection, emergence behavior in relation to temperature as possible adaptation to facilitate rapid infection of definitive warm-blooded host upon ingestion of infected fish

Adaptation
6 insect trypanosomatids, attempted adaptation to mice, alteration of component elements of excreted factors (EF) produced by the 5 adapted species, EF components of Leishmania donovani isolates differ with varying infectivity for hamsters

Adaptation
Damian, R. T., 1979, Host-Parasite Interfaces, 103-126
Molecular mimicry in biological adaptation, host-parasite and other biological relationships, review

Adaptation
Dubovskaiia, A. Ια., 1973, Parazitologiia, Leningrad, v. 7 (2), 154-159
Cestodes from different classes of vertebrate hosts, proteolytic activity, enzymatic activity of parasite is adapted to intensity of host's metabolism

Adaptation
Gagarin, V. G., 1979, Ekologiia, Sverdlovsk (1), 69-75
Nematodes, 4 ecological groups (hydrobiont, saprobiont, phytohelminth, zoohelminth), typical morphophysiological traits

Adaptation
Healy, J. A., 1979, Genetica, v. 50 (1), 19-30
Ixodes ricinus, polymorphism at α-glycerophosphate dehydrogenase locus detected by electrophoresis, allele and genotype frequency patterns in natural tick populations, physiological and behavioral correlates of alternate genotypes (susceptibility to desiccation, locomotory efficiency), sex and locality differences, results provide evidence that polymorphism serves adaptive function and suggest factors that may be involved in selective maintenance of variability in natural populations: Ireland

Adaptation
Healy, J. A., 1979, Parasitology, v. 78 (1), 7-17
Ixodes ricinus, samples from several Irish localities and from spring and autumn ticks collected in one area, detection by electrophoresis of very high allelic variation at locus coding for phosphoglucomutase, allele frequency patterns, both spatial and temporal genetic differentiation exist, possible use of this polymorphism in population and taxonomic studies, possible adaptive significance of polymorphism in autecology of parasite

Adaptation
Khotenovskii, I. A., 1972, Parazitologiia, Leningrad, v. 6 (1), 79-82
Pleurorhengidae, Lechiadendrildae, Plagiorchidae, parasites of bats, morphology, localization in host intestine, and mode of feeding briefly discussed as examples of adaptive evolution of the parasites

Adaptation
Fasciola hepatica, rats immunized with Galba truncatula or Lymnaea tomentosa antigens, subsequently infected with metacercariae from same or different snail species, intensity of infection, liver ataxo-morphological changes, parasite adaptation to snails discussed

Adaptation
Protostrongylus spp. in sheep (exper.), changes in blood cells and proteins and protein fractions during course of infection as indication of host-parasite interrelationships and adaptations

Adaptation
Kutzman, R. S.; and Roberts, J. F., 1978, Comp. Biochem. and Physiol., v. 61C (1), 141-145
Crithidia fasciculata, adaptation to growth in presence of carbonyl cyanide m-chlorophenylhydrazone is apparently a physiological and not a genetic phenomenon, retention of this adaptive ability reported only in free-living protozoa is of interest from evolutionary standpoint and when considering drug resistance to parasitic protozoa

Adaptation
Leucocochloridium variare, L. cyanocitiae, Neoleucocochloridium problematicum, adaptations for transmission from molluscan to avian hosts: avoidance of desiccation, transit through avian host, transfer to avian host by mimicry

Adaptation
Michajlow, W. K., 1972, Parazitologiia, Leningrad, v. 6 (1), 3-7
Euglenoidina of Copepoda, stages of adaptation to parasitism
Adaptation
digenetic trematodes, comparative quantitative studies of acetylcholinesterase in seven species, higher quantities in species inhabiting gastrointestinal tract than in those parasitizing liver or swimbladder, apparently a biochemical adaptation to counteract peristalsis

Adaptation
Panin, V. Ia., 1974, Parazitologiya, Leningrad, v. 8 (3), 93-97
Dicrocoeliidae, cenogenetic adaptations and their role in evolution

Adaptation
Paraense, W. L.; and Correa, L. R., 1978, J. Parasitol., v. 64 (5), 822-826
Schistosoma mansoni, differential susceptibility of Biomphalaria tenagophila (exper. from 20 localities to infection with single strain of schistosome, results seem to indicate that process of adaptation between S. mansoni and B. tenagophila is evolving, possible expansion of schistosomiasis to wide South American area where B. tenagophila occurs

Adaptation
Randolph, S. E., 1979, Parasitology, v. 79 (1), 141-156
Ixodes trianguliceps, manifestations of acquired resistance in successive infestations of unnatural host (laboratory mice) but not of natural host (Apodemus sylvaticus), relevance to concept of host-parasite co-evolution and to tick population regulation

Adaptation
Ixodes neitzi, attraction of adult ticks to twigs marked by Oreotragus oreotragus (klip springer antelope), first report of tick species locating its mammalian host by detecting specific chemical compound(s) used by host as communicative marking signal thus increasing probability of survival in that particular habitat

Adaptation
Shishova-Kasatochkina, O. A.; and Leutskaia, Z. K., 1979, (Biochemical aspects of the interrelationships of helminths and their hosts. Metabolism of proteins, vitamins, and steroids in the process of parasitization), 279 pp., illus.

Adaptation
Ascaris suum, Ascariidae galli, Contracaeum aduncum, urease activity and ureogenesis in relation to class of host, analogy between some specific metabolic processes of the host and its parasite

Adaptation
Strazhnik, L. V.; and Davydov, O. N., 1975, Parazitologiya, Leningrad, v. 9 (1), 37-46
3 spp. of fish cestodes, glycogen content of parasites and host tissues, seasonal changes in glycogen content of parasites; effect of experimental exposure to various temperatures on parasite glycogen content, motor activity, and duration of life; effect of starvation on glycogen content of parasite and host in aquariums at various temperatures

Adaptation
Cuterebra fontinella on Peromyscus leucopus meleagris, mean infestation rate, host age, reduced size of reproductive organs in infected subadult males, no effect on adult male and female reproductive organs, parasite-host relationships are stable and parasite and host have evolved coadaptations and a tolerance for each other

Adaptation
Trypanosoma cruzi, Venezuelan strain vs. Brazilian strain, factors influencing adaptation, development, and multiplication in local race of Rhodnius prolixus vectors (laboratory strain originally from state of Guarico, Venezuela)

Adhesion. See Attachment.


Afghanistan

Afghanistan
Buck, A. A.; et al., 1978, Tropenmed. u. Parasi tol., v. 29 (1), 61-70 human poly-parasitism, epidemiological and ecological features, occurrence, frequency, and distribution of multiple infections in rural communities, age and sex patterns: Chad; Peru; Afghanistan; Zaire (Plasmodium falciparum; P. malariae; P. vivax; Toxoplasma gondii; Fasciolidae; Echinococcus granulosus; Ascaris lumbricoides; Taenia saginata; Hymenolepis nana; Entamoeba histolytica)

Agar diffusion; Agar gel diffusion. See Immunity, Precipitation.

Age. [See also Longevity; Survival and viability]

Age of host

Age of host
Age of host
human pulmonary echinococcosis, surgical management of 450 cases, cyst localization, age and sex distribution of patients, surgical complications, criteria for surgical methods employed

Age of host
Echinorhynchus salmonis in fishes, seasonal distribution and development, sex ratio, distribution in host intestine, host age and sex, pathogenicity: southwestern Lake Michigan

Age of host
Taenia crassiceps, rats, differences in susceptibility to infection and development of immunocompetence in relation to host strain and age

Age of host
Anderson, R. M.; and May, R. M., 1979, Parasitology, v. 79 (1), 63-94
Schistosoma spp. infections within snail populations, prevalence, spatial and temporal heterogeneity, duration of larval development and its dependence on temperature, mortality rates of infected and uninfected hosts; comparison of observed patterns with model predictions; new age-prevalence model, predictions compared with observed patterns; implications for overall transmission dynamics

Age of host
Appleton, G. L.; Arlian, L. G.; and Boise, P. C., 1979, Ohio J. Sci., v. 79 (3), 136-138
Dirofilaria immitis, dogs, prevalence with respect to several factors (source, breed, age, sex, etc.): Dayton, Ohio area

Age of host
Thelezia skrjabini, T. gulosa, cattle (eyes), seasonal prevalence, increase during late June, July, and August, 1976, more common in cattle 21-39 months old than in those under 21 months: Surrey abattoir, England

Age of host
Armstrong, A.; and Armstrong, J. L., 1974, Proc. National Shellfish Ass., v. 64, 68-72
Haplosporidium in Tresus capax, incidence of infection observed by the presence of cysts in host tissue, age of host, pathology: Yaquina Bay, Oregon

Age of host
Paragonimiasis, humans, incidence survey (1972-1976) by age and sex: Ecuador

Age of host
blood parasites, livestock, incidence in relation to host sex and age and to husbandry and management practices: Accra Plains, Ghana

Age of host
Atangana, S.; et al., 1979, Med. Trop., v. 39 (5), 537-543
Onchocerciasis, malaria, humans, epidemiological and vector survey; no evidence of schistosomiasis but potential vectors are present; little evidence of Toxoplasma gondii: lac de retenue de Bamendjin, Cameroon

Age of host
Haemoproteus, Plasmodium, and hippoboscid ectoparasites of Zenaida auriculata caucae, infection patterns and dove population dynamics, seasonal prevalence: Cauca Piver valley, Colombia

Age of host
Plasmodium vivax, human, determination of antibody titres using indirect haemagglutination test, relationship to host age

Age of host
Anoplocephala perfoliata, survey of prevalence in horses, seasonal occurrence, no significant differences between ages or sexes of host: abattoir, South Auckland

Age of host
Oswaldocruzia pipiens, development and transmission in amphibians, prevalence and intensity in different months and in different host size classes: near Guelph, Ontario

Age of host
Maritrema misenensis, ecological conditions required for life cycle, different intermediate hosts utilized in lagoon vs. marine habitat, method of infestation of second intermediate host, variation in parasitism of second intermediate host in relation to season and age and sex of host: region de Brusc, Provence, France

Age of host
Trypanosoma cruzi, rural people, serological prevalence survey by complement fixation: South Region of Rio Grande do Sul State, Brazil

Age of host
nematodes, trematodes, cattle, age and seasonal dynamics on specialized farms: Belorussia
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Age of host
Echinococcus granulosus, strain endemic to Australia and New Zealand, theory that latent period between infection and diagnosis is only a few years rather than that most cysts diagnosed in adults resulted from infection in childhood as had been previously thought

Age of host
Beck, J. T., 1979, Parasitology, v. 79 (3), 431-449
Protopyurus pandalica-infected Palaemonetes paludosus, distribution, infection levels by site and season and by host sex and size, parasite burden, regulation of host-parasite (parasitic castrator) interactions: Florida

Age of host
Omphocerca lienalis, cattle (gastro-splenic ligament), prevalence, age and sex of host: north Queensland

Age of host
Toxoplasma gondii, 1-8, and 10-day-old piglets (exper.), serological findings, tissue cysts, reactive changes in lymphoid tissue, incidence and severity of inflammatory lesions, organs affected; T. gondii more virulent in younger piglets due to delayed maturation of host lymphoid system during first week of life

Age of host
Anisakis simplex in Salmo salar, sites of infection, prevalence, variation in mean numbers of larvae per fish in relation to host's sex, age, geographic locality, and year and season of capture; mean numbers as biological indicator of host stock composition: 14 sampling stations, North Atlantic

Age of host
Helminths of sheep, survey, comparison of infection in young and old age classes: Bialystok Palatinate, Poland

Age of host
gastrointestinal nematodes, Strongylodes papillosus, Dictyocaulus filaria, Moniezia sp., seasonal dynamics in different age classes of sheep in relation to nilverm treatment

Age of host
coproscopic examination of sheep, extensiveness of helminth infection in different host age groups and in different seasons of year, results compared with previously published post-mortem examinations of sheep in same area: Carpathian Mountains

Age of host
Bezubik, B.; Stankiewicz, M.; and Simski, E., 1974, Acta Parasitol. Polon., v. 22 (35-44), 441-446
Helminths, sheep, coproscopic examinations, comparison with earlier post-mortem studies, host age and sex: Olecko and Kumielsk, Poland

Age of host
Bion, B. L.; et al., 1979, Japan. J. Exp. Med., v. 49 (2), 107-115
Schistosoma japonicum, school children, annual incidence and prevalence measured from records of routine examinations at various schools, host age: Bagami Area, Leyte, Philippines

Age of host
Babesia divergens, cattle, data for host age and antibody incidence and titre analyzed using 3 epidemiological models to estimate rates of gain and loss of antibody: Scotland

Age of host
dictyocaulosis, cattle, infection in relation to age of calves and time of year on pasture

Age of host
Sarcocystis suihominis, S. suicanis, occurrence in slaughter pigs of different ages; trypsin digestive method more reliable diagnosis than trichinoscopy, species differentiation: slaughterhouses in South Germany

Age of host
Bohnen, A. D., 1978, Canad. J. Zool., v. 56 (11), 2460-2462
Parasites of Homarus americanus, prevalence in different host size classes: Northumberland Strait, southern Gulf of St. Lawrence

Age of host
Ornithomyia avicularia on birds, host size, age, habitat, and colonial vs. solitary habit, seasonal dynamics; possible role in circulation of virus of tick-borne encephalitis: Middle Povolzh'e

Age of host
copepods of Menidia spp., incidence, host-parasite interactions with emphasis on effect of host size, season, habitat, inter- and intraspecific parasite competition on host

Age of host
Schistosoma haematobium, humans, incidence, host age and sex, hematuria: Kaduna, northern Nigeria
Age of host
Plasmodium falciparum, prevalence and density in pregnant women (by age/parity), recently pregnant women and infants, malarial antibody levels in cord blood, seasonal variations: The Gambia

Age of host
Toxoplasma gondii, serological survey of pregnant women by racial and age groups; results in relation to epidemiology, complications, diagnosis and treatment: 'Bloemfontein' area

Age of host
copepods of Merlangius merlangus and Platichthys flesus, seasonal changes in levels of infestation related to annual migrations of young fish into estuary, localization, age of host: Medway Estuary, Kent

Age of host
van den Broek, W. L. F., 1979, J. Fish Biol., v. 14 (4), 395-402
Cryptocotyle lingua, incidence and intensity of infection, seasonal levels of infection prove useful indicators to migratory movements of individual fish populations, localization, host age: Medway Estuary, Kent

Age of host
Buchwalder, R.; Hiepe, T.; and Israel, L., 1977, Monatsh. Vet., v. 29 (2), 137-144
Ascaridia galli, chickens (exper.), age and breed resistance

Age of host
Buck, A. A.; et al., 1978, Tropenmed. u. Parasitol., v. 29 (1), 61-70
human poly-parasitism, epidemiological and ecological features, occurrence, frequency, and distribution of multiple infections in rural communities, age and sex patterns: Chad; Peru; Afghanistan; Zaire

Age of host
Buck, A. A.; et al., 1978, Tropenmed. u. Parasitol., v. 29 (2), 137-144
human poly-parasitism, types of combinations, relative frequency, and associations of multiple infections, age and sex patterns: Chad; Peru; Zaire

Age of host
Buck, A. A.; Anderson, R. I.; and MacRae, A. A., 1978, Tropenmed. u. Parasitol., v. 29 (3), 253-268
polyparasitism, humans, epidemiology, assessment of combined effects of multiple infections on an individual's state of health, comparative analysis of field data obtained from several tropical villages

Age of host
Leishmaniasis, human visceral, longitudinal study in northern areas of Pakistan

Age of host
neonatal Sarcoptes scabiei, 5 case reports, distinctive clinical pattern, crotamiton treatment: William Beaumont Army Medical Center, El Paso, Texas

Age of host
Tylodelphys clavata and Diplostomum sphaerum in roach, rudd, and roach/rudd hybrids, population biology, seasonal changes in incidence, intensity of infection, and frequency distribution, relationship of infection to fish size (age)

Age of host
sleeping sickness in children, epidemiologic data, age distribution, various therapeutic regimens, usefulness of antimalarial therapy administered simultaneously: Tooska, Zambia

Age of host
Bywater, J. E.; and Kellett, B. S., 1978, Infect. and Immun., v. 21 (2), 360-364
Encephalitozoon cuniculi, existence in specific-pathogen-free rabbit colony, small-sized samples failed to reveal presence of infection with low prevalence, organism probably present in original stock of unit, possibility of establishing Encephalitozoon-free colony by culling all positive reactors using india ink immunoreaction test, incidence (familial, sexual, and age-related) and possible routes of transmission

Age of host
Fasciola hepatica, rats, functional role for gut in development of age resistance demonstrated by comparing number and development of flukes recovered following oral vs. intraperitoneal administration of encysted metacercariae

Age of host
Canese, A.; et al., 1975, Rev. Paraguaya Microbiol., v. 10 (1), 55-66
human intestinal parasites, statistics of extensive epidemiologic survey comparing age and sex of hosts, and socioeconomic levels in 4 geographic areas of Paraguay

Age of host
digenean trematodes in Cerithium moniliferum, incidence in relation to distribution, abundance, growth, and reproduction of small population, no seasonal pattern of parasitism: Heron Island, Great Barrier Reef
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Age of host

gastrointestinal nematodes, calves of various ages born during rainy season: State of Goias

Age of host
Carnevale, P.; et al., 1978, Bull. World Health Organ., v. 56 (1), 147-154

Anopheles gambiae, aggressiveness in relation to age and sex of human subjects, implications for malaria epidemiology

Age of host

Entamoeba histolytica, Toxoplasma gondii, humans, serological survey using indirect hemagglutination test, prevalence of antibody titers by host age, sex, and village (altitude): Malili area, South Sulawesi, Indonesia

Age of host

Trypanosoma cruzi, humans, no association found between infant prematurity and maternal Chagas infection

Age of host

Fasciola gigantica, cattle, influence of breed and age on prevalence, abattoir survey: Kenya

Age of host

Trypanosoma brucei, age, infection rate increases during winter: Lake Vrevo, Leningradsk oblast

Age of host
Chernysheva, N. B., 1973, Parazitologiya, Leningrad, v. 7 (6), 485-488

Sphaerospora cristata, plasmodia and spores found in Lota lota (kidneys), life cycle, host age, infection rate increases during winter: Lake Vrevo, Leningradsk oblast

Age of host

Toxoplasma gondii in Bos indicus, serological survey, age and sex prevalence: Chandigarh, north India

Age of host

Toxoplasma gondii, dogs, prevalence survey, higher antibody titers in older dogs and those with concomitant disease: Chandigarh, territory, North India

Age of host

Trichomonas foetus, prevalence in replacement bulls 4 years after introduction to infected herd, observations suggest routine culling of bulls at 4 years of age to minimize transmission: north-western Queensland

Age of host

Parascaris equorum, development of immunity in foals infected at 2-4 weeks old vs. 6-12 months old reared worm-free vs. reared naturally

Age of host
Cloutman, D. G., 1978, J. Parasitol., v. 64 (1), 170-172

Cleidodiscus pricei on Ictalurus platyecephalus (gills), significant difference in intensity among different host age groups but not between males and females, seasonal abundance, possible role of immunity: Lake Norman, North Carolina

Age of host

Echinococcus granulosus, mice and Meriones unguiculatus, effect of egg dose, host age, and host sex on susceptibility to primary infection, increased resistance with increased age but no differences with sex

Age of host
Collins, W. E.; and Skinner, J. C., 1979, J. Parasitol., v. 65 (5), 803-807

Onchocerca volvulus, formalin-fixed sections of adult worms in nodules used as antigen in fluorescent antibody test, sera from endemic and nonendemic areas, different patient age groups: Ghana; Upper Volta

Age of host

Capillaria hepatica in Rattus norvegicus, infection rate, host age and sex, seasonal variation, possible public health implications: Hartford, Connecticut
Age of host

Cooper, C. L.; Crites, J. L.; and Sprinkle-Fastkie, D. J., 1978, J. Parasitol., v. 64 (1), 102-107

Eustrongylides tubifex, third and fourth stage larvae, prevalence and intensity in various age/size classes of fish hosts with possible factors responsible for results, site selection, emergence behavior in relation to temperature as possible adaptation to facilitate rapid infection of definitive warm-blooded host upon ingestion of infected fish

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Cornille Broegger, R.; et al., 1978, Bull. World Health Organ., v. 56 (4), 579-600

Plasmodium falciparum, P. malariae, changing patterns in humoral immune response before, during, and after application of control measures: Nigeria

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malaria in normal subjects and those with sickle cell trait, determination of plasma immunoglobulins and antimalarial antibodies, findings suggest that during infancy early phagocytosis of parasitized cells led to enhanced processing of antigen and hence earlier immune response to sickle cell trait

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Anaplasma marginale, Babesia bigemina, age at which calves in endemic area first become infected, packed cell volumes and clinical symptoms, wild clinical response and rapid recovery indicate that protection of native calves through immunization or other procedures prior to natural exposure would be of questionable value: north coast area of Colombia

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Entamoeba histolytica, comparative epidemiological survey, rural vs. urban areas, highest prevalence directly related to lowest sanitary conditions, clinical manifestations, associated parasitism: Brazil

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Ascaridia galli, 100 day old roosters, spontaneous dehelminthization after 13 days indicates augmented resistance; ascorbic acid diminished in adrenal gland on thirteenth day but normal in liver and blood serum; older chickens have lesser blood changes

Age of host

Currier, R. W.; et al., 1979, Proc. Iowa Acad. Sc., v. 86 (2), 41-43

Pediculus humanus capitis, outbreak in school children, epidemiology, control: Ames, Iowa

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Czaplinski, B., 1975, Acta Parasitol. Polon., v. 23 (26-40), 305-327

Hymenolepididae of wild Cygnus olor, extensive drawings of each stage, association with age and sex of host, seasonal variation, distribution within digestive tract: Poland

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Hypoderma lineatum and H. bovis in cattle, frequency and degree of infestation, age of host, characteristics of farms, location in host, seasonal variation, recommended period for curative and for preventive treatments: Sidi-Slimane (Morocco)

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Schistosoma haematobium, water contact patterns of people according to age, sex, and type of activity, multiple regression analysis: Faten, Lake Volta, Ghana

Age of host

Dario, J. G.; Catmaitan, O. M.; and Aglibut, F. B., 1975, Philippine Agric., v. 59 (3-6), 127-136

Cooperia sp., Trichostrongylus sp., Bunostomum sp., Haemonchus sp., backyard cattle, seasonal distribution, incidence greatly influenced by rainfall, soil type, and age of host, epidemiology: Batangas province, Philippines

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helminths of Somateria fischeri (intestinal tracts), survey by host age and sex, seasonal fluctuations in parasite numbers: Yukon-Kuskokwim Delta, Alaska

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Bothriocephalus gowkongensis in cyprinid fishes, growth, development, and fertility in relation to temperature, host age and diet, and intensity of invasion

Age of host

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Naegleria fowleri, virulence for mice of isolates from environment, effect of axenic cultivation, brain passage, and passages in vero cell cultures, mouse strain and age differences

Age of host

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Brugia pahangi in female Meriones unguiculatus, effects of host age at inoculation on prepatent periods, microfilaremias, and worm burdens, results demonstrate increased susceptibility with age

Age of host

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lungworms, sheep and goats (foces of both), sex and age prevalence: Tehsil Kargil, District Ladakh (Jammu and Kashmir)

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Dubey, J. P., [1979], J. Parasitol., v. 64 (6), 1978, 1021-1023
Toxocara canis, ascarid-naive pups vs. adult dogs fed graded doses of eggs to examine age-related resistance; results indicate resistance to patent intestinal infection is in part related to dose of eggs

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Dubey, J. P.; and Frenkel, J. K., 1974, Vet. Path., v. 11 (4), 350-359
Toxoplasma gondii, cats (exp.), immunity, effects of host age and corticosteroid administration; excretion of T. gondii, Isospora felis, and I. rivolta oocysts from cats previously infected and challenged with all three coccidia

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Schistosoma mansoni, S. haematobium, humans, delayed skin test reactions to S. mansoni antigen were increased with host age and severity of infections and were more frequent in males, correlations with immediate skin test reactions

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Engelbrecht, H., 1975, Ang. Parasitol., v. 16 (4), 214-218
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Hydatidosis, statistical survey of hospital cases, 1970-1975, morbidity and mortality rates, epidemiological data: province of Valdivia, Chile
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Epistylis-Aeromonas complex, centrarchid fish, incidence, spatial distribution of lesions, host size class (age), body condition, seasonal periodicity, influence of thermal effluent on disease: Par Pond reservoir, Savannah River Plant near Aiken, South Carolina

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Eveleigh, E. S.; and Threlfall, W., 1976, Canad. J. Zool., v. 54 (10), 1694-1711
Mallophaga on Alcidae, prevalence and intensity, seasonal and annual data, burdens of adult hosts vs. chicks, distribution on host, louse population structure: Newfoundland

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Brugia malayi, infection of cats with sub-periodic Brugia showed that immature cats were more susceptible to infections but that cats of all ages could be infected, there was no demonstrable difference in susceptibility between male and female cats

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Onchocerca volvulus, human focus, follow-up report of 1965 investigation, response to Mazzotti test given to limited numbers of persons living upstream from original focus suggests that infection may be widespread: Colombia

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Farag, H. F.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (9-10), 188-190
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Franson, J. C.; et al., 1978, J. Parasitol., v. 64 (2), 304-305
Gastrointestinal parasitism in coyotes, relationship of host age and sex to prevalence of infection and parasite load: Iowa

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Fujiiwara, M.; and Kishimoto, S., 1979, J. Immunol., v. 122 (1), 263-268
aged (vs. young adult) mice exhibit depressed IgE, IgG, and IgM antibody response to DNP-Ascaris and depressed avidity of IgE antibody for DNP determinant

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Toxoplasma gondii, mice, effect of host age on lymphocyte responsiveness and macrophage activation during acute and chronic infection, results suggest that increased 'antigenic load' in older mice with chronic infection may result in enhanced cell-mediated immunity but at extreme of old age there is major decline in inductive mechanism which overrides this stimulation

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Genov, G.; et al., 1975, Ang. Parasitol., v. 16 (4), 202-207
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Ghorbani, M.; Edrissian, v.73 (3), 254-258
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Gingrich, R. E., 1979, J. Parasitol., v. 65 (2), 288-292
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Gregg, P.; et al., 1978, Vet. Parasitol., v. 4 (1), 35-48
Trichostongylus colubriformis, response to vaccination of lambs aged 3 months compared to sheep aged 10 months, cause of relative unresponsiveness of lambs not known

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Greiner, E. C.; and Mundy, P. J., 1979, J. Parasitol., v. 65 (1), 147-153
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Age of host
Haggerty, R. M.; and John, D. T., 1978, Infect. and Imm., v. 20 (1), 73-77
Naegleria fowleri in mice, infecting dose and age, sex, and strain of host are important variables that markedly affect innate resistance to infection

Age of host
Han, T. W., 1978, Research Rep., Office Rural Develop., Min. Agric. and Fish, Korea, v. 20, 53-88
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Heath, A. C. G., 1979, N. Zealand J. Zool., v. 6 (1), 141-144
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Hendrix, S. S.; et al., 1979, Vet. Parasitol., v. 5 (1), 51-55
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Hendrix, S. S., 1978, J. Parasitol., v. 64 (4), 606-612
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Trypanosoma cruzi, rural population, age-specific prevalence rates of parasitemia (detected by blood cultures and xenodiagnosis) vs. seroreactivity (measured by complement fixation and indirect immunofluorescence tests): northeast Brazil

Age of host
Holbrook, T. W.; and Parker, R. W., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 984-987
Naegleria fowleri incubated on chick embryos, effects of embryo age and temperature on maintenance, infectivity maintained after 25 serial passages

Age of host
Indermuehle, N. A., 1978, Schweiz. Arch. Tierh., v. 120 (10), 513-525
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Jilek, R., 1978, J. Parasitol., v. 64 (5), 951-952
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Jordan, P.; et al., 1978, Bull. World Health Organ., v. 56 (6), 965-973
Schistosoma mansoni, humans, results of control program that provided piped water supply to households vs. use of public standpipe system, 2-year follow-up: St Lucia

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Haematopinus autumnalis, prevalence by village, age, and sex: Malili area, South Sulawesi (Celebes) Province, Indonesia

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Kadulski, S., 1975, Acta Parasitol. Polon., v. 23 (41-51), 493-535
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Schistosoma mansoni, children and adults living in endemic areas, influence of age and worm burden on re-infection after specific therapy: State of Minas Gerais, Brazil

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Kaya, H. K.; and Moon, R. G., 1978, J. Nematol., v. 10 (4), 335-341
Heterotylenchus autumnalis in Musca autumnalis, occurrence, within-pasture distribution of nematode and its host, frequency of nematodes within male and female hosts, effects of nematode on host (sterility, differential feeding behavior of infected and uninfected females of different age classes), seasonal population dynamics of nematode and host: northern California

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E[imeria spp.], calves, heifers, and cows, age and seasonal dynamics: Loveshk ohrug
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Konjevic, P., 1979, Acta Parasitol. Yugoslav., v. 9 (2), 97-103
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Plasmodium falciparum, risk of contracting malaria as derived from entomological data, comparison with parasitologically-estimated infection rates and seasonal distribution in children vs. adults: Gambela, western Ethiopia

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Kritsky, D. C.; and Leiby, P. D., 1978, J. Parasitol., v. 64 (4), 625-634
Echinococcus multilocularis, factors influencing prevalence in Vulpes vulpes from 1965-1972: effects of collection interval (sampling year), climatic season, age and sex of host, geographic region, interactions between these variables, and definitive host prevalence and density: North Dakota

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Orientobilharzia turkestanicum, susceptibility of various aquatic snails to infection, determination of pre-patent period in natural vector, and observation of age-resistance of snails to infection: Kashmir (suburb of Srinagar)

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Babesia bigemina, cattle of 2 different age groups (exper.), clinical manifestations, parasitemia, indirect fluorescent antibody titer

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Lawrence, D. N.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 901-906
Mansonella ozzardi, Amerindian populations, age group- and village-specific prevalence, diagnosis by peripheral blood lymphocyte cultures compared with Giemsa-stained peripheral blood smears: states of Amazonas and Acre, Brazil

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Eimeria spp., chickens, incidence of clinical coccidiosis by month of year and age of host in the Ontario Veterinary Services Branch records 1973-1977, possible use of data to synchronize drug rotation with change in incidence

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Lehnert, T.; and Shimanuki, H., 1979, Apidologie, v. 10 (1), 17-22
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Helminth fauna of Larus argentatus, intensity and extensity, host age and seasonal dynamics: Black Sea preserve, Kherson oblast

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Letch, C. A.; and Ball, S. J., 1979, Parasitology, v. 79 (1), 119-124
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Schistosoma japonicum, humans, assay of lymphocyte blast transformation by whole blood culture technique under field laboratory conditions, measurement of response to phytohemagglutinin and to worm and egg antigens in relation to host age, sex, and level of egg excretion

Age of host
Lewert, R. M.; Yogore, M. G.; jr.; and Blas, B. L., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 1010-1025
Schistosoma japonicum, human, prevalence and intensity, morbidity (hepato- and/or splenomegaly, height and weight, symptomatology), host age and sex: Barrio San Antonio, Basey, Samar, The Philippines

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Skrijbingylus nasicola in Mustela nivalis (nasal sinuses), correlation of intensity of infestation with severity of skull damage and with host age and sex, host factors influencing worm size and sex ratios, crowding effect in heavy infestations: Berkshire, Northumberland, and Sussex

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Moniezia expansa, goats, seasonal incidence, age of host, biology of oribatid mite vectors, control measures: Sieng-Yu district, coastal Fukien

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Loker, E. S., 1978, Exper. Parasitol., v. 45 (1), 65-73
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Long, P. L.; and Millard, B. J., 1979, Avian Path., v. 8 (3), 213-228
Eimeria spp., young chickens kept in litter pens, immunization response to challenge with homologous and heterologous strains, effect of host age and of immunizing dose, timing of onset of immunity, longevity of immunity

Age of host
McDougald, L. R.; and McQuistion, T. E., 1978, Avian Dis., v. 22 (4), 765-770
Eimeria spp., turkeys, coccidiosis management, innate (age) resistance and acquired immunity vs. anticoccidial medication

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Haemophysalis leporispalustris infestations of juvenile and adult Sylvilagus floridanus from January 1974-December 1975 in Douglas County, Kansas, relationship to skin-sensitizing antibody production, models used to interpret data show promise for predicting tick population fluctuations and incidence of vector borne disease outbreaks, implications of existence of resistance to tick attachment

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Cuterebridae [sp.] in Tamias striatus, incidence by sex-age classes, effects of parasitism: Wayne County, northeastern Pennsylvania

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Mahon, R., 1976, Canad. J. Zool., v. 54 (12), 2227-2229
Ligula intestinalis-infected Notropis hudsonius, parasitism results in sterilization, poor condition, and small size, infected fish mainly over 1 year of age: south shore of Long Point, Lake Erie

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Toxocara canis, T. cati, Toxascaris leonina, and other parasites, prevalence in dogs or cats, percentages by sex and age, survey initiated because of cases of human visceral larva migrans, public health implications: Halifax, Nova Scotia

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Manas Almendros, I.; et al., 1978, Rev. Iber. Parasitol., v. 38 (3-4), 751-773
Dicrocoelium dendriticum, frequency in cattle, according to host age and sex, seasonal distribution: Granada, Spain
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Markov, G. S.; et al., 1978, Ekologija, Sverdlovsk (2), 52-36

Dicyema interrupta-infected Abramis brama, weights of various organs, various age classes of fish, statistical analysis

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Necator americanus, Ancyllostoma duodenale, humans from periurban and rural populations, epidemiology, distribution: municipality of Londrina, Parana, Brazil

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Helminthes, coccidia, age and seasonal dynamics of infection rates of chickens

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Actornithophilus gracilis, Austromonopon aegilalitidis, Quadraeces junceus, lapwing nestlings, correlation between number of lice and host age, food preferences of both sexes of lice, overcrowding

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Michel, J. P.; Lancaster, M. B.; and Hong, C., 1979, Parasitology, v. 79 (1), 157-168

Ostertagia ostertagi, cattle, effect of age, previous experience of infection, pregnancy, and lactation on resistance to establishment of worms, rate at which populations are turned over, and arrested development

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Transversotrema patialense on Brachydanio rerio (exper.), host size (age) and parasite survival, (parasite) age- and density-dependent survival and reproduction, reinfection and transplantation experiments failed to provide evidence of host immunological responses

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Mills, A. J., 1978, N. Zealand Entom., v. 6 (4), 392-399

Mattesia sp. and Nosema takapauensis in Costelytra zealandica, incidence among larvae, seasonal distribution, growth and development of diseased larvae, mortality, transmission by soil: New Zealand

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Hypoderma spp., cattle, infestation in relation to host age and breed, geographical area, season, and method of breeding; rearing experiments: Mongolia

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Strongyloides westeri, ponies (exper.), foals and yearlings, comparisons of pre-patent periods, haemoglobin values, and beta-globulin levels

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Anaplasmosis, bovine, prevalence, complement fixation test, no difference in regard to age, sex or breed of host: San Miguel, El Salvador

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Molineaux, L.; et al., 1978, Bull. World Health Organ., v. 56 (4), 575-579

Plasmodium falciparum, P. malariae, serological study comparing infants exposed to or protected from malaria: Nigeria

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Trichomonas elongata, occurrence in oral cavity of healthy persons vs. those with oral cavity diseases, host age and sex, suitable media for cultivating trichomonads, activity in vitro of several medicinal substances, role of trichomonads in periodontitis confirmed by treatment of patients with trichopol

Age of host
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Eimeria tenella, E. mitis, chickens (exper.), changes in lecithin content of blood serum at different stages of infection, extent of biochemical changes depends on pathogenicity of different species and host age

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Musaev, M. A.; and Surkova, A. M., 1972, Parazitologiia, Leningrad, v. 6 (1), 11-15

Eimeria tenella-, E. mitis-infected chickens (exper.), changes in activity of alkaline and acid phosphatases of small intestine depend on species of coccidia, age of host, and stage of infection

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Plasmodium spp., human, prevalence by parasite species and by host age group, dramatic response to mass chemoprophylaxis with chloroquine: Gezira and Bor regions, Sudan

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Palmero, H. A.; Caeiro, T. F.; and Iosa, D. J., 1977, Rev. Argent. Cardiol., v. 45 (5), 415-427
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Peron, E.; and Mauri, M., 1977, Rev. Cubana Cien. Vet., v. 8 (2), 13-21
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parasitic (malaria, Schistosoma) and non-parasitic infections, Somali nomads, adverse effect of iron repletion on course of certain infections

Anemia
males of 3 ethnic groups and 3 age groups inhabiting same locality, haematological status (including anemia), spleen and liver enlargement, immunoglobulin status, malaria parasite rates, other parasite infections, possible associations between these and other factors (including nutrition, sickle cell trait, altered immune response to malaria): Northern Nigeria

Anemia
treatment of human iron deficiency with daily intramuscular ferarstral, includes anemia from hookworm and Schistosoma haematobium: Nigeria

Anemia, Arthropoda
Medinskii, H. E. T.; et al., 1977, Veterinariia, Moskva (9), 70-71
[Melophagus], sheep, blood changes (anemia, neutrophilia, lymphocytopenia)

Anemia, Arthropoda
host-ectoparasite interactions, review: hematologic and clinical manifestations of infestation, arthropod antigens and host antibodies raised against them, manifestations of antigen-antibody interaction, histopathologic reactions of skin to arthropod feeding and acquired resistance to arthropods, genetics of host resistance, economic effects of parasitism, speculation on nature of innate and acquired resistance

Anemia, Arthropoda
Romestand, B., 1979, Ann. Parasitol., v. 54 (4), 423-448
Cymothoidae of teleost fish, hematophagy, host immune response, biochemical, histological, haematological, and biometrical (growth) changes in infected hosts

Anemia, Arthropoda
Romestand, B.; and Trilles, J. P., 1977, Ztschr. Parasitenk., v. 52 (1), 91-95
Anilocra physodes, Meinertia oestroides, Emetha audouini, teleost fishes, blood values, anemia, hypertrophy and hypervascularization of spleen: Herault, France

Anemia, Cestoda
Cristoffanini, A.; et al., 1976, Rev. Med. Chile, v. 104 (12), 921-924
Diphyllobothrium latum, human, associated megaloblastic anemia, case report: Chile

Anemia, Cestoda
helminths, extensive hematologic study of infected children, iron deficiency anemia most frequently discovered pathologic condition

Anemia, Cestoda
Osorio, G.; et al., 1974, Rev. Med. Chile, v. 102 (9), 700-703
Diphyllobothrium latum, human, associated megaloblastic anemia, clinical case report: Chile

Anemia, Nematoda
Haemonchus contortus outbreak, Nigerian dwarf ewes and lambs, haematological observations before and after treatment with thiabendazole: Nigeria

Anemia, Nematoda
parasite-infected and non-infected adult male soldiers, prevalence of anemia, hookworm infection not major cause: Thailand

Anemia, Nematoda
Bloch, M., 1971, Sangre, Barcelona, v. 16 (1), 39-44
human unciniariasis, associated anemia, autopsy study, one of 5 leading causes of death in El Salvador

Anemia, Nematoda
Camacho Gamba, J.; and Arenas, J., 1972, Rev. Columb. Pediat. y Puercicult., v. 27 (1), 13-21
unciniariasis tropical anemia in children, extensive clinical review, diagnosis, etiology, therapy

Anemia, Nematoda
Trichuris trichiura, children with high prevalence of infection, study showed no association between infection and iron deficiency anemia although hemoglobin values tended to be slightly lower: Vieques Island, Puerto Rico

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Malviya, H. C.; et al., 1979, Indian Vet. J., v. 56 (8), 709-710
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Necator americanus, Ancylostoma duodenale, blood transfusions given as therapy for human hookworm anemia, correlations with pre- and post-therapy fecal egg counts

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Anemia, Nematoda
Pujman, V. F.; and Hanusova, D., 1970, J. Wildlife Dis., v. 6 (3), 165-166
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Anemia, Nematoda
Necator americanus, Ancylostoma duodenale, human hookworm anemia, comparative therapeutic study using tetrachlorethylene and iron singly and in combination, use of tetrachlorethylene alone was recommended for mass therapy with the additional use of iron when objective clinical signs of anemia were present: Koraput, Orissa State, India

Anemia, Nematoda
Soelberg Sørensen, M.; et al., 1973, Sritraj Hosp. Gaz., v. 25 (10), 1683-1690
hookworm, patients passing ova in feces, relationship to anemia: Thailand

Anemia, Nematoda
Tepmongkol, M.; et al., 1973, Sritraj Hosp. Gaz., v. 25 (10), 1683-1690
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Anemia, Nematoda
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Anemia, Protozoa
Boyer, J. M.; D'Antonio, L. E.; and Schiavone, W. A., 1979, Infect. and Immun., v. 25 (3), 805-809
Plasmodium berghei, isolation of lytic factor which induces hemolysis of erythrocytes of mice and hamsters, lipid composition, possible role in pathogenesis of malaria

Anemia, Protozoa
faciparum malaria, humans, prednisolone administered with quinine sulfate did not increase red cell survival

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Anemia, Protozoa
Dargie, J. D.; et al., 1979, Parasitology, v. 78 (3), 271-286
Trypanosoma congolense-infected Ndana and Zebu cattle, red cell kinetics, concluded that anemia and its underlying processes are broadly in line with number of parasites in blood and that superior resistance of Ndana cattle lies in ability to control parasitemia rather than capacity to mount more efficient erythropoietic response

Anemia, Protozoa
Dargie, J. D.; et al., 1979, Research Vet. Sc., v. 26 (2), 245-247
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Theileria annulata, calves (exper.), anemia produced by excessive removal of erythrocytes from circulation by phagocytes, involvement of auto-immune mechanism.

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Plasmodium berghei-infected mice (exper.), vitamin E deficiency moderates severity of infection since premature, oxidant-induced hemolysis of infected erythrocytes prevents orderly parasite maturation, restoration of susceptibility to malaria by vitamin E supplementation, observations provide basis for selective advantage of G-6-PD deficiency in areas of endemic malaria.

Anemia, Protozoa


Trypanosoma vivax, Zebu vs. Muturu cattle (exper.), differences in innate resistance, comparison of haematological, clinical, and serological responses.

Anemia, Protozoa

Facer, C. A.; Bray, R. S.; and Brown, J., 1979, Clin. and Exper. Immunol., v. 35 (1), 119-127

Plasmodium falciparum, Gambian children, direct Coombs antiglobulin reactions, incidence and class specificity, results indicate that sensitization of non-parasitized erythrocytes contributes to pathogenesis of anemia.

Anemia, Protozoa


Plasmodium falciparum, children, no evidence that any of several immunological factors investigated plays important role in pathogenesis of anemia.

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Trypanosoma conglobense, T. vivax, cattle, factors affecting blood sampling for parasitemia and anemia (diurnal variation; ear-vein vs. jugular-vein blood): The Gambia can can in maintaining host anemia.

Anemia, Protozoa


Plasmodium berghei, uninfected cells separated from infected mouse blood were cleared more rapidly than normal mouse erythrocytes after injection into normal mice.

Anemia, Protozoa

Kaaya, G. P.; et al., 1979, Tropenmed. u. Parasitol., v. 30 (2), 230-235

Trypanosoma vivax, T. congolense, serum from infected cattle inhibited bovine granulocyte/macrophage colony formation in methyl cellulose culture, degree of inhibition appeared related to degree of parasitemia; no inhibitors of erythropoiesis were observed.

Anemia, Protozoa


Trypanosoma conglobense, goats, clinicopathological aspects with particular reference to pathogenesis of anemia, changes in peripheral blood and in bone marrow described in detail.

Anemia, Protozoa

Khovanskikh, A. E.; Krylov, M. V.; and Ludinova, I. C., 1974, Parazitologija, Leningrad, v. 8 (2), 164-169

Eimeria tenella, chickens (exper.), absorption of iron in small intestine, concentration of iron in tissues and organs.

Anemia, Protozoa

Krieger-Huber, S., 1974, Tierarztl. Prax., v. 2 (2), 221-224

Haemobartonella felis, infectious anemia in cats, clinical aspects, diagnosis, treatment.

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Theileria annulata, cattle (exper.), haematological study, toxic lesion of bone marrow caused aplastic anemia.

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Haemobartonella felis, cat, infectious anemia, case report; review of diagnosis and treatment: Sweden.

Anemia, Protozoa

Mackenzie, P. K. I.; et al., 1978, Research Vet. Sc., v. 24 (1), 4-7

Trypanosoma conglobense, phagocytosis of erythrocytes and leucocytes in infected sheep is due to coating of blood cells with trypanosomal antigen, phagocytic activity is dependent on parasitemia and is significant in maintaining host anemia.

Anemia, Protozoa


Leucocytozoon simondi, Pekin ducklings, quantification of anemia, gametocytemia, and osmotic fragility of erythrocytes.

Anemia, Protozoa

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Haemobartonella sp., non-splenectomized dog (blood), case report, haemolytic anaemia, post-mortem examination: Kent, Great Britain.

Anemia, Protozoa


Theileria hirci, carrier sheep, parasite counts and haematological observations before and after splenectomy.
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Preston, J. M.; Weilde, R. T.; and Kovatch, R. M., 1979, Exper. Parasitol., v. 48 (1), 118-125

Trypanosoma congolense-infected calves, kinetics of anemia, important hemolytic component

Anemia, Protozoa

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erythrogram variations of normal vs. parasitized, mature vs. immature Perdix perdix and Phasianus colchicus colchicus, normalization of Syngamus trachealis-infected pheasant erythrocyte after addition of thiabendazole to feed

Anemia, Protozoa

Rickman, W. J.; and Cox, H. W., 1979, J. Parasitol., v. 65 (1), 65-73

Trypanosoma brucei rhodesiense-infected rats, syndrome characterized by anemia, splenomegaly, and glomerulonephritis, accompanied by presence of 3 autoantibodies and by presence of fixed complement and fibrinogen on trypanosomes and erythrocytes

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Plasmodium yoelii in immunologically competent mice and mice with defined immunological deficiencies, results indicate that splenomegaly, enhanced phagocytosis, and anemia are thymus-dependent responses to malaria infection

Anemia, Protozoa

Roth, R. L.; and Herman, R., 1979, Exper. Parasitol., v. 47 (2), 169-179

Plasmodium berghei, correlation of in vitro erythropagocytosis with dynamics of early-onset anemia and reticulocytosis in mice

Anemia, Protozoa


Trypanosoma vivax, zebu cattle (exper.), haematological changes, classification of anemia

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Anaplasma marginale in Bubalus bubalis (exper.), clinical course, haematological changes, effect of immunosuppressants

Anemia, Protozoa

Simpson, C. F.; Gaskin, J. M.; and Harvey, J. W., 1978, J. Parasitol., v. 64 (3), S04-S11

Haemobartonella felis-parasitized cat erythrocytes, ultrastructural characteristics of damage caused by parasitism, presence of crystalloid inclusions, implications for pathogenesis of anemia associated with this infection

Anemia, Protozoa


Leishman[ia] donovanii, human, erythrocytic enzymes inhibited, haematological changes, normalization following sodium antimony gluconate therapy

Anemia, Protozoa

Swift, B. L.; and Paumer, R. J., 1978, Theriogenology, v. 10 (5), 395-403

Anaplasma marginale, heifers in third trimester of gestation (exper.), fetus and dam arterial blood gases and pH measured, death of fetus following progressive parasitic anemia in dam is attributed to fetal anoxia

Anemia, Protozoa

Thoongsuwan, S.; and Cox, H. W., 1978, J. Parasitol., v. 64 (4), 669-673

Trypanosoma lewisi, ATC strain in Sprague-Dawley rats, anemia, splenomegaly, and glomerulonephritis accompanied by presence of cold-active hemagglutinin for trypsinized rat erythrocytes

Anemia, Protozoa

Thoongsuwan, S.; Cox, H. W.; and Patrick, R. A., 1979, J. Parasitol., v. 65 (6), 1050-1056

Trypanosoma lewisi, Babesia rodhaini, Plasmodium chabaudi, rats, acquired nonspecific resistance associated with recovery from various infectious anemias, association with immunoglobulin, temporal relationships with anemia and parasitemia

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Trypanosoma congolense-derived hemolytic fatty acids, characterization, probably not important mechanism of anemia in bovine trypanosomiasis

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Haemobartonella felis, cats (nat. and exper.), severe anemia: Hungary

Anemia, Protozoa

Valli, V. E. O.; Forsberg, C. M.; and Lumsden, J. H., 1979, Vet. Path., v. 16 (1), 96-107

Trypanosoma congolense, calves (exper.), pathogenesis, neutropenia, myeloid response
Anemia, Protozoa
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Anemia, Protozoa
Woo, P. T. K., 1979, Exper. Parasitol., v. 47 (1), 36-48
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Anemia, Protozoa
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Anemia, Protozoa
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Anemia, Trematoda
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Fasciola hepatica, sheep (exper.), pathophysiology: influence of dietary protein and iron on erythrokinetics

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Schistosoma haematobium, possible relationships between infection and severe anemia, hemoglobin levels of adolescent boys particularly low in the presence of schistosomiasis: Kenya

Anemia, Trematoda
Isseroff, H.; Spengler, R. N.; and Charnock, D. R., 1979, J. Parasitol., v. 65 (5), 709-714
Fasciola hepatica, rats, anemia, similarity to anemia produced by infused proline

Anemia, Trematoda
Diplodoon nipponicum in crucian carp (gills), hypochromic microcytic anemia, hematological characteristics, incidence in relation to season and host size, effective treatment with trichlorfon (DEP): basin of the river Asakawa

Anemia, Trematoda
Mahajan, C. L.; et al., 1979, J. Fish Dis., v. 2 (6), 519-528
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Anemia, Trematoda
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Schistosoma mansoni, mice, splanomegaly, anemia, dependent not only on parasite factors but also on host immunologic response to infection

Anemia, Trematoda
Tewari, H. C.; and Singh, (Kr.) S., 1979, Indian J. Animal Sc., v. 49 (5), 380-383
Schistosoma incognitum, mice, egg production mainly responsible for severity of disease and for anemia

Anemia, Trematoda
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Taenia hyaenae (Cysticercus dromedarii), camels, morphology, incidence, predilection sites, 2 abnormal forms reported, differential diagnosis of degenerative forms from other common parasites of camels, need to include shoulder in routine carcass examination, unsuccessful attempt to infect dogs and jackals: Egypt

Anomalies, Parasite
Astirotrema reniferum, abnormal development of vitellaria

Anomalies, Parasite
Goncharov, A. I., 1972, Parasitologiya, Leningrad, v. 6 (2), 133-136
Ceratophyllum styx riparius, female fixed in copula was found to possess 2 spermathecae: Churaphinsk region, Iakutsk ASSR

Anomalies, Parasite
Goncharov, A. I., 1972, Parazitologiya, Leningrad, v. 6 (5), 465-468
Mesogolus laeviceps, Amphipsyalu kuznetzovi, castrated males, abdominal structure, implications for normal structure, collabora- tion of Wagner's 12-segment scheme of abdominal structure of fleas

Anomalies, Parasite
Gothe, R.; and Holm, R., 1977, Ztschr. Parasitenk., v. 53 (1), 123-128
Ixodes canisuga, scanning electron microcony of areae porosae of aberrant specimen
Anomalies, Parasite  
Dermatobia hominis, 3rd stage larvae, pattern of stigmatic plates, observation of an anomaly

Anomalies, Parasite  
Metechinorhynchus salmonis, abnormal swellings in tegument, apparently due to build-up of glycogen and phospholipid, no protozoan, bacillary, or viral pathogen found, suggests that abnormality may be due to metabolic dysfunction

Anomalies, Parasite  
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flies, malformations

Anomalies, Parasite  
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Columbicola bacillus, gynandromorph

Anomalies, Parasite  
Gliradicris catostomi, Penarchigetes sp., anomalies involving duplication of reproductive systems; Promonobothrium minytemi, lateral swelling containing additional testes

Anomalies, Parasite  
Hymenolepis nana, anomalies

Anomalies, Parasite  
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[Hymenolepis nana], specimen with multiple anomalies

Anomalies, Parasite  
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Goniodes colchici, gynandromorph

Anomalies, Parasite  
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Quilonia travancra, female, arrangement of somatic muscle cells, muscle deficiency found in female Decruscia additicta

Anomalies, Parasite  
Palma, R. L.; and Pilgrim, R. L. C., 1977, N. Zealand Entom., v. 9 (3), 290-292  
Halipegusus, abnormal male without genitalia

Anomalies, Parasite  
Mammal parasites with six suckers found in experimentally infected puppy (intestine), may be genetic aberration

Anomalies, Parasite  
Hymenolepis diminuta, irregularity of testes and other organs

Anomalies, Parasite  
Echinococcus granulosus and E. multilocularis, in vitro cultures, anomalies of protoscoleces, morphological classification and frequency

Anomalies, Parasite  
Echinococcus granulosus, E. multilocularis, protoscoleces, frequency of anomalies

Anomalies, Parasite  
Uchida, A.; and Itagaki, H., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (3), 170-174  
Mesocoelium elongata, Glyphtelmis rugo-caudata, abnormalities

Antigenic variation. See Immunity, Antigenic Variation.

Antigens. See Immunity, Antigens.

Appendicitis. See Appendix.

Appendix  
Enterobius vermicularis, Balantidium coli, human, cause of appendicitis, search of surgical case records: Peru

Appendix  
Jofre Gutierrez, J. A.; et al., 1974, Rev. Esp. Enferm. Apar. Digest., v. 44 (6), 575-580  
Enterobius vermicularis, humans, verminous appendicitis, clinical review

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rabbit's appendix, immunological model applied to study of epithelial immunity, including that against coccidiosis

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Argentina  
survey of pig breeding farms for incidence of parasites, special emphasis on parasites affecting man: provincia de Cordoba, Argentina (Balantidium coli; Iodamoeba butschlii; other amebas; Trichomonas suis; Eimeria sp.; Ascaris suis; Strongyloides ransonii; Trichuris trichiura; Bonostomum; Gastrocephalus; Oesophagostomum)
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survey, human intestinal parasites: Rio Seco, province of Tucuman, Republic of Argentina
(Strongyloides stercoralis; Entamoeba coli; Giardia lamblia; Trichuris trichiura; Blastocystis hominis; Ascaris lumbricoides; Trichomona hominis; Tenia; Iodameba butschlii; Chilomastix mesnili)
Armies, Parasites. See Medicine, Military.
Arrested development. See Development.
Arthritis
Bouvet, J. P.; Therizol, M.; and Auquier, L., 1977, Acta Trop., v. 34 (3), 281-284
Loa loa, man (blood, synovial fluid, soft tissue of ankle and knees), case report, polyarthritis related to presence of intra-articular microfilariae
Arthritis
Schistosoma haematobium, human, clinical manifestations of rheumatoid arthritis, 2 clinical case reviews: France (natives of Mali)
Arthritis
Ixodes scapularis, epidemiologic evidence and tick survey support hypothesis that erythema chronicum migrans and Lyme arthritis are tick-transmitted: southcentral Connecticut
Arthritis
Wallis, R. C.; et al., 1978, Am. J. Epidemiol., v. 108 (4), 322-327
survey of tick populations in areas of high and low incidence of erythema chronicum migrans and Lyme arthritis, like incidence of disease Ixodes scapularis was more abundant in communities on east compared to west side of Connecticut River; attempts to isolate etiologic agent unsuccessful: southcentral Connecticut
Arthritis
Wyburn-Mason, R., 1979, Med. Hypotheses, v. 7 (5), 600 [Letter]. Giardia lamblia infection should be sought in children with bronchial asthma or chronic diarrhea

ASIA
helminths, wild mammals, systematics, ecological-geographic analysis, monograph: Central Asia

ASTHMA
changes in airway mast cells and histamine caused by specific antigen aerosol in Ascaris suum-allergic dogs

ASTHMA
Higenbottam, T. W.; and Heard, B. E., 1976, Thorax, v. 31 (2), 226-233
Strongyloides stercoralis, man, opportunistic pulmonary infection complicating asthma treated with steroids, case report of fatal illness; emphasis on need for diagnostic awareness: London

ASTHMA
opisthorchiasis associated with asthma, humans, clinical management, therapy

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Lopez-Brea, M.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (5), 600 [Letter]. Giardia lamblia infection should be sought in children with bronchial asthma or chronic diarrhea

ASTHMA
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asthmatic subjects from Papua New Guinea had total serum IgE levels higher than Caucasian asthmatics but similar levels of IgE antibody to mite antigens, mite-specific antibody levels were independent of those to Ascaris and hookworm, implications for possible mechanism of regulation of asthma by intestinal parasites

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airway responses to bronchial challenge with Ascaris suum extract in sensitized conscious sheep, correlation of physiological changes with blood histamine levels

ASTHMA
Ascaris suum-induced immediate-type respiratory responses in conscious Macaca mulatta

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Cediopsylla simplex from Sylvilagus floridanus, intraspecific variations in genital and pronotal combs in male vs. female fleas, implications for effective lodging and survival

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Trypanosoma dionisi, effect of various agents (including temperature, complement, trypsin, cytochalasin B and immune plasma) on attachment and entry to mouse peritoneal macrophages in vitro, and subsequent morphogenesis; attachment occurred to non-specific receptors, entry by phagocytosis

Attachment
Banks, K. L., 1978, J. Protozool., v. 25 (2), 241-245
Trypanosoma conglense, rats, rabbits, localization of parasite in microvasculature is established by attachment of the organism to the vessel wall
Attachment

Banks, K. L., 1979, J. Protozool., v. 26 (1), 103-108
Trypanosoma congolense, in vitro binding to erythrocytes: method of studying trypanosome-host cell interaction, erythrocyte and trypanosome surface properties necessary for adhesion

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Beveridge, I., 1979, J. Helminth., v. 53 (3), 229-244
Hypodontus macropi, synonymy, redescription, host and geographic distribution, distribution within host, method of attachment, gross and histopathological changes, description of free-living larval stages

Attachment

Boophilus microplus, salivary glands during attachment and feeding, gross anatomy, number of cell types and changes in morphology during development, histochemistry, enzymes, physiological functions of cell secretions

Attachment

Brown, S. J.; Bohnsack, K. K.; and Atkins, M. D., 1979, J. Kansas Entom. Soc., v. 52 (2), 258-263
Dermacentor variabilis, nymphs, effects of acclimation humidities on survival and subsequent attachment and engorgement on guinea pigs

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Fascioloides magna miracidia, scanning electron microscopy of penetration of snail Fossaria bulbiloides, attraction, attachment, morphology of apical papilla and epidermal plates, shedding of cilia and epidermal plates

Attachment

Boophilus microplus, attachment and survival of larvae on skin slices in vitro, influence of temperature, relative humidity, and host factors

Attachment

Ebert, F.; Buse, E.; and Muehlpfordt, H., 1979, Ztschr. Parasitenk., v. 59 (1), 31-41
Leishmania donovani, virulent vs. avirulent promastigotes in hamster peritoneal macrophages in vitro, attachment, process of engulfment, amastigote multiplication, localization, light and electron microscopy

Attachment

Feider, Z.; and Mironescu, I., 1972, Acanthocephala, v. 14 (1), 21-31
Mesonyssus gerschi n. sp., M. hirsutus, Rhinonyssus colymbicola, method of attachment to host nasal mucosa

Attachment

Hayunga, E. G., 1979, J. Fish Dis., v. 2 (3), 239-244
Gliricidias catostomi, G. laruei, and Hunterella nodulosa in Catostomus commersoni, fine structure of parasite-host interface at site of attachment, intestinal pathology, light and electron microscopy: vicinity of Albany, New York

Attachment

Inman, L. R.; and Takeuchi, A., 1979, Vet. Path., v. 16 (1), 89-95
Cryptosporidium cuniculus [n. sp.?] in asymptomatic Oryctolagus cuniculus (ileum), electron microscopy (transmission and scanning), altered intestinal microvilli in attachment of parasite

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HorriacAudia rhinobatidis and Troglocephalus rhinobatidis from Rhinobatos batillum (gills), level of infestation, microhabitat, larval development of HorriacAudia, possible role of certain structures in attachment and feeding: Queensland, Australia

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Nematospiroidea dubius, mice, mechanism of attachment appears to be primary longitudinal striae of the cuticle which embed into the host's intestinal villi

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Trichuris muris in Mus musculus, morphology of attachment and probable feeding site, light, scanning, and transmission electron microscopy

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Leigh, W. H., 1978, J. Parasitol., v. 64 (5), 831-834
Odhneriotrema incommodum, life history observations: metacercarial stage in Lepisosteus platyrhynchos shows marked affinity for female hosts; molluscan host unknown; migration after excystment in Alligator mississippiensis, host reaction (caused by secretions from parasite glands) forces relocation every few days, nature of host-parasite junction

Attachment

Lom, J., 1971, Folia Parasitol., v. 18 (3), 197-205
Trichophrya piscium, fine structure in relation to fish host, feeding, attachment, ultrastructural evidence is in favour of ectocommensal nature of this protozoon

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Mazzia mazzia, redescription, an attaching element named "proboscioide" found in buccal capsule
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Entamoeba histolytica trophozoites in contact with tissue culture cells with intact cell membranes, transmission electron microscopy of phagocytosis, attachment, endoplasmic streaming, and micropseudopodia

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Michel, R.; and Hohmann, R., 1979, Ztschr. Parasitenk., v. 60 (2), 123-133
Entamoeba histolytica, attachment to glass surfaces at different temperatures and pH values and in presence of cytochalasin B, colchicine, and vinblastine

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Mills, C. A., 1979, J. Fish. Dis., v. 2 (5), 443-447
Transversotrema patialense adults, attachment and feeding on Brachydanio rerio

Attachment
Trypanosoma grayi, attachment to hindgut of Glossina tachinoides by hemidesmosomes, significance discussed

Attachment
Natarajan, P.; and Nair, N. B., 1972, Hydrobiologia, v. 40 (1), 69-76
Pseudocycnus armatus on Indocybium guttatum (gills), position and organs of attachment, mouth cone, alimentary canal, pathological effects, histopathology: Trivandrum beach, south-west coast of India

Attachment
Oliver, G., 1977, Ztschr. Parasitenk., v. 53 (1), 7-11
Diplectanum aequans, pathogenic effect of fixation on gills of Dicentrarchus labrax

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Pyxinia firmus, ultrastructure of epimerite, possible functions in fixation and nutrition

Attachment
Owen, R. L.; Nemanic, P. C.; and Stevens, D. F., 1979, Gastroenterology, v. 76 (4), 757-769
Giardia muris in immunocompetent mice, intestinal distribution of trophozoites, attachment and relationships to intestinal mucosa (particularly Peyer's patches), normal reaction of intestine and intestinal immune organs; includes some incidental observations on Hexamita muris

Attachment
Posthodiplostomum minimum, host-induced variations in size, shape, and complexity of oral sucker, acetabulum, and holdfast organ

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Radlett, A. J., 1979, Parasitology, v. 79 (3), 411-416
Notocotylus attenuatus, in domestic fowl, in vivo excystation of metacercariae, intracaecal growth and movement of worms, attachment of juvenile worms to host's caecum

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Shaw, M. K., 1979, Ztschr. Parasitenk., v. 58 (3), 243-258
Gastrocotyle trachuri, ultrastructure of clamp wall, possible role in attachment

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Shaw, M. K., 1979, Ztschr. Parasitenk., v. 59 (1), 43-51
monogeneans, ultrastructure of clamp sclerites

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Shaw, M. K., 1979, Ztschr. Parasitenk., v. 59 (3), 277-294
Gastrocotyle trachuri, development of clamp attachment organs, electron microscopy

Attachment
Tulloch, G. S.; et al., 1977, Tr. Am. Micr. Soc., v. 96 (1), 41-47
Schistosoma mattheei, surface structures of integument suggest basic adaptations for clasping of male and female schistosomes and for parasite attachment to host, scanning electron microscopy; taxonomic implications

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Val'ter, E. D., 1973, Parazitologiya, Leningrad, v. 7 (3), 275-279
Contracaecum aduncum, morphology of cephalic end, implications for method of attachment to host tissue

Attachment
Boophilus microplus, ultrastructure and electrophysiology of cheliceral receptors (sensory function)

Attachment
Williams, G. W., 1942, J. Morphol., v. 70 (3), 545-589
Metaradiophrya lumbrici, detailed description, movement and attachment behavior, cytology of division; description of other Metaradiophrya spp. and comparison with M. lumbrici

Attractants. [See also Host perception by parasites; Pheromones; Taxis]

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Schistosoma mansoni, experiments to determine what attractants cause worms to migrate from liver to mesenteric veins around colon of host, results support hypothesis that feces contain an attractant

Attractants
Bone, L. W.; et al., 1979, J. Exper. Zool., v. 208 (3), 311-318
Nipponstrongylus brasiliensis, aggregation and sex pheromones, chromatographic fractionation

Attractants
Broce, A. B.; Davey, R. B.; and Snow, J. W., 1979, J. Econom. Entom., v. 72 (1), 115-118
Cochliomyia hominivorax-attracting survey units, use of plastic wicks as slow release mechanism for chemical attractant Swarming-2
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Cochliomyia hominivorax, development of efficient wind-oriented trap for catching screwworm flies as they move upwind toward Swormlure-2 attractant, compared with standard blowfly trap

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Cochliomyia hominivorax, development and field evaluation of bait system (SWASS) containing dichlorvos and bait for suppression of adult screwworms

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Cochliomyia hominivorax, Swormlure-2 baited traps for detection of native fly populations, trial survey, use in developing fly-release strategies: 12 south Texas counties

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Schistosoma mansoni, laboratory studies using Enterolobium hexane extract as a stimulant for the first stages of cercarial penetration, cercariae burrowed into thin layer of extract without separation of head from tail during penetration

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Mansour, T. R., 1979, Science (4405), v. 205, 462-469
helminths, regulation of motility, metabolism, chemotaxis, and egg formation in relation to development of new and more selective chemotherapeutic agents, review

Attractants
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ammonia excretion by Biomphalaria pfeifferi (natural host for Schistosoma mansoni) almost twice that excreted by Bulinus globosus, possible mechanism for host selection by S. mansoni miracidia

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Prechel, D. P.; and Nollen, P. M., 1979, J. Parasitol., v. 65 (3), 446-450
Megalodiscus temperatus, effects of miracidial aging and dilution of snail-conditioned water on responses of miracidia

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Amblyomma hebraeum, lack of daily rhythm in release of assembly pheromones
Australia, Queensland
Helminths, horses, prevalence: Albany Creek abattoir, near Brisbane, southern Queensland (Strongylus vulgaris, S. equinus, S. edentatus; Tridontophorus sp.; Anoplocephala perfoliata)

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Gastrointestinal helminths, cattle, comparison with parasite fauna of other domestic and wild ruminants: Austria (Ostertagia ostertagi; O. leptospicularis; Skrjabinaga lyrata; S. kolchida; Spiculopteragia boehmi; Rinadia matheossianii; Trichostrongylus axei; T. longispicularis; Haemonchus contortus; Cooperia oncophora; C. zurnabada; C. punctata; Nematodirus helvetianus; Bunostomum phlebotomum; Oesophagostomum radiatum; O. venulosum; Chabertia ovina; Trichuris discolor; Moniezia benedeni)

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Schistosoma mansoni, scintillomicroscope for radioactive tracer detection compared with conventional autoradiographic techniques, application of scintillomicroscope to 14C detection in parasites

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Skrome-Kadlubik, G.; et al., 1978, Medicina, Mexico (1228), an. 58, v. 58, 1-4.
Onchocerca volvulus, rabbits, possible diagnosis and treatment of onchocercoma using 1131-labelled antibodies

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Bacteria
Aitken, M. M.; et al., 1978, J. Comp. Path., v. 88 (1), 75-84
Fasciola hepatica increased susceptibility of cattle to lethal effects of Salmonella dublin and predisposed to development of carrier state

Bacteria
Aitken, M. M.; et al., 1979, Research Vet. Sc., v. 27 (3), 306-312
Fasciola hepatica-infected and non-infected cattle, immune responses to Salmonella dublin, Brucella abortus, and ovalbumin

Bacteria
Fasciola hepatica and Clodstridium novyi (oedemans) type B causing infectious necrotic hepatitis, sheep, epidemiological survey: Southern Scotland

Bacteria
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Theazla rhodesi, isolation of numerous bacteria in digestive tract

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[Sarcocystis], increased prevalence of bacteria in meat and organs of infected swine and cattle, public health implications

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Bustillo, A. E., 1976, Rev. Colomb. Entom., v. 2 (4), 139-144
Neoaplectana carpopcapae, pathogenic to larvae and prepupae of Oxydia trychiata under simulated field conditions, technique for mass production of nematode using prepupae of Galleria mellonella, isolation from nematode of mutualistic bacteria Achromobacter nematophilus

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Das, S. R.; and Ghoshal, S., 1979, Current Sc., Bangalore, v. 48 (2), 69-70
Entamoeba histolytica, axenically grown, amoebicidal activity of metronidazole reduced in vitro by intestinal bacteria

Bacteria
Bacterial flora of field and laboratory populations of schistosome vector Biomphalaria glabrata, relevance for biocnom: Puerto Rico; St. Lucia; Guadeloupe

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Eimeria tenella in conventonal, bacteria-free, and monofloral (Escherichia coli and Bacteroides sp.) chicks (exper.), comparison of cecal lesions, weight gain, clinical signs, and mortality

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Epistylis-Aeromonas complex, centrarchid fish, incidence, spatial distribution of lesions, host size class (age), body condition, seasonal periodicity, influence of thermal effluent on disease: Par Pond reservoir, Savannah River Plant near Aiken, South Carolina

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Ferluga, J.; Doenhoff, M. J.; and Allison, A. C., 1979, Parasite Immunol., v. 1 (4), 289-294
Schistosoma mansoni, mice in granulomatous stage of infection, increased hepatotoxicity of bacterial lipopolysaccharide

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Schistosoma mansoni-infected humans also infected with typhoid fever, atypical aspects of bacterial infection, niridazole at times also cured typhoid, schistosomes may act as multiplication foci of bacteria within host

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Fuxa, J. R., 1979, J. Invert. Path., v. 33 (3), 316-323
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Nuttallia musculi, trophozoites, merozoites, fine structure; bacteria-like bodies often found in cytoplasm

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Laughlin, L. W.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 916-918
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Ascaris suum, entry of 4 species of bacteria into parasite egg before shell formation

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Gregarina garnhami, bacteria-like structures in endoplasm, light and electron microscopy

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Nielsen, K.; et al., 1978, Experiencea, v. 34 (1), 118-119
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Bacteria
Trichinella spiralis, inhibition of development in mouse intestine of larvae previously exposed in vitro to monocultures of intestinal bacteria

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Przyjalkowski, Z., 1974, Acta Parasitol. Polon., v. 22 (22-34), 345-349
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Przyjalkowski, Z., 1977, Acta Parasitol. Polon., v. 25 (1-10), 63-68
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Trichinella pseudospiralis, conventional and germfree mice, effect of intestinal flora on course of infection and haematological changes

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Angiostrongylus cantonensis in germfree and conventional mice, establishment and migration, packed cell volume and differential white blood cell counts, in neither hosts did parasites reach maturity

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Ascaris suum, Ascaridia galli, ovoviviparity of intestinal bacteria on egg development resulting from bacterial oxygen consumption, practical applications in parasitology

Bacteria
Trichinella spiralis, conventional and bi-associated (with Staphylococcus epidermidis and Escherichia coli) mice, carbohydrate metabolism in livers and intestines, metabolite levels, enzyme activities

Bacteria
Trichinella spiralis, conventional and germfree mice, pathology, small intestine epithelium, scanning electron microscopy

Bacteria
Schistosoma haematobium, subjects living in Malumfashi endemic diseases research area, no association found between bacteriuria and parasite infections, probably reflects low intensity of parasite infection: northern Nigeria

Bacteria
Entamoeba histolytica, axenically grown, factors in bacterial lipids supporting parasite growth

Bacteria
Schistosoma mansoni, growth of Salmonella typhi in parasitized mice

Bacteria
Schistosoma mansoni-infected and uninfected mice injected with Salmonella typhimurium, phagocytic function of reticuloendothelial cells compared
Bacteria
Rodriguez, O. N.; et al., 1975, Folia Vet., v. 19 (1-2), 235-242
isolation of bacteria resembling Rickettsia
from Haemobartonella bovis cultures

Bacteria
Balantidium coli, effect of various bacteria on propagation in vitro, on erythrophagocytic capability of balantidia, and on susceptibility of balantidia to atebrin, entobex, metaform, and protargol; Trichomonas hominis, Chilomastix mesnili, and Dientamoeba fragilis found to be without effect; effect of balantidia on bacteria

Bacteria
Stepien, H., 1977, Przegl. Epidemiol., v. 31 (3), 299-303
Enterobius vermicularis, Trichuris trichiura, Ascaris lumbricoides, children, enteric parasites modify quantitatively and qualitatively the host intestinal flora

Bacteria
Giardia lamblia, intestinal colonization by enterobacteria as possible important contributing factor in the development of malabsorption in humans with giardiasis

Bacteria
Toshkov, A.; et al., 1978, Ztschr. Parasitenk., v. 55 (1), 49-54
Trichinella spiralis in rats (exper.) infected 20 days later with Erysipelothrix rhusiopathiae, clinical and pathoanatomic changes in joints, immunological features

Bacteria
Epistyliis sp. on Acartia tonsa, bacterial colonization near ciliate-produced lesions in exoskeleton suggests that bacteria may utilize dissolved copepod body contents: upper Escambia Bay, Florida

Bacteria
Herpetomonas sp. infections in laboratory-reared Aedes aegypti and A. albopictus (Malphighian tubules of both), 30 to 40% of the flagellates contained intracytoplasmic rod-shaped structures strongly resembling bacteria: Institute for Medical Research, Kuala Lumpur, Malaysia

Bacteria
Yvore, P.; et al., 1978, Ann. Recherches Vet., v. 9 (3), 531-539
Eimeria adenoeides, turkeys (exper.), single and multiple infections, pathology, suggested role of bacteria in pathogenic potential

Baltic Sea. See Seas, Baltic Sea.

Bather's itch. See Dermatitis, Trematoda.

Behavior. [See also Host perception by parasites; Taxis]

Behavior, Host
Transversotrema patialense infections in Brachydanio rerio, overdispersion in distribution of successful infections/host can be generated within laboratory infection arenas, degree of over-dispersion or aggregation of parasites within host population increases as both infective-stage density and time of exposure to infection increases, stochastic simulation studies demonstrate that heterogeneity in host susceptibility to infection is probable generative cause of such patterns, variability in host susceptibility is most probably generated by differences in behavior

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Bethel, W. M.; and Holmes, J. C., 1977, Canad. J. Zool., v. 55 (1), 110-115
larval acanthocephalans induce behavioral alterations in infected amphipods which render them more vulnerable to predation by definitive hosts

Behavior, Host
Bishop, R. K.; and Cannon, L. R. G., 1979, J. Fish Dis., v. 2 (2), 131-144
Sacculina granifera, morbid behavioral changes in infected Portunus pelagicus; concluded that parasite secretes hormonal mimic which induces ovigerous behavior which maximizes survival of parasite population

Behavior, Host
Camp, J. W.; and Huizinga, H. W., 1979, J. Parasitol., v. 65 (4), 667-669
Acanthocephalus dirus-infected Asellus intermedius, altered color, behavior, and susceptibility to predation by Semotilus atromaculatus

Behavior, Host
Dailey, M. D.; and Walker, W. A., 1978, J. Parasitol., v. 64 (4), 593-596
60 stranded and 31 control cetaceans, parasites recovered, associated pathology, role of parasites as possible contributing factor in stranding behavior: southern California

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abnormal behavior suggestive of rabies in Marmota monax diagnosed as cerebrospinal nematodiosis, baermannization of brain tissue suggested for differential diagnosis: New York

Behavior, Host
Ixodes hexagonus and I. canisuga populations on Vulpes vulpes, distribution within host population; I. hexagonus, seasonal dynamics, occurrence in relation to host sex, age, and behavior, effect on host: suburban London
Behavior, Host
Jackson, J. A.; and Nickol, B. B., 1979, J. Parasitol., v. 65 (1), 167-169
Mediorhynchus centurorum, host specificity for Melanerpes carolinus is thought to result from differences in nesting sites, nest sanitation, foraging behavior, and food items among woodpeckers: Louisiana

Behavior, Host
Keymer, A. E.; and Anderson, R. M., 1979,
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Hymenolepis diminuta, dynamics of transmission by Tribolium confusum: age-dependent infectivity of eggs, influence of infective-stage density on rate of parasite establishment, density-dependent constraints, limitations on rate of acquisition of infection imposed by host feeding behavior, dynamics of ingestion of eggs by host, influence of spatial distribution of infective stages on infection

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Dipetalonema viteae, larval migration and distribution in Ornithodoros tartakowskyi, elimination of nematode larvae in tick coxal fluid may prevent hyperinfection, cannibalism transmits nematodes among ticks

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Diplozoon homonion gracile from Barbus meridionalis, egg-laying and hatching rhythms, probably synchronized to host behavior so as to increase chances of successful invasion by larvae

Behavior, Host
Mahajan, C. L.; et al., 1979, J. Fish Dis., v. 2 (6), 519-528
Isoparorchis hypselobagri-infected Channa punctatus, morphological, behavioural, biochemical, and haematological changes, possible human health hazard: reservoir (Khookas bundh) about 20 km north of Jaipur

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Trypanosoma conglense-infected Glossina morsitans, study by stereoscopic electron micrographs suggests close association between salivarian trypanosomes and host mechano-receptors, possible higher probing rate in infected flies

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Mansonella ozzardi in humans, comparison of microfilaria densities in blood and skin snips from 3 areas of the body: relative importance of skin and blood dwelling tendencies of parasite in relation to vector uptake discussed: Trinidad

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Norval, R. A. I., 1978, J. Parasitol., v. 64 (5), 910-917
Amblyomma hebraeum, repeated feeding on rabbits and sheep, tick yield, engorged weight, and engorgement period, no acquisition of resistance by host, seasonal fluctuations in engorged weights appear to be due to changes in host physiology as result of low temperature acclimatization, tick yield is determined by amount of host grooming, feeding periods of larvae and nymphs are dependent on host skin temperature

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Sacculina granifera infections of Portunus pelagicus, prevalence, host age and sex, seasonal distribution, influence of parasite upon host: morphological and behavioural modifications, inhibited molting, male sterility: Moreton Bay, Queensland

Behavior, Host
Fasciola hepatica-infected or non-infected Lymnaea truncatula, disturbance of daily rhythm of behavior in presence of predators

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Ornithodipterum ptychocheilus infection not found to affect stamina of Richardsonius balteatus, evolutionary implications; multivariate contingency table analysis of data
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Neohaematopinus palaearcticus infestation of Marmota caudata in relation to geographic regions and vertical zones, season, host activity period (hibernation, reproduction, etc.), host age and sex, age and sex structure of louse populations: Tadzhikistan

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sociobiology of Biomphalaria glabrata (behavior, growth, survival, and natality rates)

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Belozerov, V. N.; and Luzev, V. V., 1974, Parasitologiia, Leningrad, v. 8 (6), 515-523
Haemaphysalis longicornis, effect of photoperiod and temperature on behavior and development of larvae and nymphs

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Ceratophyllum niger, Opisodasys pseudarcatus, evidence that larval fleas feed by ingestion of liquid (whether blood or other body fluids) by sucking action and that they are predatory (attacking and killing even others of their own kind)

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Camin, J. H.; and Drenner, R. W., 1978, J. Parasitol., v. 64 (5), 905-909
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Hafez, M.; Hilali, M.; and Fouda, M., 1979, Ztschr. Ang. Entom., v. 87 (5), 327-335
Hippobosca equina, ecological studies: host preference, seasonal abundance, adult habits, effect of host sex and colour on attraction of flies, mating behaviour, distribution on host body, sex ratio, breeding season: El-Aziziya village, El-Faiyum governate, Egypt
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Ixodes ricinus, polymorphism at ω-glycerophosphate dehydrogenase locus detected by electrolyrophoresis, allele and genotype frequency patterns in natural tick populations, physiological and behavioral correlates of alternate genotypes (susceptibility to desiccation, locomotory efficiency), sex and locality differences, results provide evidence that polymorphism serves adaptive function and suggest factors that may be involved in selective maintenance of variability in natural populations: Ireland

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Hopkins, C. A.; and Allen, L. M., 1979, Parasitology, v. 79 (3), 401-409
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James, C.; and Prah, S. K., 1978, J. Helminth., v. 52 (3), 221-226
Schistosoma mansoni, S. haematobium, penetration efficiency and selective capacity of miracidia based on infection rates produced in Bulinus pfeifferi and B. globosus respectively, scanning capacity also compared in increasing volumes of water, over increasing horizontal distances, and in running water of different flow rates, effect of miracidial density, epidemiological implications

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Trichinella spiralis, micro orientation of male and female larvae into pairs in small intestine, pairs more frequent in lower section than in upper section

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Okulova, N. M., 1978, Ekologiya, Sverdlovsk (2), 44-48

Ixodid ticks, vertical and horizontal movements in forest conditions, dependent upon air temperature and humidity

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Amblyomma americanum, oviposition behavior and larval longevity in 4 different habitats, preoviposition time and egg incubation temperature dependent

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Schistosoma mansoni, mice infected by tail emersion, relationship between vertical distribution of cercariae and worm burden after exposure, infection is influenced by tendency of cercariae to concentrate near water surface (negative geotropism)

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Ornithonyssus bursa, behavior of mite in Sturnus vulgaris nest boxes during breeding season, cycle of infestation of starling broods, mites' reaction to development and fledging of nestlings: New Zealand

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Prah, S. K.; and James, C., 1978, J. Helminth., v. 52 (2), 115-120

Schistosoma mansoni miracidia are positively phototactic, sensitive to small changes in light intensities, and indifferent to gravity; S. haematobium miracidia are negatively phototactic, unable to distinguish low light intensities from darkness, and positively geotactic; both species could successfully find and infect snails to depth of 2 meters of water

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Megalodiscus temperatus, effects of miracidial aging and dilution of snail-conditioned water on responses of miracidia

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Proterometra macrostoma cercariae, behavioral and physiological aspects of swimming

Behavior, Parasite

Amblyomma hebraeum, calves, rabbits, evidence for existence of an assembly pheromone(s), behavior of adult male and female ticks in response to fed males or their extracts

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Ixodes neitzi, attraction of adult ticks to twigs marked by Oreotragus oreotragus (klipspringer antelope), first report of tick species locating its mammalian host by detecting specific chemical compound(s) used by host as communicative marking signal thus increasing probability of survival in that particular habitat

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Roberts, T. M.; et al., 1978, J. Parasitol., v. 64 (2), 277-282

Schistosoma mansoni, quantitative assay for testing behavioral responses of miracidia to chemicals, used to screen chemicals for miraxone-like activity and to test for inhibitors of miracidial responses to stimulants

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Dermacentor variabilis, D. andersoni, female sex pheromone, chemical and biological evidence for existence, interspecific and intergeneric sex attractant activity involving both Dermacentor spp. and Rhipicephalus sanguineus

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Biliary tract. [See also Digestive system; Liver]

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Biliary tract

Fasciola hepatica, humans, associated cholecystitis, case reports: Peru

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Biliary tract

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Echinococcus multilocularis, man, case report, alveolar hydatid disease with extensive biliary obstruction and large cavitation in the liver due to necrosis, clinical, epidemiologic and radiologic diagnostic findings
Biliary tract

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Schistosoma mansoni-infected mice, bile duct hyperplasia: results support data linking proline to bile duct and liver fibroblast proliferation

Biliary tract


Fasciola hepatica, human, case report of hepatic distomiasis with eggs found also in the bile and biliary tract, emetine chloride therapy resulted in permanent cure; diagnostic considerations, emphasis on frequent association between parasitism and gallstones: Villa de Reyes, San Luis Potosi, Mexico

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ascariasis, human biliary tract, cholangiography, surgical and anesthetic therapy, case reports

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Schistosoma mansoni, human chronic cholecystitis from parasite infection, pathology, case report: Bahia, Brazil

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physiology of fish parasites, review: chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition (role of gut, role of tegument); metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)

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Ornithodoros savignyi, rats (exper.), chemical composition of coxal fluid (electrolytes, amino acids, proteins, nucleic acids, carbohydrates, lipids), results confirm osmoregulatory role of coxal organs; sucrose detected in coxal fluid, first report in any animal tissue

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Ixodid ticks, comparative analysis of excretory products during feeding

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Joophilus microplus, norepinephrine identified as principal catecholamine in individual neurons of synganglion, suggests that norepinephrine may have hitherto unsuspected major physiological role in at least one group of invertebrates

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Biochemistry, Cestoda

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Taenia taeniaeformis, complement-fixing activity washed from surface of metacestodes and characterized physicochemically, active substance may be polysulfated proteoglycan, location at host-parasite interface may have significance in evasion of immune rejection
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Hymenolepis diminuta, H. nana, 5-hydroxytryptamine, presence and distribution in nervous systems detected by biochemical and histochromic methods, occurs in pattern similar to that of acetylcholinesterase, lack of 5-HT in vestigial rostellum of H. diminuta may be correlated with loss of function of this organ

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Biochemistry, Host
Ascariasis, cats, rabbits, pathogenesis, sulfhydryl group in toxic substances from parasites apparently causes blocking of host enzyme system and other protein complexes

Biochemistry, Host
Theileria annulata, cattle, imidocarb dihydrochloride, serum enzyme activities and chemical constituents before and after treatment
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Biochemistry, Host
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Biochemistry, Host
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Biochemistry, Host
Ascaris suum and vitamin C deficiency, effect on levels of glucose and acid-soluble phosphate compounds in blood of guinea pigs

Biochemistry, Host
Ascaris suum-infected guinea pigs, levels of vitamins B, and C in some tissues and organs, organ weights

Biochemistry, Host
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tine, chymotrypsin inhibitors from intestine, cuticle, and in vitro maintenance medium, estimation of molecular weights by gel chromatography

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Fasciola hepatica, Ascaris suum, and other invertebrates, qualitative analysis of catecholamines in tissues

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Echinostoma malayanum, development in rats, heavy population density effects (lengthened prepatent period, undersized worms, decreased proteins, lipids, calcium, and ash but not glycogen); pathological changes in rat intestine: in vitro metacercarial excystment

Biogeography. See Geographic distribution.

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Biological control
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Cochliomyia hominivorax, new strain ('TEX-MEX') outperformed standard production strain ('APHIS') in dispersal and survival in field trials: Central Texas river valley; South Texas rangeland.
Biological control

relationship between parasite pathogenicity and consequent depression of host population equilibria, micro- and macroparasitic infection models, implications for use of parasites as biological control agents

Biological control

Andreadis, T. G.; and Hall, D. W., 1979, J. Protozool., v. 26 (3), 444-452
Amblyospora sp., development, ultrastructure, and mode of transmission in Culex salinarius

Biological control

Nosema algerae, infection rates, reproductive capacity, and longevity of Anopheles albimanus exposed at each larval instar, results indicate that introduction of N. algerae into natural A. albimanus populations of mixed larval instars could significantly reduce number and fertility of mosquito eggs

Biological control

Neomosomeris flumenalis in Simulidae, spatial and host differences in rates of infection, temporal and (parasite) sex differences in emergence pattern of postparasites

Biological control

technology for sterilizing and packaging male Anopheles albimanus for field release in endemic malaria areas

Biological control

nematodes of insect pests of wood of conifers, parasite and host lists, extensive review: USSR

Biological control

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Telenomus fariai parasitizing eggs of Triatoma phyllophaga, diplospomia, vector of Chagas' disease, oviposition behavior and host discrimination

Biological control

Hexameris sp. in Leptinotarsa decemlineata, possible use in biological control: Bulgaria

Biological control

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Romanosomermis culicivorax, effect of various dissolved oxygen concentrations at various temperatures on infectivity for Culex pipiens

Biological control

Occhliomyia hominivorax larvae, new liquid rearing medium, cost savings in sterile male release program

Biological control

Schistosoma mansoni, miracidio-phagic activity of Lebistes reticulatus, laboratory experiments

Biological control

current problems in control of mosquitoes, review

Biological control

Nosema eurytremae, pathogenicity to Fasciola hepatica in Lymnaea trunculata

Biological control

Romanosomermis sp. and fungus, parasitism of mosquito larvae, seasonal incidence and effect on mosquito breeding

Biological control

snail defense mechanisms, Blomphalaria glabrata challenged with bacteria, significant elevations in levels of total serum proteins, levels of lysozyme activity not altered possibly due to age of snails

Biological control

Schistosoma haematobium, snail control trials by modification of habitat and application of niclosamide: Volta Lake village, Ghana

Biological control

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Vairimorpha necatrix in Trichoplusia ni (exper.) (fat body, muscle tissue, mid gut), symptoms, histopathology

Biological control

WHO looks at Bacillus thuringiensis for vector control, news report
Biological control
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Biological control
Cochliomyia hominivorax, swormlure-2 baited traps for detection of native fly populations, trial survey, use in developing fly-release strategies: 12 south Texas counties

Biological control
Nematodes, protozoans, and other organisms used in classical biological insect pest suppression

Biological control
Tetrahymena sp. in Simulium damnosum (haemocoel), potential biocontrol agent: Ivory Coast

Biological control
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Biological control
Romanomeris culicivorax, control of fungus hyperparasitic in nematode, problem in mass raising for mosquito biological control, fungicides evaluated

Biological control
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Biological control
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Howardula sp., rate of dissemination of juveniles by adult Epitrix hirtipennis at two temperatures, no significant difference between the total number of juveniles released from male vs. female beetles, sex ratio of released juveniles highly in favor of females: Oxford. North Carolina

Biological control
Coprophagous arthropods in horse feces, identity and activity, concluded that dung beetles are of little benefit in control of equine strongylosis in absence of other control measures: Moggill, southern Queensland

Biological control
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Nosema locustae, susceptibility of 5 grasshopper species to field applications, degree of infestation, pathogen overwintering: near Biggar, Saskatchewan

Biological control
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Biological control
Chagas disease vector Rhodnius prolixus eggs found naturally parasitized by endophagous Microhymenoptera, possible importance as biological control: Venezuela

Biological control
effects of population density on Onocorytus trinidadensis, parasite of Rhodnius prolixus eggs: Venezuela

Biological control
Neaplectana sp., ND-136 strain, field trials for control of Scolytus scolytus, single application insufficient to decrease overwintering population, further studies needed

Biological control
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Schistosomiasis, possible use of Helisoma duryi in biological control as competitor of intermediate host snails, review

Biological control
Pilosporella fishi in Wyeomyia vanduzeei, greater mortality of female than male mosquitoes, incidence too low to affect size of mosquito population: near Vero Beach, Florida

Biological control
Vairimorpha necatrix, interactions with bacterium, virus, and fungus in Heliothis zea (exper.)

Biological control
Vairimorpha necatrix, mass production and storage methods
Biological control
Romanomermis sp., mass cultivation, screening for safety in laboratory animals, mosquito susceptibility studies, use in small scale field trial for mosquito control: paddy fields in Pondicherry

Biological control
partial suppression of Plasmodium gallinaeum and P. vivax in Aedes aegypti and Anopheles stephensi doubly infected with Nosema algerae and Plasmodium, epidemiological significance

Biological control
Romanomermis culicivorax, field application for control of Aedes spp., poor results due primarily to low spring temperatures: Manitoba

Biological control
Neoaplectana carapaxae infective-stage juveniles, ultraviolet radiation and sunlight as factors limiting effectiveness as biological control agent, reduced pathogenicity and inhibition of nematode reproduction and development in Galleria mellonella larvae (exper.)

Biological control
Gaugier, M.; and Gruber, G. M., 1979, Environment. Entom., v. 8 (1), 91-95
Neoaplectana carapaxae, no signs or symptoms of pathogenicity, toxicity, evidence of infection, or nematode-related histopathology in rats inoculated with infective-stage juveniles

Biological control
larvae of Chironomus plumosus parasitized by nematids identified as very likely Octomyomermis italicensis with subsequent colonization by bacteria, fungi, and ciliated protozoa, role of parasites and saprophytic microorganisms in population control of chironomids and in decomposition of complex organic matter in benthic environment: Lake Ontario

Biological control
schistosomiasis vectors, Biomphalaria glabrata, predatory capability of American crayfish, Cambarus affinis

Biological control
schistosomiasis vectors, Biomphalaria glabrata, predation by American crayfish, Cambarus affinis, exerted principally during period from April to October

Biological control
toxicity of Bacillus thuringiensis var. israelensis for Simulium vectors of onchocerciasis

Biological control
mosquito pathogens, survey: Thailand

Biological control
Nosema locustae spores for control of grasshoppers, 2 methods of application compared, application of spores on wheat bran was significantly better in reducing grasshopper densities than application in ultra low volume aqueous spray

Biological control
mermithids in Aedes caballus, sex of parasite, host fecundity, possible biological control: near Bloemfontein, Orange Free State

Biological control
Higby, G. C.; et al., 1979, Parasitology, v. 78 (2), 155-170
Nosema eurytremae derived from trematode larvae, propagation in abnormal (insect) hosts and in tissue culture

Biological control
Hill, R. E.; and Gary, W. J., 1979, Environment. Entom., v. 8 (1), 91-95
Nosema pyrausta in field populations of Ostrinia nubilalis, incidence and development: Nebraska

Biological control
Fasciola hepatica, decline of fluke and Lymnaea truncatula populations on reclaimed western blanket peat, possible relationship to predation by Hydroma dorsalis: Co. Mayo, Ireland

Biological control
Igoffo, C. M.; and Garcia, C., 1979, J. Econ. Entom., v. 72 (5), 767-769
Agrotis ipsilon, susceptibility to Vairimorpha nectatrix and other entomopathogens

Biological control
Ishii, A.; et al., 1976, Snake, v. 8 (1), 64-68
Entamoeba invadens, oral inoculation of some amphibians and reptiles, possible biological control of the habu snake

Biological control
Glossina palpalipes, virus-like rods associated with salivary gland hyperplasia, exceedingly heavy trypanosome infections found in some hyperplastic glands, unlikely that virus-like particles can be used as biological control agents if they are favoring development of trypanosomes
Biological control
Schistosoma mansoni, evaluation of Marisa cornuarietis for biological control of schistosome transmission in flowing water habitats with population of infected Biomphalaria glabrata, costs: Puerto Pico

Biological control
Nosema heliothidis and Vairimorpha necatrix, susceptibility of selected insect pests, spore dose levels necessary to obtain LD50 in selected host age levels

Biological control
Jouvenaz, D. P.; and Anthony, D. W., 1979, J. Protozool., v. 26 (3), 354-356
Matthesia geminata sp. n.-infected Solenopsis geminata, pathologic manifestations, biological control implications

Biological control
Neoaplectana carpocapsae, greater mortality of insect hosts in presence of mixed fungal infections

Biological control
Pristionchus uniformis in Galleria mellonella (exper.), shortening of lifetime, changes in hemolymph

Biological control
Vairimorpha necatrix (potential biological control agent), survival (infectivity) of spores exposed to sunlight, ultraviolet radiation, and high temperature, laboratory and field tests

Biological control
Neoaplectana carpocapsae adversely affects Apanteles miliaris when the nematode invades Pseudaelata unipuncta before the parasitoids complete their development and are ready to emerge from the host, possible implications for use of N. carpocapsae as biological control agent of P. unipuncta

Biological control
Neoaplectana carpocapsae, development and reproduction in healthy and virus-infected Pseudaelata unipuncta; confirmation of presence of virus in intestine of nematodes, possibly useful in pest-management systems

Biological control
Kaya, H. K.; and Moon, R. G., 1978, J. Nematol., v. 10 (4), 333-341
Heterotylenchus autumnalis in Musca autumnalis, occurrence, within-pasture distribution of nematode and its host, frequency of nematodes within male and female hosts, effects of nematode on host (sterility, differential feeding behavior of infected and uninfected females of different age classes), seasonal population dynamics of nematode and host: northern California

Biological control
Theholania spp. in Aedes spp. larvae, infection rate units of natural conditions and in tests with transovarial transmission did not exceed 2%, infection rate in tests with transmission per os reached 50%: USSR

Biological control
Klochitskii, P. Ia.; and Bryginskii, S. A., 1979, Vestnik Zool., v. 80 (2), 164-170
Lankesteria culicis as possible factor regulating mosquito populations: Ukraine

Biological control
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merinthis parasites of Colorado potato beetle, prevalence, life cycles in relation to host development, potential as biological control: Chernovitskaia region, Ukraine

Biological control
Dermanyssus gallinae eggs, nymphs, and adults are preyed upon by Alphitobius diaperinus, thus reducing mass reproduction of this parasite in poultry yards

Biological control
Cochliomyia hominivorax, aggregations of male flies, efficiency of sterile male release method will be enhanced by maximizing the chances of putting sterile screwworms into actual or potential breeding sites

Biological control
Cochliomyia hominivorax, comparison of 2 sterile male release methods, small dosage/narrow lane distribution appears to be more effective than large dosage/wide lane distribution; epidemiology of 1976 epizootic: south Texas

Biological control
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Cochliomyia hominivorax, field tests of sterile males against natural populations, population dynamics, responses of previously challenged and unchallenged populations, comparison of 2 released strains: coastal areas of Mexico

Biological control
arthropods associated with dung, bibliography
Biological control
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Reesermeris nielseni, attraction of infective stage to Culex pipiens molestus larvae, laboratory conditions

Biological control
Romanomermis culicivorax, susceptibility of 5 mosquito species to infection, relationship of nematode release point and dispersal to host parasitism

Biological control
Cochliomyia hominivorax, cytological separation and identification of native vs. factory-reared irradiated released male flies captured in field traps, method is rapid, accurate, and simple enough for use in field laboratories

Biological control
Laracuente, A.; Brown, R. A.; and Jobin, W., 1979, J. Trop. Med. and Hyg., v. 28 (1), 99-105
Schistosoma mansoni, evaluation of 4 species of aquatic snails as decoys to intercept miracidia, laboratory and field trials: Puerto Rico

Biological control
Haematobia irritans, biological control by introduced Heterotylenchus autumnalis and natural enemies, 1968-1974: California

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Plutistophora tabani sp. n. in Tabanus sp., pathogenicity

Biological control
Romanomermis culicivorax, aerial application as effective means of disseminating preparasites in mosquito control operations: southwest Florida

Biological control
Romanomermis culicivorax, Simplex low profile aerial spray system as effective means of disseminating preparasitic stage for mosquito control

Biological control
Romanomermis culicivorax as biological control agent of Culex quinquefasciatus, polluted water had little or no adverse effect on viability, infectivity, or development of nematode: Sanibel Island, Lee County, Florida

Biological control
Romanomermis culicivorax, experimental release for evaluation as biological control agent of mosquitoes breeding in grassy field: Lee County, southwest Florida

Biological control
Nosema pyrausta, foliar application for suppression of European corn borer (Ostrinia nubilalis)

Biological control
Neoplectana carpopusca, MD-136 strain, potential as a control for all developmental stages of Ostrinia nubilalis except the egg, laboratory and field evaluation

Biological control
Daubaylia malayanum n. sp., in Biomphalaria glabrata (sinuses around esophagus, within neck-head area, sinuses around rectal ridge) (exper.), no marked difference in mortality rates between infected and non-infected snails

Biological control
role of pathogens and parasites in survival of Coccinellidae spp. during winter: Poland

Biological control
Lublinkhof, J.; Lewis, L. C.; and Berry, E. C., 1979, J. Econom. Entom., v. 72 (6), 880-883
Nosema pyrausta integrated with insecticides for control of Ostrinia nubilalis, European corn borer

Biological control
Maddox, J. V.; et al., 1977, Pakistan J. Zool., v. 9 (1), 19-22
Nosema algerae, differences in susceptibility of Pakistani mosquitoes, potential as biological control agent

Biological control
Madsen, H., 1979, Hydrobiologia, v. 66 (2), 181-192
Schistosoma mansoni, interspecific competition between Helisoma duryi and intermediate hosts Biomphalaria alexandrina or B. camerunensis

Biological control
Madsen, H., 1979, Hydrobiologia, v. 67 (3), 207-214
biological control of Biomphalaria camerunensis vector snails by introduction of competitor snail Helisoma duryi, role of conditioning and mechanical interference with egg masses and juveniles in this competitive relationship

Biological control
Neoplectana sp. (DD-136), pathogenicity to insect crop pests, potential as biological control agent
Biological control of snail vectors of fascioliasis hepatica

Methods, F. R.; and Woodbury, R., 1979, J. Agric. Univ. Puerto Rico, v. 65 (3), 566-376

Lymnaea spp., molluscsidial assay of 200 Puerto Rican terrestrial plants, possible use in biological control of snail vectors of fascioliasis hepatica

Biological control


Boophilus microplus, virus-like particles pathogenic to tick salivary glands, viruses pathogenic to ticks could have potential as biological control agents

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Nosema locustae, adult Apis mellifera not susceptible, safe to use Nosema locustae in biological control of pest insects

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mosquito control in wells using Gambusia affinis and Apocheilus biochil: Pondicherry town

Biological control


Plisophora schurbergi, effect of microsporidiosis on development of diapause in noctuids, biological control

Biological control

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Biological control

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Heterorhabditis bacteriophora as vector for introducing its associated bacterium into hemocoel of Galleria mellonella larvae

Biological control


Biophthalmia glabrata, Helioma duryi, competition under laboratory conditions

Biological control

Millward-de-Andrade, R.; and Carvalho, O. dos S., 1979, Rev. Saude Publ., S. Paulo, v. 13 (2), 92-107

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Biological control

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possible use of the mollusk Pomacea haustrum for biological control of snail vectors of human schistosomiasis, field and laboratory studies show Pomacea to be a predator and competitor of the vector snails: Brazil
Biological control
Trypanosoma cruzi, effects of juvenile hormone analogues on developmental changes in Panstrongylus megistus vector triatomines, juvenilized bugs less susceptible to natural gut infection, potential for biological control

Biological control
Octomymermis muspratti (=Reesimermis muspratti), possible biological control agent, preliminary studies on development of in vivo mass-rearing system

Biological control
Octomymermis muspratti, effects of male/female ratios on mating and egg production, application of these findings may help obtain maximum laboratory production of this potential biocontrol agent of mosquitoes

Biological control
Romanomermis culicivorax, laboratory mass production for biological control, effects of host-parasite ratios and flooding patterns upon level of parasitism and total yield

Biological control
Petersen, J. J., 1979, Southwest. Entom., v. 4 (1), 65-69
Romanomermis culicivorax, longevity of laboratory cultures extended by low temperatures, mass rearing techniques

Biological control
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Romanomermis culicivorax, application to mosquito breeding areas to control Anopheles albimanus and An. p. pseudopunctipennis: El Salvador

Biological control
Gastromermis sp. in anopheline larvae, parasite sex ratio, life cycle, value as possible biological control agent: southwestern Louisiana

Biological control
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checklist of mosquito species tested against Romanomermis culicivorax, natural infections, laboratory or field exposure, susceptibility index, and source references

Biological control
Romanomermis culicivorax, mass production

Biological control
Chagas' disease, slow-release juvenile hormone formulations for control of triatomine vectors

Biological control
Pinchin, R.; et al., 1978, J. Econom. Entom., v. 71 (6), 950-955
Trypanosoma cruzi, 40 compounds bioassayed for juvenile hormone activity on Panstrongylus megistus

Biological control
Romanomermis culicivorax, aquatic arthropod predators of preparasitic and postparasitic stages, potential problem in using nematode for mosquito control

Biological control
Empidomermis cozii n. gen., n. sp., life cycle, parasitized adult female Anopheles funestus were sterilized and died soon after nematodes emerged

Biological control
Poinar, G. O., jr., 1978, Nematologica, v. 24 (1), 105-114
Neapectaneta glaseri, emended description, generation polymorphism (larger first generation, smaller second generation); symbiotic bacterium in nematode released into insect haemocoel, probably aids in nematode nutrition and development; xenic population indicates that nematode species is native to North America not introduced with Japanese beetle; possible use for pest control renewed

Biological control
Poinar, G. O., jr.; et al., 1979, J. Parasitol., v. 65 (4), 613-615
Romanomermis culicivorax, laboratory infection of Simulidae and Chironomidae, host response, extent of parasite development

Biological control
Poinar, G. O., jr.; and Bai, G., 1979, Indian J. Nematol., v. 9 (1), 1-4
Panagrolaimus migophilus sp. n., parasitic in Musca domestica: Bangalore, India

Biological control
Neapectaneta glaseri, xenic field population recovered from parasitized larvae of the spring rose beetle; life cycle, morphometric study, may be useful as biologic control agent for insect pests living in soil

Biological control
Mesomermis paradiseus in blackflies, biological control

Biological control
Merhithidae [sp.] parasitizing Simulium tobesiense and S. aokii: Pankechin River, Otofuke, Hokkaido, Japan
Biological control
Pye, A. E.; and Burman, M., 1977, Suomen
Hyonteistieteenailen Aikakauskirja (Ann. Entom. Fennici), v. 43 (4), 115-119
Neapectctana carpocapsae in Hylobius abietis (exper.) (haemocoele), pathogenicity, possible use in biological control

Biological control
Pye, A. E.; and Burman, M., 1978, Exper. Parasitol., v. 46 (1), 1-11
Neapectctana carpocapsae (potential biological control agent) in Hylobius abietis: dose-mortality and concentration-mortality studies, nematode dispersal, invasion route, host mortality in relation to temperature and to insect stage and condition; nematode reproduction, optimal temperature

Biological control
Rajasekaririah, G. R., 1978, Experientia, v. 34 (11), 1458-1459
Fasciola hepatica, ingestion of cercariae by Chaetogaster limnaei (an annelid ectocommensal on Lymnaea tomentosa, the intermediate host of the liver fluke), possible exploitation as biological control measure

Biological control
Romanomermis sp., tolerance of preparasitic nauplius and adult to different pH and salinity, laboratory and field trials, limited utility as biological agent in polluted water

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Chelomyia hominivorax, antifertility effects of benzylphenols and benzyl-1,3-benzodioxoles

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Howardula husseyi-infected vs. uninfected Megaselia halterata, longevity, dissemination of nematodes by parasitized female flies, statistical models, potential biological control agent

Biological control
Fasciola hepatica-infected or non-infected Lymnaea truncatula, disturbance of daily rhythm of behavior in presence of predators

Biological control
advantages of an association of predatory snails (Physa acuta with Zonitidae) in biological control of Lymnaea truncatula

Biological control
Fasciola hepatica, Lymnaea glabra, L. truncatula, and L. palustris found in malacological survey of water-cress pools responsible for human cases of fascioliasis, exper. infections show that L. glabra as well as L. truncatula can serve as vector, biological control by introduction of predatory snail Zonitoides nitidus: Limousin

Biological control
Long-term results of biological control of Lymnaea truncatula by predation of Zonitidae snails, population dynamics of several species of snails in two types of habitats

Biological control
Rondelaud, D., and Barthe, D., [1979], J. Parasitol., v. 66 (6), 1150-1151
Fasciola hepatica, presence of erratic cercariae in Limina of digestive gland of Zonitidae snails preying on infested Lymnaea truncatula, lack of infestation in Zonitidae after ingesting prey makes it suitable for biological control

Biological control
Nosema manyantriae in Lymantria dispar, ultrastructural data on intracellular development, possible method of penetration into host cell nucleus, potential of parasite in control of forest pests

Biological control
Sankurathri, C. S.; and Holmes, J. C., 1976, Canad. J. Zool., v. 54 (10), 1742-1753
parasites and commensals (Oligochaeta and larval Diogenea) of Physa gyrina in control area vs. area affected by thermal effluents, prevalence, seasonal changes, interactions (including ingestion of cercariae by oligo- chete), ecological model: Lake Wabamun, Alberta

Biological control
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Anopheles albimanus, computer simulation of effectiveness of releasing male-linked translocation heterozygotes as control measure, malaria subroutine included in model
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effect of nematodes and herbicides, or to both factors jointly

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Neapectana carpocapsae, Colorado beetle (Leptinotarsa decemlineata), combined use
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Biological control
Sharas, T. J.; Burkholder, W. E.; and Boush, G. M., 1977, J. Econom. Entom., v. 70 (4), 460-474
Mattiesia trogodermae in biological control of Trogoderma glabrum, dissemination of
protozoan pathogen by pheromone-baited spore-transfer sites

Biological control
Ascaris suum eggs eaten and digested by ciliates, possible role in water purification

Biological control
changes in epidemiology of myxomatosis following introduction of Spilosyllus cuniculi:
Pine Plains, Mallee region, Victoria

Biological control
Diplostomum spathaceum cercariae, measurement of elimination by cladoceran Moina macrocopia
and estimation of its role in regulating numbers of cercariae

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Nosema carpocapsae, importance in regulating populations of Lampeyesia pomonella: Molodavia; Ukraine; Belorusssia: RSFSSR

Biological control
Neapectana sp., pathogenicity tests in potato cutworms: Jullundur (Punjab)

Biological control
entomopathogens, including Microsporidia and Nematoda, interactions in mixed infections in one insect organism. review

Biological control
morphogenetic effects of precocene II on immature stages of Rhodinus prolirus

Biological control
Boophilus microplus, 6 grass species analysed for anti-tick deterrent properties

Biological control
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[Wohlfahrtia] myiasis, sheep, treatment with Bacillus thuringiensis exotoxin as dust

Biological control
Torii, T., 1975, JIBP Synthesis, v. 7, 87-88
Neapectana carpocapsae, MD-136 strain and associated bacterium as biological control agents against rice stem-borers

Biological control
Veremchuk, G. V., 1972, Parazitologiya, Leninograd, v. 6 (4), 376-380
Neapectana carpocapsae agriotos, mass rearing techniques

Biological control
Neapectana carpocapsae agriotos, host and environmental factors limiting infection of insects

Biological control
Romanomermis culicivorax assessed with other biological control agents against mosquito and gnat larvae: northern California

Biological control
Stagnicola palustris, Lymnaea tomentosa, laboratory rearing of Dictya umbrarum for control of intermediate host snails

Biological control
Nosema fumiferanae, feeding additional microsporidian spores to naturally infected Choristoneura fumiferanae enhances adverse effects

Biological control
feeding of Pleistophora schubergi to Choristoneura fumiferanae naturally infected with Nosema fumiferanae results in greater adverse effects on budworms than either parasite alone, may play useful role in biological control

Biological control
Nosema fumiferanae, Pleistophora schubergi, incidence of infection in spruce budworm (Choristoneura fumiferanae) 1 and 2 years after application of microsporidian spores to trees: Ontario

Biological control
Nosema fumiferanae, Pleistophora schubergi, control of Choristoneura fumiferanae by spraying spruce and balsam fir trees with spores: Ontario
Biological control
Romanomermis culicivorax, effects of selected insecticides on parasitic, parasitotic, and postparasitic stages and eggs, data indicate that R. culicivorax could be used in an integrated mosquito control program provided application of insecticides was carefully monitored

Biological control
Dixinema peterseni, laboratory reared, successfully established in field populations of Anophelles, continuous introduction of nematode not required to maintain infections, seasonal variation of parasite activity: southwest Louisiana

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Bladder. See Urine and urinary tract.

Blindness. See Eye.

Blood. [See also Anemia; Cardiovascular system; Disease transmission, Blood; Eosinophilia; Hemoglobin; Hemorrhage]

Blood
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Fasciola sp., rabbits, acute and chronic phases of infection, hematological changes

Blood
Altaif, K. I.; and Dargie, J. D., 1978, Parasitology, v. 77 (2), 161-175
Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysiological response of sheep to moderate primary infection, concluded that genetic resistance operated primarily against worm establishment and was probably controlled by the immune response elicited, in heavy infections there was no correlation between worm establishment and haemoglobin type

Blood
Altaif, K. I.; and Dargie, J. D., 1978, Parasitology, v. 77 (2), 177-187
Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysiological response of sheep to re-infection (either after primary infection was terminated with anthelmintic or challenge superimposed on existing adult infection), patterns of worm establishment and disease indicated that genetic factors operated in determining resistance, breed but not haemoglobin type appeared to be of some significance in 'self-cure'

Blood
Aminzhanov, M., 1977, Veterinariia, Moskva (12), 86-88
echinococcosis, sheep, hematological changes, relationship to stage of parasite development, number of reinfections, and duration of infection

Blood
Haemonchus contortus outbreak, Nigerian dwarf ewes and lambs, haematological observations before and after treatment with thiabendazole: Nigeria

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seasonal variations in blood picture of white Fulani calves naturally exposed to helminthiasis, effect of pyrantel tartarate treatment, results indicate that low hematological values in African cattle are not inherited characteristic but are rather due to seasonal effects of parasitism and nutrition inherent in indigenous husbandry practices

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Gaigeria pachyscelis, sheep, goats (exper. in all), clinical signs, haematological picture, cause of death

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Fasciolopsis buski, schoolchildren, serum vitamin B12, serum and red cell folate, serum vitamin B12 and serum folate binding proteins, vitamin B12 absorption

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Schistosoma mansoni, free amino acid pools of adult male and female worms and worm pairs and of host (mouse) hepatic portal plasma

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Angiostrongylus cantonensis, rats, small primary infection followed by challenge infection at various periods, worm burden, haematological and serological response

Blood
Augustine, P. C.; and Thomas, O. P., 1979, Avian Dis., v. 23 (4), 854-862
Eimeria meleagrimitis, turkeys (exper.), reduced feed consumption and weight gains, blood and organ changes

Blood
Autuori, M. J., 1979, Experientia, v. 35 (12), 1579-1580
Plasmodium berghei-infected mice, relationship between host erythrocyte mean cytoplasmic protein concentration, reticulocyte response, and percent parasitemia
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Trypanosoma evansi, buffaloes (exper.), course of disease, symptoms, haematological values, gel precipitin tests; serological test necessary follow-up for negative blood smear

Blood
Barriga, O. O.; and Arnoni, J. V., 1979, Exper. Parasitol., v. 48 (5), 407-414
Eimeria stiedae in Oryctolagus cuniculus, pathological effects produced by graded infections: body weight, fecal output, serum glutamic pyruvic and serum oxalacetic transaminases, bilirubinemia, lipemia, glycemia, proteinemia, mortality, carcass and liver weights

Blood
Schistosoma mansoni, human, determination of elastase in blood platelets and the role of elastase in granuloma formation in lungs

Blood
Beier, T. V.; and Sidorpenko, N. V., 1972, Parazitologiya, Leningrad, v. 6 (4), 385-390
Haemogregarine-infected erythrocytes of L. certa armeniaca and L. saxicola naisiensis, changes in hemoglobin and total protein content

Blood
Fasciola hepatica, sheep (exper.), pathophysiology: influence of dietary protein and iron on erythrokinetics

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Ostertagia circumcincta, lambs, single infection of 50,000 or 400,000 larvae, clinical and haematological changes

Blood
Ostertagia circumcincta, sheep infected with larvae stored at low temperature, pathophysiological changes (body weight, blood picture, serum proteins), effectiveness of infection and percent of larvae inhibited in development

Blood
Bhopale, M. K.; and Johri, G. N., 1979, J. Hyg., Epidemiol., Microbiol., and Immunol., v. 23 (1), 95-105
Anycylostoma caninum, mice (exper.), single and repeated exposures, serum protein patterns

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Malaria, gene for erythrocyte glucose-6-phosphate dehydrogenase deficiency in heterozygous females confers advantage against malaria: Nigeria

Blood
Intestinal parasites, children from Vietnam-Cambodia at and after arrival in Denmark, α, ω-acid glycoprotein, α₂-antitrypsin, and ceruloplasmin concentrations, eosinophilia, sedimentation rates, effect of T.A.B.-cholera vaccination

Blood
Incidence of multiple feeding by Anopheles gambiae; strong correlation between anthropob globinemia and malaria infections in villagers: Barma, Garki District, Kano State, Nigeria

Blood
Trypanosoma brucei, rabbits, role of urinary and plasma kallikreins in pathogenesis, immune complexes

Blood
Borgsteede, F. H. M.; and Hendriks, J., 1979, Parasitology, v. 78 (3), 331-342
Cooperia oncophora, calves (exper.), single infections with 2 graded doses of larvae, weight gains, egg output, haematology, worm counts and host reaction against worm burden, worm measurements, distribution of worms in small intestine

Blood
Plasmodium berghei, isolation of lytic factor which induces hemolysis of erythrocytes of mice and hamsters, lipid composition, possible role in pathogenesis of malaria

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Schistosoma mansoni, differences in susceptibility to infection related to human blood types

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Ascaridia galli, chickens (exper.), hematologic observations

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Schistosoma mansoni, patients with hepatointestinal, compensated hepatosplenic, and decompensated hepatosplenic forms, plasma free cholesterol and cholesterol ester concentrations

Blood
Coelho, L. C. B. B.; and Gillett, M. P. T., 1979, Biochem. Soc. Tr., v. 5 (5), 988-990
Schistosoma mansoni, human, hepatosplenic, effect of splenectomy on plasma phosphatidylcholine-cholesterol acyltransferase activity and on blood lipids
Blood

Commonwealth Institute of Helminthology, [1980 ?], Annot. Bibliogr. (HS4), 8 pp. helminths and blood groups

Blood


Blood

Coop, R. L.; Sykes, A. R.; and Angus, K. W., 1979, Vet. Parasitol., v. 5 (2-3), 261-269 Cooperia oncophora, calves given daily doses of larvae, faecal egg count, worm burden, liveweight gain and food intake, serum constituents, bone chemical analyses, intestinal pathology

Blood

Cornile-Brégger, R.; et al., 1979, Ann. Trop. Med. and Parasitol., v. 73 (2), 173-183 malaria in normal subjects and those with sickle cell trait, determination of plasma immunoglobulins and antimalarial antibodies, findings suggest that during infancy early phagocytosis of parasitized cells led to enhanced processing of antigen and hence earlier immune response to sickle cell trait

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Blood

Crompton, D. W. T.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (2), 195-199 Nippostrongylus brasiliensis infections in protein-deficient rats have important effects on pathophysiological changes usually ascribed to nature of diet, significant hematologic differences and changes in protein distribution as compared to uninfected rats fed ad lib or pair-fed on same protein-deficient diet

Blood

Cuperlovic, K.; Altaif, K. I.; and Dargie, J. D., 1978, Research Vet. Sc., v. 25 (1), 125-126 sheep with hemoglobin AA showed better antibody response to some non-parasitic antigens than those with hemoglobin BB, results indicate that greater resistance of the former sheep to gastrointestinal nematodes is a reflection of superior immunological competence

Blood

Dargie, J. D.; et al., 1979, Research Vet. Sc., v. 26 (2), 245-247 Trypanosoma brucei, Ndama and Zebu cattle (exper.), blood volumes and erythrokinetics, susceptibility differences between breeds

Blood

Dey-Hazra, A.; et al., 1979, Vet. Parasitol., v. 5 (4), 339-351 Strongyloides ransomi-infected piglets, protein synthesis changes in liver, glutathione status of liver, electrolyte concentrations in plasma, erythrocytes, and in different organs, plasma enzyme activities

Blood

Dimitrov, G.; Kunecheva, K.; and Georgiev, B., 1978, Vet. Med. Nauki, v. 15 (6), 92-100 Fasciola hepatica, sheep (exper.) on diets with 2 different levels of protein content, serum protein levels, numbers of worms established and reaching maturity

Blood

Doenhoff, M.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 260-273 Schistosoma mansoni in T-cell deprived vs. normal mice, parasitology (worm burdens, tissue and fecal egg counts), host hemopoesis (hematology, serum transaminase levels), ameliorating effect of administering homologous chronic infection serum or heterologous rabbit anti-S. mansoni egg antiserum, roles played by cell-mediated vs. humoral immune responses in reaction against schistosome egg products

Blood

Dubey, J. P.; et al., 1979, Vet. Parasitol., v. 5 (4), 325-337 Paragonimus kellicotti, dogs (peritoneal cavity, neural cavity, lungs) (exper.), migration and development, fecal diagnosis (sedimentation vs. McMaster technique), clinicopathological and hematologic data, radiologic findings, gross and microscopic pathology

Blood

Eckman, J. R.; et al., 1976, Tr. Ass. Am. Physicians, v. 89, 105-115 Plasmodium berghei-infected mice, vitamin E deficiency moderates severity of infections since premature oxidant-induced hemolysis of infected erythrocytes prevents orderly parasite maturation

Blood

El-Abdin, Y. Z.; Hamza, S. M.; and El Refaii, A. H., 1977, Egypt. J. Vet. Sc., v. 13 (2), 1976, 77-84 Theileria annulata, cattle, imidocarb dihydrochloride, serum enzyme activities and chemical constituents before and after treatment

Blood


Blood


Blood

Fabbia, F.; et al., 1979, Ann. Parasitol., v. 54 (1), 1-10 Plasmodium chabaudi-infected mice, increase in sialic acids, neutral hexoses, and fucose on surface of red blood cells, coincides with reticulocytosis
Blood
[Letter]
P[lasmodium] falciparum, no significant difference in frequency of ABO antigens between children with malaria and controls, confirms previous investigations: The Gambia

Blood
Onchocerca volvulus microfilaraemia discovered in 8 adult natives, microfilaraemia occurred in villages with highest microfilarial skin density, passage into blood thought related to skin allergy developing gradually

Blood
Sarcocystis cruzi-infected calves (exper.), pathophysiological changes in urine and blood, several specific effects beyond those induced by nutritional stress

Blood
Forsberg, C. M.; et al., 1978, Vet. Path., v. 16 (2), 229-242
Trypanosoma conglolense, calves, kinetics of blood coagulation

Blood
Plasmodium falciparum, α- and 8-thalassaemia trait red cells from adults, fetal red cells, and glucose-6-phosphate dehydrogenase deficiency red cells are refractory to parasite development because of oxidant sensitivity

Blood
Friedman, M. J.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 777-780
Plasmodium falciparum, in vitro cultures, host cell competence of abnormal hemoglobin-containing erythrocytes, evolutionary significance of results

Blood
Friedman, M. J.; et al., 1979, Exper. Parasitology, v. 47 (1), 73-80
Plasmodium falciparum, intraerythrocytic conditions in infected cells, changes which would alter sickling behavior of infected AS cells, potassium levels in sickled AS cells, effect of decreased potassium on parasite survival

Blood
Fasciola hepatica-infected calves, parasitological findings, erythrocyte counts, packed cell volume, hemoglobin, transferrin, iron, eosinophils, neutrophils, lymphocytes, total leukocytes, implications for etiology of anemia

Blood
Fasciola hepatica-infected and uninfected sheep treated and not treated with 3 fasciolicides (fasciolin, distolon, and zaril), blood serum levels of Ca, P, Na, K, and Mg

Blood
Fasciola hepatica-infected rabbits and sheep, white blood cell picture during course of infection

Blood
Gilhotra, A. P.; et al., 1979, Indian Vet. J., v. 56 (6), 466-469
Anaplasma marginale, splenectomized calves (exper.), blood proteins, bilirubin and icterus index, bone marrow changes

Blood
Schistosoma mansoni, mice, humans, alterations of plasma and erythrocyte lipids associated with hepatosplenic schistosomiasis, differences between the two host species, possible applications

Blood
Toxocara canis, patients with diagnostic ELISA titres vs. patients with presumed visceral larva migrans but less or no detectable antibody, clinical findings (including leucocytosis, eosinophilia, increased anti-A or anti-B isohaemagglutinin titre), elevated serum IgG level, epidemiological characteristics (age, sex, northern vs. southern residence, history of nica)

Blood
Trichinella spiralis, T. pseudospiralis, mice (exper.), percent composition of T and B lymphocytes in peripheral blood

Blood
Babesia argentina, acute cattle infection, cryofibrinogen complex in plasma contained proteins from erythrocytes and parasites plus fibrinogen and related proteins; analysis made using rabbit antisera against fractions of complex

Blood
Babesia bovis-infected splenectomized and intact calves, changes in fibrinogen, plasminogen, and IgG; in saline eluates from sucrose-washed erythrocytes and in plasma, relationship to coagulation, fibrinolysis, and blood agglutination

Blood
Goodger, B. V.; et al., 1978, Ztschr. Parasitenk., v. 58 (1), 3-15
Babesia bovis (argentina)-infected calves, cryofibrinogen complex in plasma, characterization, contribution to pathophysiology
SUBJECT HEADINGS

Blood
Goodger, B. V.; and Wright, I. G., 1977, Ztschr. Parasitenk., v. 53 (1), 53-56

BABESIA BIGEMINA, acute cattle infection, plasma contains fibrin in monomer and high molecular weight forms, fibrinogen degradation products not constantly detected, little or no evidence suggesting fibrinolysis or fibrin deposition; suggested that classic disseminated intravascular coagulation not present in B. bigemina infection

Blood
Goodger, B. V.; and Wright, I. G., 1977, Ztschr. Parasitenk., v. 54 (1), 9-27

BABESIA BOVIS-infected cattle, altered and activated coagulation system, coagulation parameters, fibrinogen catabolism, and fibrinolysis in intact and splenectomized cattle

Blood
Gorenflot, A.; et al., 1978, Ann. Pharm. Franc., v. 36 (5-6), 291-206

Plasmodium berghei, scanning electron microscopy, ionic etching of mouse erythrocytes using a cathodic evaporator permits visualization of parasitic penetration of erythrocyte membrane by invagination

Blood
Gorenflot, A.; et al., 1978, Ann. Pharm. Franc., v. 36 (7-8), 301-308

Plasmodium berghei-infected mouse erythrocytes, formation of myelin-like forms, light and scanning electron microscopy

Blood
Gorenflot, A.; et al., 1979, Ann. Pharm. Franc., v. 37 (7-8), 275-284

Plasmodium berghei, mice (exper.), cause-effect relationship between myelin-like form of erythrocytes and that of neutrophil granulocytes or monocytes which have phagocytized pigment grains

Blood
Gorenflot, A.; and Piette, M., 1977, Ann. Pharm. Franc., v. 35 (9-10), 337-342

Plasmodium berghei-infected mice, changes in red blood cell morphology after penetration and intracellular development of parasite

Blood

Schistosoma haematobium, possible relationships between infection and severe anemia, hemoglobin levels of adolescent boys particularly low in the presence of schistosomiasis: Kenya

Blood

Trypanosoma congolense, T. vivax, cattle, factors affecting blood sampling for parasitemia and anemia (diurnal variation; ear-vein vs. jugular-vein blood): The Gambia

Blood

Haemobartonella felis in cats (nat. and exper.), value of examining blood smear for diagnosis and prognosis: region of Toulouse

Blood

Plasmodium vivax, humans, possible association of disseminated intravascular coagulation and hyperuricaemia, improvement after chloroquine therapy

Blood
Anaplasma ovis, sheep (exper.), no apparent variation in blood sugar values observed during infection

Blood

Echinostoma revolutum, chickens, ducklings, mice, blood cell counts, hemoglobin picture, serum total proteins and their electrophoretic patterns, clinical pathology: Egypt

Blood

Eimeria stiedai, rabbits (exper.), alteration of serum enzyme activities

Blood

Trichinella spiralis, biochemical alterations in parasitized rats, findings of decrease in albumin, increase in alpha and beta globulins and in serum potassium

Blood

Histomonas meleagridis-infected turkeys, dynamics of protozoan population density, plasma glutamic oxalacetic transaminase, plasma bilirubin concentration, relationship to clinical symptoms

Blood

Plasmodium berghei, uninfected cells separated from infected mouse blood were cleared more rapidly than normal mouse erythrocytes after injection into normal mice

Blood

Gastrointestinal nematodes, ovine, epidemiology, effect on host growth and plasma pepsinogen levels: Limousin

Blood
Ilemobade, A. A.; and Blotkamp C., 1978, Tropenmed. u. Parasitol., v. 29 (4), 443-450

Eperythrozoon ovis, sheep (exper.), pathologic changes in blood picture, concurrent or superimposed infection with Trypanosoma vivax did not affect growth of either parasite

Blood

Dirofilaria, dogs with varying degrees of clinical severity, serum free cholesterol concentration, serum lecithin cholesterol acyltransferase activity, relationship to hepatic injury
Trypanosoma vivax-infected sheep, free plasma amino acid profiles of infected sheep and the trypanosome organism, significance of amino acid changes in terms of host and parasite metabolism.

Blood


Trypanosoma vivax-infected sheep, free plasma amino acid profiles of infected sheep and the trypanosome organism, significance of amino acid changes in terms of host and parasite metabolism.

Blood


Human malaria, erythrocyte glucose-6-phosphate dehydrogenase activity in infected and non-infected persons in endemic region: Sao Paulo (Izuan)

Blood


Schistosomes mansoni, mice, modulation of anti-thrombin and anti-fibrinolytic activities in tissue during development of granulomas.

Blood

Jablonowska, C.; and Jablonowski, Z., 1974, Acta Parasitol. Polon., v. 22 (221), 249-259

Ascaris suum and vitamin C deficiency, effect on levels of glucose and acid-soluble phosphate compounds in blood of guinea pigs.

Blood


Human trichinellosis, changes in white blood cell system and protein alterations in the course of infection.

Blood


Ostertagiosis, calves, serum levels of immunoglobulins, albumin, total protein, and pepsinogen.

Blood

Joerg, A.; et al., 1978, Experimentia, v. 34 (12), 1654-1656

Rapid and simple method for isolation of pure eosinophilic leukocytes from horse blood.

Blood

Kaaya, G. P.; et al., 1979, Tropenned. u. Parasitol., v. 30 (2), 230-235

Trypanosoma vivax, T. congolense, serum from infected cattle inhibited bovine granulocyte/macrophage colony formation in methyl cellulose culture, degree of inhibition appeared related to degree of parasitemia; no inhibitors of erythropoiesis were observed.

Blood


Trypanosoma congoense, goats, clinicopathological aspects with particular reference to pathogenesis of anemia, changes in peripheral blood and in bone marrow described in detail.

Blood

Kauishik, R. K.; and Sen, A. B., 1978, Indian J. Animal Sc., v. 48 (6), 444-449

Ascaridia galli, chicks (exper.), changes in total leukocyte counts during 8 week period.

Blood


Strongylosis, ruminants, diagnosis, blood pepsinogen levels.

Blood


Ostertagia ostertagi, cattle, serum pepsinogen levels in relation to worm burden and anthelmintic treatments.

Blood

Khovanskikh, A. E.; and Kuznetsova, N. A., 1975, Parazitologiya, Leningrad, v. 9 (1), 77-81

Eimeria tenella-infected chickens, intensity of C1-glycine inclusion into proteins of various organs, changes in total proteins and gamma-globulin in blood serum, correlation between increased biosynthesis of proteins in immunocompetent organs and increase in gamma-globulin in blood serum.

Blood

Kondo, K.; et al., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (3), 137-143

Toxocara canis larvae, mice (exper.), transitional changes of blood picture.

Blood


Plasmodium berghei normal and chloroquine-resistant strains, mice, comparative study of hematology, parasitemia curves, and mortality rate.

Blood


Echinococcus granulosus, effects on rats (plasmocyte reaction, antibody in serum, liver glycogen content, serum transaminase).

Blood

Kudriashova, Iu. V.; and Naumova, A. M., 1978, Veterinariia, Moskva (4), 76-78

Haemogregarina cyprini, carp, schizogonial stages in blood plasma and kidney smears, host blood values.

Blood


Protostrongylus spp. in sheep (exper.), changes in blood cells and proteins and protein fractions during course of infection as indication of host-parasite interrelationships and adaptations.

Blood

Kurlekar, N.; and Mehta, B. C., 1979, Indian J. Med. Research, v. 70, 206-208

Diagnostic accuracy of beta thalassemia trait based on haemoglobin-A2 levels in an individual or population not altered by the presence of malarial infections.

Blood


Theileria annulata, cattle (exper.), haematological study, toxic lesion of bone marrow caused aplastic anaemia.

Blood
SUBJECT HEADINGS

Blood

Plasmodium berghei-infected rats, serum urea and electrolyte levels

Blood

[Schistosoma] mansoni, human hepatosplenic form, absorption of fibrinogen does not differ from that of normal persons

Blood


Blood

Ascaridia galli-immunized chickens with vitamin A deficiency, lipoprotein and glycoprotein fractions of serum

Blood

Plasmodium vivax, high susceptibility of Duffy blood group-negative Aotus trivirgatus griseimembra

Blood

Cryptobia salmositica in Salmo gairdneri (exper.), plasma glucose and proteins and haematocrit levels during course of infection, changes produced in host metabolism will undoubtedly affect host growth and population size

Blood

Malaria, epidemiological aspects, symposium presentation: failure of eradication programs; malaria in pregnancy; interaction between parasite and human erythrocyte

Blood

Eimeria nieschulzi, rats, effect of infection on leukocyte levels

Blood

Mahajan, C. L.; et al., 1979, J. Fish Dis., v. 2 (6), 519-528
Isosporas hypslobagri-infected Channa punctatus, morphological, behavioural, biochemical, and haematological changes, possible human health hazard: reservoir (Khookas bundh) about 20 km north of Jaipur

Blood

Haemonchus contortus, pathogenesis and pathology in lambs (exper.): clinical observations, parasitological observations, haematological observations, pH level of abomasal fluid, necropsy findings; 'self cure' between days 10 and 14 closely related to heavy infiltration of abomasal mucosa by eosinophils

Blood

Human acute falciparum malaria, changes in serum protein patterns studied using polycrylamide gel electrophoresis, other blood biochemical parameters

Blood

Amoebic liver abscess, humans, serum protein patterns compared with those of patients with primary hemotoma using electrophoresis and immunoelctrophoresis, value in differentiating conditions

Blood

Trichinella spiralis, rats (exper.), pathological changes in blood calcium and parathyroid activity

Blood

Miller, L. H.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1069-1072
Plasmodium vivax, 13 American blacks infected while in Vietnam were all Duffy blood group positive, lends support to hypothesis that Duffy-negative genotype is basis for resistance of blacks to vivax malaria

Blood

Miller, L.; et al., 1979, J. Exper. Med., v. 149 (1), 172-184
Plasmodium knowlesi, interaction between cytochalasin B-treated merozoites and erythrocytes, attachment and junction formation, results suggest that defect in invasion of Duffy-negative RBCs is at the step of junction formation

Blood

Strongyloides westeri, ponies (exper.), foals and yearlings, comparisons of prepatent periods, haemoglobin values, and beta-globulin levels

Blood

Anaplasma marginale, case report, two crossbred cows (blood), clinical signs, hematological picture, pathology: Philippines
Blood
Neoaecaris vitulorum, guinea pigs (exper.), biochemical picture of blood

Blood
Monday, B. L., 1979, Vet. Parasitol., v. 5 (2-3), 129-155
Sarcocystis ovicanis, deleterious effect on growth rate and haematocrit in lambs, presence of antibodies (presumably colostral) against Sarcocystis did not appear to provide protection

Blood
gastro-intestinal parasites, sheep, influence of diet and parasitism on some blood components

Blood
Eimeria tenella, E. mitis, chickens, serum protein changes over course of infection

Blood
Musaev, M. A.; and Ibragimova, G. G., 1974, Parazitologiia, Leningrad, v. 8 (1), 70-75
Eimeria tenella, E. mitis, chickens (exper.), changes in lecithin content of blood serum at different stages of infection, extent of biochemical changes depends on pathogenicity of different species and host age

Blood
host-ectoparasite interactions, review: hematologic and clinical manifestations of infestation, arthropod antigens and host antibodies raised against them, manifestations of antigen-antibody interaction, histopathologic reactions of skin to arthropod feeding and acquired resistance to arthropods, genetics of host resistance, economic effects of parasitism, speculation on nature of innate and acquired resistance

Blood
Plasmodium falciparum, woman, intense parasitemia, deepening coma, and acute renal failure, exchange transfusions as useful adjunct to conventional chemotherapy, numbers of infected circulating erythrocytes reduced: United States, had previously travelled in Ghana

Blood
Schistosoma mansoni, hepatic form, survey of racial admixture and haploglobinemia, Negroes have higher resistance to development of severe infection than do other racial groups: Brazil

Blood
Nurse, G. T., 1979, Lancet, London (8149), v. 2, 938-940
humans with thalassaemia, role of iron in host tissue as protective mechanism against Plasmodium infections

Blood
Nippostrongylus brasiliensis-infected rats, peripheral blood leucocyte response with special reference to basophils and their possible role in worm expulsion

Blood
acute and chronic nematodiasis, sheep, changes in blood values: northern Guinea savanna of Nigeria

Blood
nematodes, calves (Holstein x Zebu, exper.), electrophoresis of serum protein (total and fraction) changes

Blood
Omoole, T. A.; and Onawummi, O. A., 1979, Ann. Parasit., v. 54 (5), 495-506
Trypanosoma brucei-infected immunized and non-immunized rabbits maintained on diets with different levels of copper, growth and carcass performance, blood constituents

Blood
Onabanjo, A. O., 1978, Agents and Actions, v. 8 (1-2), 139-140
Plasmodium knowlesi in Macaca mulatta, plasma kinin concentration, physiopathological effects of kinin extracts from blood of infected monkeys when injected intradermally into guinea pigs

Blood
Ononogbu, I. C.; and Eleazu, C. N., 1979, Research Vet. Sc., v. 27 (1), 123-124
tick-infested N'dama cattle, plasma phospholipid changes

Blood
males of 3 ethnic groups and 3 age groups inhabiting same locality, haematological status (including anemia), spleen and liver enlargement, immunoglobulin status, malaria parasite rates, other parasite infections, possible associations between these and other factors (including nutrition, sickle cell trait, altered immune response to malaria): Northern Nigeria

Blood
Schistosoma mansoni, mice, plasma and erythrocyte lipid concentrations, plasma lecithin:cholesterol acyltransferase activity
Blood
Plasmodium falciparum, hemoglobin S has detrimental effect on parasite proliferation, this involves both invasion into red cell and growth once inside and requires conditions of low oxygen tension, actual sickling of cells concerned is not necessary, provides explanation for protection of sickle cell heterozygotes against P. falciparum malaria and thus for high frequency of sickle-cell gene in parts of world where malaria is or has been endemic

Blood
Pasvol, G.; Weatherall, D. J.; and Wilson, R. J. M., 1979, Vlaams Diergeneesk. Tijdschr., v. 47 (5), 217-223
Poelvoorde, J.; and Berghen, P., 1979, Vlaams Diergeneesk. Tijdschr., v. 48 (3), 217-223

Blood
Schistosoma mansoni, humans with Symmer's fibrosis, significantly higher frequency of blood group A than blood group O: Brazil

Blood
Oesophagostomum dentatum, pigs (exper.) on low-protein diet, blood changes, weight differences

Blood
Poelvoorde, J.; and Berghen, P., 1979, Vlaams Diergeneesk. Tijdschr., v. 48 (4), 283-289
Oesophagostomum dentatum, pigs (exper.), blood plasma mineral and enzyme levels

Blood
Poelvoorde, J.; and Berghen, P., 1979, Vlaams Diergeneesk. Tijdschr., v. 48 (4), 290-298
Oesophagostomum dentatum, pigs (exper.), hematological and serological changes during repeated infections

Blood
Theileria hirci, carrier sheep, parasite counts and haematological observations before and after splenectomy

Blood
Preston, J. M.; and Allonby, E. W., 1979, Research Vet. Sc., v. 26 (2), 140-144
Haeomonchus contortus, sheep, influence of haemoglobin phenotype on susceptibility to infection: Kenya

Blood
Trichinella pseudospiralis, conventional and germfree mice, effect of intestinal flora on course of infection and haematological changes

Blood
Toxocara canis, mice, intravital diagnosis of early larva migrans, serological and haematological tests, histopathological changes in tissues, numbers of larvae detected in various internal organs

Blood
Ascaris suum, pigs, blood changes: hyperneutrophilia, lymphopenia, changes in K, Na and Ca, macrocytic hypoglobulinic anemia; eosinophilia due to enzyme released by moulting between third and tenth day of infection

Blood
Rajasekariah, G. R.; and Howell, M. J., 1979, J. Parasitol., v. 65 (4), 481-487
Fasciola hepatica, rats, transfer of immunity by serum and cells from infected to naive animals, hematological and precipitating antibody responses of recipients

Blood
Eimeria parva, E. ninakohlyakimovae, sheep (exper.), blood values 11th day post-infection

Blood
Piroplasma canis, dogs, clinical pathology, particular reference to haemogram

Blood
Dicrocoelium lanceolatum, Echinococcus granulosus, sheep, changes in serum enzymes and proteins and blood bilirubin and cholesterol

Blood
Ratynska-Prill, D., 1975, Acta Parasitol. Polon., v. 23 (26-40), 403-415
Strongyloides papillosus, goats, primary infection and reinfections, white blood cell picture

Blood
Dictyocaulus filaria, sheep (exper.), serum 5-hydroxytryptamine level remains nearly the same throughout different stages of infection
Blood
Toxoplasma gondii, human, seroepidemiological survey, grove relation to geographic region, age, sex, rural vs. urban residence, skin color, blood group, occupation, contact with animals: Brazil

Blood
Hypoderma bovis, pathogenesis in cattle, content of salicylic acid, protein, and proteins in blood serum during course of complete cycle of infection

Blood
Romestand, B., 1979, Ann. Parasitol., v. 54 (4), 423-448
Cymothoidea of teleost fish, hematothogy, host immune response, biochemical, histological, haematological, and biometrical (growth) changes in infected hosts

Blood
Romestand, B.; and Trilles, J. P., 1977, Ztschr. Parasitenk., v. 52 (1), 91-95
Anilocra physodes, Meinertia eostroides, Emetha audouini, teleost fishes, blood values, anemia, hypertrophy and hypervascularization of spleen: Herault, France

Blood
Rose, M. E.; Hesketh, P.; and Ogilvie, B. M., 1979, Immunology, v. 36 (1), 21-79
Eimeria maxima, chickens, E. nieschulzi, rats, primary and secondary infections, E. maxima-immunized chickens challenged with E. acervulina: peripheral blood leucocyte response, correlation with resistance to reinfection

Blood
Roth, E. F., jr.; et al., 1978, Science (4368 [error as 4365 on cover]), v. 202, 650-652
Plasmodium falciparum, increased sickling propensity of infected red cell under conditions of total and partial deoxygenation in vitro, results lend support to concept that heterozygotes for HB S in malarial region may have improved fitness for survival which in turn maintains balanced polymorphism for HB S gene

Blood
Roth, R. L.; and Herman, R., 1979, Exper. Parasitol., v. 47 (2), 169-170
Plasmodium berghei, correlation of in vitro erythropagocytosis with dynamics of early-onset anemia and reticuloctyosis in mice

Blood
Fasciola hepatica, sheep, cattle (both exper.), bodyweight, blood and plasma analyses, emphasis on use of plasma enzyme levels to detect and monitor liver damage and to assess efficacy of diaminophenidine against immature flukes

Blood
Ruff, M. D.; Wyatt, R. D.; and Witlock, D. R., 1978, J. Parasitol., v. 64 (1), 23-26
Eimeria spp. in broilers, severe infection increased prothrombin times compared with uninfected birds

Blood
Eimeria tenella, chicks (exper.), blood changes during course of infection

Blood
intestinal parasites, dogs, prevalence, distribution by age group, blood picture: Zaria, Nigeria

Blood
Schalm, O. W., 1979, Canine Pract., Santa Barbara, v. 6 (6), 46-49
Trypanosomiasis, Leishmania donovani, and other uncommon blood disorders, dogs, case reports

Blood
Trichinella spiralis, mice, guinea pigs, serum creatine-phosphokinase activity not useful for diagnosis

Blood
Anaplasma marginale in Bubalus bubalis (exper.), clinical course, haematological changes, effect of immunosuppressants

Blood
Haemonchus contortus, sheep (exper.), influence of diet and parasites on copper, iron, and zinc in blood serum

Blood
Anaplasma, cattle and sheep (both exper.), blood changes before and after treatment with terramycin injectable solution

Blood
Setaria cervi, Onchocerca armillata, buffaloes, clinical, hematological, and blood biochemical studies. efficacy of anthimaline

Blood
Ostertagia circumcincta, sheep, parasitological, clinical, and hematological changes after multiple infections especially in relation to inhibition of larval development

Blood
Plasmodium falciparum, P. vivax, human (Duffy blood group positive and negative, black and white), indirect fluorescent antibody titers, slide-demonstrated infection rates, Duffy negative genotype appears to be factor in resistance to P. vivax: Honduras
SUBJECT HEADINGS

Blood
Stacey, B. R.; et al., 1978, J. Econom. Entom., v. 71 (6), 967-970
Amblyomma maculatum, Hereford and Brahman steers, drylot conditions, weight gains and blood parameters, comparison between breeds and infested and uninfested steers

Blood
Viviparus contectus males infected with Neocanthonophirumadinus echinatoidea metacercariae and females infected with Cercaria adiposa, changes in blood proteins, agar gel electrophoresis

Blood
Trichinella spiralis, mice, biochemical pathology: changes in liver and muscle glycoprotein and some blood chemical parameters

Blood
Stewart, G. L.; et al., 1978, Exper. Parasitol., v. 45 (2), 287-297
Trichinella spiralis-infected mice, alterations of blood chemistry, relation to pathophysiologic lesions occurring in gut and muscles of trichinous host

Blood
E[imeria] tenella, broiler chickens, varied temperature and moisture regimes, blood biochemistry, host resistance, efficacy of pancoxin plus

Blood
falciparum and vivax malaria, blood coagulation studies compared, brief note

Blood
Sutton, R. H., 1979, Vet. Parasitol., v. 5 (1), 11-15
Eperythrozoon ovis, effect of infection on reductive potential of sheep erythrocytes

Blood
Leishmania donovani, human, erythrocytic enzymes inhibited, haematological changes, normalization following sodium antimony gluconate therapy

Blood
Trichostrongylus vitrinus, sheep (exper.), chronic infection, food intake and body weight gains, food digestibility, body composition, bone chemistry and histology, serum constituents

Blood
Trypanosoma-infected fishes, lowered serum cholesterol levels, possible causes

Blood
Trypanosoma cruzi, children with apparent vs. inapparent acute Chagas' disease, clinical and laboratory findings, humoral antibody response, delayed-type skin responses, inhibition of leukocyte migration, serum proteins and immunoglobulins; demonstration of cell-mediated immunodepression in inapparent acute disease

Blood
Trypanosoma brucei, characterization of second class of hemolysins as free fatty acids

Blood
Tragle, K. L.; et al., 1979, Parasite Immunol., v. 1 (2), 133-140
Schistosoma mansoni, S. haematobium, school children, prevalence and severity of infection in relation to blood group type and ability to secrete blood group antigens: Swaziland

Blood
Valli, V. E. O.; Forsberg, C. N.; and Lumsden, J. H., 1979, Vet. Path., v. 16 (1), 96-107
Trypanosoma congolense, calves (exper.), pathogenesis, neutropenia, myeloid response

Blood
Ascaris lumbricoides, unfertilized ova and fragments, man (peripheral blood, feces)

Blood
Trypanosoma evansi, buffalo and cow calves (both exper.), clinical findings, parasitaemia, hematological changes

Blood
Falciparum malaria, haemostatic defect in non-immune patients, no evidence of diffuse intravascular coagulation (DIC), heparin not used and all recovered without residual symptoms; heparin administration should probably be considered only when clear-cut DIC has been demonstrated

Blood
Wellide, B. T.; et al., 1978, Exper. Parasitol., v. 45 (1), 26-33
Trypanosoma congolense, cattle (exper.), thrombocytopenia, effects of parasite concentration, curative berenil therapy, and immune status on thrombocyte levels; coagulation abnormalities

Blood
Williams, R. E.; Hair, J. A.; and McNew, R. W., 1978, J. Parasitol., v. 64 (2), 336-342
Amblyomma maculatum on pastured Hereford steers, effects of tick infestation on blood composition and weight gain
Blood transfusion. See Blood; Disease transmission, Blood.

Body location. See Localization.

Body wall. See Parasite surfaces.

Bolivia
De Muynck, A.; and Silva de Lagrava, M., 1977, Bol. Chileno Parasitol., v. 32 (3-4), 71-72
intestinal parasites of school children: Yapacani, Bolivia (Ascaris lumbricoides; Anquilostoma sp.; Trichuris trichiura; Strongyloides stercoralis; Hymenolepis nana; Taenia sp.; Entamoeba histolytica; Giardia lambia; Entamoeba coli; Chilomastix mesnili; Endolimax nana; Iodamoeba buetschlii)

Bone. [See also Musculoskeletal system]

Bone
Alvarez Cambras, R.; et al., 1973, Rev. Cubana Cirug., v. 12 (4-6), 457-467
Echinococcus granulosus, human, case report, involvement of hip and pelvic bones, presentation with symptoms of chondrosarcoma, surgical management: Cuba

Bone
human echinococcosis with primary localization in pelvic bone, discussion of clinical case: Spain

Bone
Trichostrongylus vitrinus, sheep (exper.), chronic infection, food intake and body weight gains, food digestibility, body composition, bone chemistry and histology, serum constituents

Bone
Teymoorian, G. A.; and Bagheri, F., 1976, Radiology, v. 118 (1), 97-100
human echinococcosis of skull, clinical case reports, value of radiologic diagnosis, incidence most common in young males

Borneo (Kalimantan). See Indonesia, Borneo.
Brain. [See also Nervous system]

Brain


Toxoplasma gondii, affinity of 4 strains to mice brains over other organs

Brain

Jennings, F. W.; at al., 1979, Internat. J. Parasitol., v. 9 (4), 381-384

Trypanosoma brucei, brain as source of relapsing infection in mice after benenil chemotherapy

Brain

Lal, A. A.; and Garg, N. K., 1979, Exper. Parasitol., v. 48 (3), 331-336

Hartmannella cumbertsoni, meningoencephalitic mice, biochemical changes in brain

Brain


Hartmannella cumbertsoni, mice, experimental amoebic meningoencephalitis, gross biochemical changes in brain

Brain

Rest, J. R.; and Wright, D. H., 1979, J. Path., v. 127 (3), 115-120

Plasmodium berghei-infected Mesocricetus au- ratus, cerebral lesions, transmission and scanning electron microscopy, hypothesized that pathogenesis relates to immune complex formation

Brain


Ascaridicae [sp.] in Alectores graeca chukar (brain), histologic changes, source of infection speculated: suburb of Washington, D.C.

Brazil


Survey of deposits under fingernails of children, possible means of disseminating parasitic infections: bairro de Nova Descoberta (Natal, RN)

(Enterobius vermicularis; Ancylostomidae; Trichocephalus trichiurus; Entamoeba histolytica; E. coli; Giardia lamblia; Ascaris lumbricoides)

Brazil


Prevalence of helminths in cats, incidence survey in Goiania, Brazil

(Ancylostoma caninum; Ancylostoma braziliense; Physaloptera praepatentibus; Dipylidium caninum; Toxocara cati; Pseudophyllidea; Aelurostrongylus abstrusus; Acantocephalos; Hydatigera taeniaeformis)

Brazil

Carneiro, J. R.; et al., 1977, Rev. Patol. Trop., v. 2 (4), 401-404

Helminths of stray dogs, incidence survey: Goiania, Brazil

(Ancylostoma caninum; A. brasiliensis; Toxocara canis; Strongyloides stercoralis; S. pirocerca lupi; Dipylidium caninum)

Brazil


Survey, human intestinal parasites occurring with Entamoeba histolytica: 3 geographical areas of Brazil

(Entamoeba hartmanni; Schistosoma mansoni; A. lumbricoides; ancilostomideos; S. stercoralis; T. trichiurus)

Brazil


Survey, incidence of intestinal parasitism in residents of Goiania, Brazil

(Schistosoma mansoni; ancilostomideos; Giardia lamblia; Entamoeba coli; E. histolytica; Strongyloides stercoralis; Ascaris lumbricoides; Trichocephalus trichiurus; Taenia sp.; Enterobius vermicularis; Hymenolepis nana)

Brazil


Survey of local waters for parasite contamination and of human feces for parasite infections: distrito de Florianopolis, State of Catarina, Brazil

(Strongyloides stercoralis; ancylostomiasis; Ascaris lumbricoides; Trichuris trichiura; Taenia sp.; Balantidium coli; Giardia intestinalis; Entamoeba coli; Endolimax nana)

Brazil


Prevalence survey, intestinal parasites in school children 7-14 years of age: Salvador, Brazil

(Ascaris lumbricoides; Trichocephalus trichiurus; ancilostomideos; Schistosoma mansoni; Enterobius vermicularis)

Brazil


Survey, intestinal protozoa, children in suburban areas of Plataforma and Periperi, Salvador, Bahia, Brazil

(Entamoeba histolytica; E. coli; Endolimax nana; Iodamoeba butschlii; Giardia lamblia; Chilomastix mesnili)

Brazil


Incidence survey, endo- and ectoparasites of domestic cats and pigeons from localities of Minas Gerais

(Pelis catus domesticus; (Ctenocephalides felis; Platynosomum fastosum; Toxocara sp.; Dipyilidium caninum; Pseudophyllidea; Phy- saloptera praepatentibus; Ancylostoma braziliense; A. caninum; Hydatigera taeniaeformis)

Columbia livia; (Columbicola columbae; C[apilibra] colombae; A[scaridia] colombae)
Brazil
prevalence survey for intestinal parasites of inhabitants of Vila Vieira in the city of
Araraquara, Brazil
(Ascaris lumbricoides; anciostomideos; Tricho
cephalus trichiurus; Hymenolepis nana; Taenia
sp.; Strongyloides stercoralis; Enterobius
vermicularis; Schistosoma mansoni; Entamoeba
coli; Endolimax nana; Iodamaeba buetschii;
Giardia lambia)

Brazil
Lustosa, E. de S.; et al., 1973, Rev. Patol. Trop., v. 2 (4), 397-399
ectoparasites of stray dogs in Goiania, Brazil
(Ctenocephalides felis felis; Pulex irritans;
Nosopsyllus fasciatus; Heterodexus longitar-
sus; Linognathus setosus; Rhipicephalus
sanguineus)

Brazil
Martins, W., jr.; and Freitas, M. G., 1975,
Arq. Escola Vet. Univ. Fed. Minas Gerais,
v. 27 (3), 309-324
helminth parasites, domestic animals, check-
list: Brasilia, DF and other regions of
State of Goias, Brazil

Brazil
de Melo, H. J. H.; and Ribeiro, H. S., 1977,
Arq. Escola Vet. Univ. Fed. Minas Gerais,
v. 29 (2), 161-164
check-list of helminth parasites, domestic
animals, literature and original survey,
1972-1976: State of Mato Grosso, Brazil

Brazil
Montoril, M., filho; Ferraroni, J. J.; and
v. 8 (1), 91-98
social, parasitologic, and sanitary survey
of inhabitants of Nova Olinda do Norte, State of
Amazonas, Brazil
(Ascaris lumbricoides; Trichocephalus trichi-
urus; anciostomideos; Strongyloides stercor-
alis; Enterobius vermicularis; Entamoeba
histolytica; E. coli; Giardia lambia; Endoli-
mex nana; Chilomastix mesnili)

Brazil
Moretti, I. G.; et al., 1974, Rev. Soc. Brasil.
Med. Trop., v. 8 (1), 41-44
prevalence survey for enteroparasites in
children from local orphanage using 5 copro-
logical techniques: Londrina, Parana, Brazil
(Ascaris lumbricoides; Ancilostomaydae; Tricho-
cephalus trichiurus; Hymenolepis nana; Enter-
obius vermicularis; Strongyloides stercor-
alis; Schistosoma mansoni; Taenia sp.;
Giardia lambia; Entamoeba histolytica; E.
coli; Endolimax nana; Iodamaeba buetschii)

Brazil
Pereira, E., 1973, Rev. Patol. Trop., v. 2 (1),
55-61
survey, gastrointestinal nematodes, calves
from 4 local farms in the region of Dourados,
Goias
(Cooperia; Haemochus; Strongyloides; Oesoph-
agogostomum; Trichostrongylus; Trichiurus)

Brazil
Perez, M. D.; et al., 1975, Rev. Farm. e Bio-
quim. Univ. Sao Paulo, v. 13 (2), 401-415
parasitological survey with emphasis on incidence
of Schistosoma mansoni and its possible
vectors: district of Cajati, State of Sao
Paulo, Brazil
(Entamoeba sp.; E. histolytica; E. coli;
Endolimax nana; Iodamaeba buetschii; Giardia
lambia; Chilomastix mesnili; Strongyloides
stercoralis; Ankylostomidae; Ascaris lumbru-
coides; Trichuris trichiura; Enterobius ver-
icularis; Schistosoma mansoni; Taenia sp.;
Hymenolepis nana)

Brazil
Perez, M. D.; Artigas, P. de T.; and de Lollo,
(3), 167-176
survey for human enteroparasites in 2 areas
of differing socio-economic conditions; pre-
viously obtained data on dispersion of Tria-
tominae and Planorbidae vectors compared
with parasite findings: Braganca Paulista
City, Sao Paulo State, Brazil
(Entamoeba histolytica; Giardia lambia;
Entamoeba coli; Endolimax nana; Iodamaeba
buetschii; Strongyloides stercoralis; Ankylostomidae; Ascaris lumbru-
coides; Trichuris trichiura; Enterobius ver-
icularis; Schistosoma mansoni; Taenia sp.;
Hymenolepis nana)

Brazil
Pinheiro, M. de F. da S.; et al., 1977, Acta
Amazonica, v. 7 (4), 503-506
intestinal parasites of children: Manaus,
Amazonas, Brazil
(Trichocephalus trichiuris; Ascaris lumbru-
coides; Ankylostomidae; Strongyloides ster-
coralis; Enterobius vermicularis; Entamoeba
coli; Giardia lambia; Iodamaeba buetschii;
Entamoeba histolytica)

Brazil
Rodrigues, E. C.; et al., 1972, Rev. Saude
Pub., S. Paulo, v. 6 (4), 343-350
survey, health conditions of elementary
school children, 89.4% of children examined
had intestinal parasites, correlation with poor
sanitation and living conditions: Sao
Paulo City, Brazil
(Ascaris lumbricoides; Trichocephillus trichi-
urus; Giardia lambia; Ancilostoma duodenale;
Strongyloides stercoralis; Enterobius vermicu-
laris; Hymenolepis nana; Taenia; Entamoeba
histolytica; E. coli; Schistosoma mansoni)

Brazil
Salata, E.; et al., 1977, Rev. Saude Pub., S.
Paulo, v. 6 (4), 385-392
survey, prevalence of human intestinal para-
sites: Cecap, Botucatu County, Sao Paulo
State, Brazil
(Entamoeba histolytica; E. coli; Iodamaeba
buetschii; Giardia lambia; Ankylostomidae;
Strongyloides stercoralis; Trichuris trichi-
ura; Ascaris lumbricoides; Enterobius vermi-
cularis; Hymenolepis nana; Taenia sp.)

Brazil
Satake, T.; Marques, J. R.; and Cicillini, G.
A., 1976, Rev. Fac. Farm. e Odont. Ribeirao
Preto, v. 13 (2), 147-150
occurrence of intestinal parasites in school
children in Pitangueiras, Sao Paulo, Brazil
(Giardia lambia; anciostomideos; A. lumbru-
coides; T. trichiura; S. stercoralis; H.
nana; E. vermicularis; S. mansoni; Taenia sp.)
Breeds
Altaif, K. I.; and Dargie, J. D., 1978, Parasitology, v. 77 (2), 161-175
Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysiological response of sheep to moderate primary infection, concluded that genetic resistance operated primarily against worm establishment and was probably controlled by the immune response elicited, in heavy infections there was no correlation between worm establishment and haemoglobin type

Breeds
Altaif, K. I.; and Dargie, J. D., 1978, Parasitology, v. 77 (2), 177-187
Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysiological response of sheep to re-infection (either after primary infection was terminated with anthelmintic or challenge superimposed on existing adult infection), patterns of worm establishment and disease indicated that genetic factors operated in determining resistance, breed but not haemoglobin type appeared to be of some significance in 'self-cure'

Breeds
Theileria parva, European breeds of cattle, clinical and pathological picture of East Coast fever: Uganda

Breeds
Fasciola gigantica, cattle, influence of breed and age on prevalence, abattoir survey: Kenya

Breeds
Ascaridia galli, chickens (exper.), age and breed resistance

Breeds
Demodex canis, dogs, incidence in relation to season, host age, sex, and breed, clinical manifestations, in vivo and in vitro activity of several acaricides: India

Breeds
Haemonchus contortus-infected sheep, genetic resistance, cigaja breed more resistant to infection than merino breed

Breeds
Dargie, J. D.; et al., 1979, Research Vet. Sci., v. 26 (2), 243-247
Trypanosoma brucei, Ndama and Zebu cattle (exper.), blood volumes and erythrokinektics, susceptibility differences between breeds

Breeds
Dargie, J. D.; et al., 1979, Parasitology, v. 78 (3), 271-286
Trypanosoma congolense-infected Ndama and Zebu cattle, red cell kinetics, concluded that anaemia and its underlying processes are broadly in line with number of parasites in blood and that superior resistance of Ndama cattle lies in ability to control parasitemia rather than capacity to mount more efficient erythropoietic response

Breeds
Dargie, J. D.; et al., 1979, Research Vet. Sci., v. 26 (2), 243-247
Trypanosoma brucei, Ndama and Zebu cattle (exper.), blood volumes and erythrokinektics, susceptibility differences between breeds

Breeds
Genetic breeding of tick-resistant cattle: Australia

Breeds
Dargie, J. D.; et al., 1979, Research Vet. Sci., v. 26 (2), 243-247
Trypanosoma brucei, Ndama and Zebu cattle (exper.), blood volumes and erythrokinektics, susceptibility differences between breeds

Breeds
Griffin, L.; and Allonby, E. W., 1979, Vet. Parasitol., v. 5 (2-3), 97-105
Trypanosoma congolense, sheep, goats, susceptibility of various breeds to experimental infection

Breeds
Trypanosoma congoense, sheep, goats, susceptibility of various breeds to experimental infection

Breeds
Dictyocaulus viviparus, cattle, survey, regional and seasonal fluctuation, yearlings more susceptible to infection than other age groups, Korean native cattle more vulnerable than other breeds

Breeds
Cooperia spp., half size groups of Dutch Friesian calves (nat. and exper.), number and length of worms, egg output, serum antibodies, liveweight gain, concluded that within this breed genetic variation exists in resistance to Cooperia spp.

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Cooperia spp., half size groups of Dutch Friesian calves (nat. and exper.), number and length of worms, egg output, serum antibodies, liveweight gain, concluded that within this breed genetic variation exists in resistance to Cooperia spp.

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Cooperia spp., half size groups of Dutch Friesian calves (nat. and exper.), number and length of worms, egg output, serum antibodies, liveweight gain, concluded that within this breed genetic variation exists in resistance to Cooperia spp.

Breeds
Onchocerca gibsoni, slaughtered cattle, infection rate and nodule characteristics in relation to geographic region, season, breed, sex, and age of host: Australia

Breeds
Minar, J.; and Dorzh, C., 1970, Folia Parasitol., v. 17 (1), 91-92
Hypoderma spp., cattle, infestation in relation to host age and breed, geographical area, season, and method of breeding; rearing experiments: Mongolia
Breeds
anaplasmosis, bovine, prevalence, complement fixation test, no difference in regard to age, sex or breed of host: San Miguel, El Salvador

Breeds
Boophilus microplus, 3 breeds of cattle, infestation rate, seasonal variation, breed susceptibility: Union Territory of Delhi

Breeds
Norman, L. M.; and Hohenboken, W., 1979, J. Animal Sci., v. 48 (6), 1329-1337
parasites, foot soundness, and attrition, crossbred ewes, genetic and environmental effects (irrigated vs. nonirrigated pastures): western Oregon

Breeds
Haemonchus contortus, comparison of susceptibility of 4 breeds of sheep and 3 breeds of goats to experimental infection while maintained on both high and low planes of nutrition: Kenya

Breeds
Preston, J. M.; and Allonby, E. W., 1979, Research Vet. Sci., v. 26 (2), 134-139
Haemonchus contortus, relative resistance of 6 breeds of sheep: Kenya

Breeds
Anaplasma marginale, Babesia argentina, B. bigemina, Babesia triton, resistance and susceptibility correlated with heredity: Taiwan

Breeds
Ross, J. G.; and Halliday, W. G., 1979, Internat. J. Parasitology., v. 9 (4), 281-284
Ostertagia circumcincta, Trichostrongylus colubriformis, sheep, immunity successfully transferred by 'Transfer Factor', donor and recipient of different breeds

Breeds
Sangster, N. C.; et al., 1979, Research Vet. Sc., v. 27 (1), 106-110
Trichostrongylus colubriformis, Ostertagia circumcincta, Merino and crossbred sheep, field observations and preliminary critical trials showed varying degrees of drug resistance to levamisole hydrochloride, morantel tartrate, and thiabendazole; differences in infectivity and drug efficacy between breeds: Australia

Breeds
Stacey, B. R.; et al., 1978, J. Econom. Entom., v. 71 (6), 967-970
Amblyomma maculatum, Hereford and Brahman steers, drylot conditions, weight gains and blood parameters, comparison between breeds and infested and uninfested steers

Breeds
Sutherst, R. W.; et al., 1979, J. Applied Ecol., v. 16 (2), 359-382
Boophilus microplus, cattle, analysis of 3 control methods used separately and in combination (acaricides, pasture spelling, tick-resistant cattle), computer model of tick population: Australia

Breeds
Sutherst, R. W.; et al., 1979, J. Applied Ecol., v. 16 (2), 397-403
Boophilus microplus, density-dependent mortality of ticks on cattle in relation to season, host sex, breed, and level of tick resistance

Breeds
Haemonchus contortus, Targhee lambs and Targhee-Barbados Black-Belly cross lambs (both exper.), no differences in resistance between the two breeds

Breeds
Trypanosoma vivax, T. congolense, zebu and N'Dama cattle, pathology compared, N'Dama not as susceptible as zebu and some displayed a remarkable immunity: Missira, Senegal

Breeds
Eimeria tenella, several breeds of chickens, resistance and susceptibility correlated with heredity: Taiwan

Breeds
Boophilus microplus, resistance in selected Bos taurus and crossbred B. taurus x B. indicus, factors affecting resistance: age and sex of host, lactational status, pregnancy status, season, breed differences

Breeds
Boophilus microplus, resistance levels in different breeds of cattle: Queensland

Breeds
Welch, J. S.; Dobson, C.; and Freeman, C., 1979, Austral. J. Agric. Research, v. 30 (6), 265-274
Dirofilaria immitis, Toxocara canis, dogs, epidemiological survey, host age, sex, and breed, immunodiagnosis (3 immunofluorescence tests, in vitro lymphocyte blastogenesis); prevalence of serum antibody in man proportional to incidence of canine infections: Queensland; Central Australia
Breeds
Yazwinski, T. A.; et al., 1979, J. Animal Sc., v. 49 (4), 919-926
nematodes, resistance in various breeds of sheep (exper.)

Bronchitis
Dictyocaulus arnfieldi, presumptive diagnosis in 8 horses with eosinophilic bronchitis, infection confirmed in companion donkey, thiabendazole treatment, usefulness of cytology of tracheobronchial secretions in differential diagnosis

Bronchitis
parasitic gastroenteritis and bronchitis in untreated grazing calves, epidemiology (pasture larval counts, fecal egg and larval counts, clinical assessment, weight gains, worm counts in tracer calves), evidence that resistance to Cooperia and Dictyocaulus was acquired more readily than to Ostertagia, inhibition of development of Ostertagia and Cooperia became evident at end of trial period

Bulgaria
Rusev, B.; and Ianeva, I., 1976, Khidriobiologija, Sofia, v. 3, 40-46
Hirudinea, review of species composition, distribution, and ecology: Bulgaria

Byelorussian SSR. See Russia, Belorussian SSR.
Calcification
Baron, P. J.; and Appleton, T., 1977, Ztschr. Parasitenk., 72 (2), 236
Ligula intestinalis, aging plerocercoid probably about 10 years old in Abramis brama, light and electron microscopy of strobilia, calcification of tissue with microcrystals similar to microapatite crystals in vertebrate bone; chemical analysis; mineral deposits possibly arise from host metabolic process: Layer Pit, Essex

Calcification
al-Ghorab, Szczygiel, Lek.; et al., 1978, Urology, v. 11 (3), 303-305
schistosomiasis, human, bilharzial contracted bladder, radiological findings, calcifications

Calcification
Iehman, J. S., jr.; et al., 1971, Radiology, v. 98 (2), 379-380
human mixed Schistosoma haematobium and S. mansoni infection, calcification and polyposis diagnosed by radiologic examination, case report: Egypt

Calcification
Actinomycies bovis as possible cause for degeneration and calcification of Cysticercus bovis and hydatid cyst in host tissue

Calcification
congenital toxoplasmosis in twin infants with secondary neonatal hepatic calcification, clinical case reports

Calcification
Szczygiel, B., 1973, Przegl. Lek., v. 50 (9), 759-762
Schistosoma haematobium, human genital organs, diagnosis and assessment of infections and calcifications using radiology

Calcification
Szczygiel, B.; and Talfi, I., 1973, Przegl. Lek., v. 50 (8), 696-699
Dracunculus medinensis, humans, radiological diagnosis of calcified guinea worms

Calcification
Szczygiel, B.; and Talfi, I., 1974, Przegl. Lek., v. 51 (3), 413-415
Loa loa, humans, diagnosis, visualization of calcified worms by radiography

Canada
extent of human parasitic diseases in Canada, analysis of new and previously published data provided from provincial laboratories and hospitals (Clonorchis sinensis; Trichuris trichiura; Ascaris lumbricoides; Necator americanus; Ancylostoma duodenale; Diphyllolobothrium latum; Enterobius vermicularis; Taenia saginata (Cysticercus bovis); Giardia lamblia; Entamoeba histolytica; acarasis; Trichomonas urogenitalis; malaria; toxoplasmosis; pediculosis; schistosomiasis; filariasis; trichinellosis; Chagas' disease; trypanosomiasis; leishmaniasis; hydatidosis)

Canada
synopsis of protozoan parasitic in native turtles of the United States and Canada

Canada, Manitoba
endemic and imported parasitic diseases, humans, pilot survey, fecal and serologic tests; cercarial dermatitis difficult to detect as recreational waters were treated with copper sulfate: Manitoba (Entamoeba histolytica; Giardia lamblia; Entamoeba coli; Entamoeba hartmanni; Trichuris trichiura; hookworm; Heterophyes)

Canada, Ontario
intestinal parasites, native people, incidence by age-groups: Sioux Lookout Zone, northwestern Ontario (Entamoeba coli; Endolimax nana; Giardia lamblia; Entamoeba hartmanni; E. histolytica; Chilomastix mesnili; Dientamoeba fragilis; Iodamoeba buetschlii; Metorhisch sp.; Diphyllolobothrium sp.; Enterobius vermicularis; Trichuris trichiura; Strongyloides stercoralis)

Canada, Saskatchewan
survey of disease conditions in adult and feeder sheep, brief description of diseases encountered: Saskatchewan, Canada (Melophagus ovinus; coccidiosis; sarcosporidiosis; Taenia hydatigena; Ostertagia; Haemonchus; Trichostrongylus; Nematodirus; Bunostomum; Strongyloides; Cooperia; Moniezia; Chabertia; Trichuris; Skrjabinena; Thysanosoma)

Canada
Awwad, H. K.; et al., 1979, Cell and Tissue Kinet., v. 12 (5), 513-520
carcinoma in Biharzial bladder, cell proliferation, autoradiographic study

Cancer
Schistosoma haematobium, human urinary infections, etiological role in bladder cancer critically examined: Zambia
SUBJECT HEADINGS

Cancer

Cancer

Cancer

Cancer

Cancer
Chhabra, M. B.; Mahajan, R. C.; and Mahajan, M. K., 1979, Indian J. Med. Research, v. 69, 746-751 Toxoplasma gondii, isolation from suspected human material by mouse inoculation, correlation between high serological titre and success in isolation, 4 of 6 isolations from lymph node biopsies were from patients with malignant disorders of lymphatics.

Cancer

Cancer
Cohen, J.; and Spry, C. J. F., 1979, Parasite Immunol., v. 1 (2), 167-178 Strongyloides stercoralis, West Indian man, associated small intestinal lymphoma causing obstruction, deficiency of T lymphocytes and eosinophils, lymphoma may have led to reduction in cellular immunity with subsequent development of Strongyloides hyperinfection.

Cancer

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Cancer
El-Zoghby, S. M.; et al., 1978, Acta Vitaminol. et Enzymol., v. 52 (1-4), 7-11 schistosomal polyposis of large intestine, humans, increased β-glucuronidase activity not carcinogenic nor indicative of presence of malignancy.

Cancer

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Cancer
Cancer
Choneim, M. A.; et al., 1979, Brit. J. Urol., v. 51 (6), 541-544
schistosomiasis, human bladder, 158 cases surveyed after 5 years, tumor grade most important prognostic factor, most treatment failure due to local recurrence which developed early after treatment; preoperative radiation suggested for possible improvement of survival rate: Egypt

Cancer
cancer of human uterine cervix, etiology and epidemiology: includes information on Trichomonas vaginalis

Cancer
Entamoeba histolytica affecting female genital tract, case reports, clinical management, treatment, possible association with cervical carcinoma: South Africa

Cancer

Cancer
Spirocerca lupi, dogs, esophageal sarcomas, histopathology: Shiraz, Iran

Cancer
Karmali, R. A.; et al., 1978, Nature, London (5679), v. 275, 444-446
chloroquine enhances Epstein-Barr virus expression and may thus play important part in development of African Burkitt's lymphoma

Cancer
human schistosomiasis, estimation of arylsulfatase A and B in infected subjects and normal controls, progressive increase in enzyme in both monsoni and haematobium infections, possible relationships between both types of parasitic infections and the etiology of schistosomal bladder cancer

Cancer
Clonorchis sinensis, humans, possible relationship to cholangiocellular carcinoma of the liver, comparative evaluation of infected persons from areas of high and low endemicity: Pusan and Seoul areas of Korea

Cancer
Opisthorchis viverrini, humans, clinicopathologic findings, 154 autopsy cases, unusually high incidence of cholangiocarcinoma: Thailand

Cancer
Oedemagena tarandi, reindeer, case of multiple cutaneous malignant lymphoma, probably immune reaction to parasitic larvae

Cancer
Kuntz, R. E.; et al., 1978, Cancer Research, v. 38 (11, pt. 1), 3836-3839
Schistosoma haematobium, capuchin monkeys (Cebus apella), papillary lesions of urinary bladder, attempts to autologously and heterologously transfer bladder lesions

Cancer

Cancer
Leishmania braziliensis, effect of peritoneal macrophages from mice injected with parasites on in vitro growth of tumor cells

Cancer
Schistosoma mansoni, S. japonicum, human, possible relationship with liver carcinoma

Cancer
children with Burkitt's lymphoma, serum immunoglobulin levels, specific antibody titers to Plasmodium falciparum and P. malariae

Cancer
Trichomonas vaginalis, 4-nitosamines detected in infected human vaginal discharges, Trichomonas-negative samples showed no significant amounts of nitrosamines, inconclusive as to whether findings implicate parasite in production of these potential carcinogens: Johannesburg

Cancer
etiology of bladder cancer, humans, includes possible relationship of Schistosoma haematobium

Cancer
Toxoplasma gondii, increased risk of toxoplasmosis in immunosuppressed patients with malignant lympho- reticulo-endothelial diseases

Cancer
vesical bilharziasis, children, presenting symptoms and provisional diagnosis of sarcoma botryoides, case reports: South West Africa
SUBJECT HEADINGS

Carbohydrates. [See also Biochemistry; Metabolism]

Carbohydrates
Bunn, M. M.; et al., 1977, Ztschr. Parasitenk., v. 52 (3), 245-256
Herpetomonas samueipsoasi in vitro, 2-deoxy-D-glucose (2-DG) inhibits growth and respiration, modifies ultrastructure of cells; some carbohydrates decrease effect of 2-DG

Carbohydrates
Chen, S. N.; and Howells, R. E., 1979, Parasitology, v. 78 (3), 343-354
Brugia pahangi, infective larvae, juveniles, adults, uptake in vitro of dyes, monosaccharides, and amino acids, no evidence for oral uptake, transcuticular route of uptake may be employed

Carbohydrates
Cornford, E. M.; and Oldendorf, W. H., 1979, J. Parasit., v. 65 (3), 357-365
Schistosoma mansoni, new method for measuring transintestinal uptake in individual male and female worms, application to uptake of glucose and selected amino acids

Carbohydrates
Grulenberg, J.; Sharma, P. R.; and Deshusses, J., 1978, European J. Biochem., v. 89 (2), 461-469
Trypanosoma brucei, D-glucose transport

Carbohydrates
Trichinella spiralis, Alcian blue histochemistry of cyst wall in mouse, consists of outer acid mucopolysaccharide layer bound to sulfated collagen

Carbohydrates
Ascaridia galli, in vitro glucose uptake greater in worms from vaccinated chicks than in those from unvaccinated chicks, increased parasite surface permeability possibly related to increased host immunity

Carbohydrates
Schistosoma mansoni miracidia, effect of sugars, fatty acids, amino acids, and snail excretion products on activity, some effects concentration dependent and pH dependent; possible role for chemo-klinokinetic behavior patterns in miracidial host location

Carbohydrates
Matsuzawa, T., 1979, Japan. Poultry Sc., v. 16 (3), 137-140
Eimeria tenella, chicks, carbohydrate in host diet, effect on infection

Carbohydrates
Matsuzawa, T., 1979, Poultry Science, v. 58 (4), 1007-1008
Eimeria tenella in chicken ceca, incorporation of H\(^2\)-glucose, electron microscope autoradiography

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Cancer
Hradci Kralove, Suppl., v. 15 (2), 141-144
Trichomonas, human, differential diagnosis, discussion of possible involvement in pre-cancerous lesions and carcinomas of the cervix uteri

Cancer
bilharziasis, human bladder infection with associated bladder cancer, comprehensive protocol for management using radiotherapy as adjuvant to surgery and screening large numbers of chemotherapeutic agents

Cancer
Opisthorchis viverrini, human, association with primary hepatic carcinoma, autopsy survey, Thailand

Cancer
Opisthorchis viverrini, humans, ultrastructure of associated cholangiocarcinoma, Thailand

Cancer
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Naegleria, possible cause of rheumatoid disease and many human cancers through chronic antigenic stimulation by the Naegleria, review of new medical concept

Cancer
Echinococcus granulosus, man with positive immunoelectrophoresis test for hydatidosis, later diagnosed as pulmonary carcinoma, possible antigenic similarity: New Zealand

Cannibalism
Dipetalonema viteae, larval migration and distribution in Ornithodoros tartakowskyi, elimination of nematode larvae in tick coxal fluid may prevent hyperinfection, cannibalism transmits nematodes among ticks
Carbohydrates, Host
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Plasmodium chabaudi-infected mice, increase in sialic acids, neutral hexoses, and fucose on surface of red blood cells, coincides with reticuloctyosis

Carbohydrates, Host
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Hymenolepis diminuta-infected Prosimulium mixtum/fuscum and Simulium venustum, effects of parasitism on hemolymph composition (protein, amino acid, carbohydrate), relation to nematode's nutritional requirements

Carbohydrates, Host
Ascaris suum and vitamin C deficiency, effect on levels of glucose and acid-soluble phosphate compounds in blood of guinea pigs

Carbohydrates, Host
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Helminth-infected Rana tigerina, macromolecular changes in liver

Carbohydrates, Host
Echinococcus granulosus, effects on rats (plasmocyte reaction, antibody in serum, liver glycogen content, serum transaminase)

Carbohydrates, Host
Cryptobia salmositica in Salmo gairdneri (exper.), plasma glucose and proteins and hematocrit levels during course of infection, changes produced in host metabolism will undoubtedly affect host growth and population size

Carbohydrates, Host
Plasmodium berghei-infected and noninfected Anopheles stephensi, carbohydrates in hemolymph

Carbohydrates, Host
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Ascarops strongylina, pigs (exper.), accumulation of acid and neutral mucopolysaccharides in gastric mucosa in relation to duration of invasion, possible protective role and significance in pathogenesis of acute and chronic disease

Carbohydrates, Host
Trichobilharzia ocellata-infected lymnaeae stagnalis, increased growth rate, reduced tissue glycogen, shifts toward anaerobiosis

Carbohydrates, Host
Plasmodium, Babesia and Anthemosoma spp., comparative study of glucose catabolism by infected mouse erythrocytes, glucose utilization and lactate production of parasites

Carbohydrates, Host
Trichocephalus suis, sucking pigs, influence of amylosubetylene on host carbohydrate metabolism

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Carbohydrates, Host
Trichinella spiralis, conventional and bi-associated (with Staphylococcus epidermidis and Escherichia coli) mice, carbohydrate metabolism in livers and intestines, metabolite levels, enzyme activities

Carbohydrates, Host
Mermis nigrescens-infected Schistocerca gregaria, trehalose, glucose, free amino acid, and lipid fatty acid composition of hemolymph

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Kudoa-infected Mermulcius merlucuus, mucopolysaccharide changes in the muscles

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Carbohydrates, Parasite
Trypanosoma cruzi epimastigote forms, evidence for plasma membrane localization and antigenic nature of carbohydrate-containing macromolecules

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Carbohydrates, Parasite
physiology of fish parasites, review: chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition (role of gut, role of tegument); metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)

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Carbohydrates, Parasite
micromorphological structure and function of hypodermis of various groups of nematodes, functions include: support of somatic musculature and nerves, production of cuticle, storage place for nutrients (fats and glycogen), and barrier against harmful substances

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Crichtidia deanei, novel β-D-(1-2)-linked D-mannopyranan

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Trypanosoma congolense, characterization of surface coat, single specific glycoprotein as surface antigen, overall similarities with surface coat of T. brucei

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Carbohydrates, Parasite
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Carbohydrates, Parasite
Ascaridia galli, levels and localization of RNA, alkaline phosphatase and glycogen in nerve cells of both sexes of adult worms

Carbohydrates, Parasite
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Carbohydrates, Parasite
Trypanosoma cruzi epimastigotes, method of isolation of plasma membrane vesicles, general analysis of their properties, protein and carbohydrate content, antigenicity

Carbohydrates, Parasite
Leishmania spp., evidence for functional glycolate cycle

Carbohydrates, Parasite
Fasciola hepatica homogenates, serotonin (5-HT) activates and 3',5'-cyclic GMP inhibits glycogen-phosphorylase activity

Carbohydrates, Parasite
trematodes, cestodes, glycogen distribution, histochemistry; metabolism discussed

Carbohydrates, Parasite
Trichromonas foetus, costae, procedure for purification, chemical composition (95% carbohydrate, 5% protein), evidence of structural association among costae, kinetosomes, and flagella

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Carbohydrates, Parasite
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Carbohydrates, Parasite
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Trypanosoma cruzi incorporates exogenous proteins by pinocytosis, pinocytic vesicles can fuse forming multivesicular structures, cell membrane and membranes of pinocytic vesicles and large multivesicular structures contain carbohydrates, many intramembranous particles in cell membrane but few or none in membranes of vesicles and multivesicular structures

Carbohydrates, Parasite
Moniliformis dubius, carbohydrate transport: post-absorptive phosphorylation of glucose and role of trehalose in accumulation of endogenous glucose reserves
Carbohydrates, Parasite
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Carbohydrates, Parasite
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Carbohydrates, Parasite
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Moniliformis dubius, initial metabolism of fructose, mannose, and galactose, results indicate probable importance of trehalose to carbohydrate metabolism and to economy of carbohydrate acquisition in Moniliformis

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Cardiovascular system
Schistosoma mansoni, mice, venous circulation in bowel wall, tissue reactions to deposition of ova and granuloma formation

Cardiovascular system
Schistosoma mansoni, humans, hepatic infection, associated hypertension of inferior vena cava and portal vein, 39 cases reviewed

Cardiovascular system
vascular lesions in testes of 40 of 41 infertile males with oligospermia postulated to be result of repeated formation and deposition of circulating immune complexes, antigens could be of various origins including living or dying parasites, evidence of parasitic testicular involvement (possibly filaria) in 2 cases; Cameroon

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Cardiovascular system
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Caspian Sea. See Seas, Caspian Sea.
Castration, Parasitic. See Sex and parasitism.
Catabolism. See Metabolism.
Celebes. See Indonesia, Celebes.
Cell division. See Gametogenesis; Meiosis; Mitosis; Reproduction.
Cell-mediated immunity. See Immunity, Cell-mediated.
Cellular immunity. See Immunity, Cell-mediated.

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Plasmodium, 3 murine spp., density-gradient centrifugation in metrizamide for separating uninfected erythrocytes from erythrocytes containing parasites in different developmental stages

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Centrifugation
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Centrifugation
Plasmodium spp., human, concentration of parasitized erythrocytes by centrifugation on Ficoll R solution, useful method when attempting to confirm doubtful diagnosis

Centrifugation
Trypanosoma brucei, man, diagnosis using the miniature anion-exchange/centrifugation method, adaptation for field use: The Gambia

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Chromatography. [See also Gel filtration]

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Chromosomes
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Chromosomes
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Chromosomes
Trichuris ovit, T. globulosa, T. trichiura, comparative mitotic and meiotic behavior of chromosomes, karyotypes, sex determination, supernumerary chromosomes in T. ovit and T. globulosa

Chromosomes
Toxoplasma gondii, women with diagnostic antibody titers, study of presence of structural chromosome abnormalities in lymphocyte cultures, concluded that Toxoplasma infection does not increase proportion of chromosomal breakage in peripheral blood lymphocytes

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Chromosomes
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Chromatography
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Chromosomes
Toxoplasma gondii, study of persons with acute and chronic forms of infection for evidence of chromosome aberrations, brief discussion of possible pathogenic mechanism of chromosomal damage in the presence of infections

Chromosomes
Platyhelminthes, gametogenesis, chromosome pattern, cycles, and evolution, reproductive mechanisms, cytotomyax

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Circadian rhythms. See Periodicity.

Circulatory system. See Cardiovascular system.

Climate and weather. [See also Humidity; Overwintering; Temperature]

Climate and weather
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Climate and weather
Haemonchus contortus, sheep and goats, seasonal prevalence apparently influenced by temperature, relative humidity, and rainfall: Hisar

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climate variability, egg hatching, larval
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zil

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significance of these ideas in relation to
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Ethiopia and of T. evansi outside the tsetse
zone

Climate and weather
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Denmark

Climate and weather
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climate, land utilization, and dipping: Kandeya
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Climate and weather
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Climate and weather
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Climate and weather
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Climate and weather
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Climate and weather
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Climate and weather
Sarcosporidia, survey of incidence in domestic animals by examining for cystozoites rather than cysts, distribution by season, age of host, species of animal, and climate: Jordan

Climate and weather
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Climate and weather
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Climate and weather
Ornithodoros tartakovskyi, summer distribution in porcupine or terrupin burrows, temperature and humidity conditions: southern Tadzhikistan

Climate and weather
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Climate and weather
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Clothing, Blood. See Blood.

Coagulation, Blood. See Blood.

Colitis. [See also Intestine]
Colitis
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Entamoeba histolytica, 56-year-old male, necrotizing amebic colitis and perforated colon, case report, successful treatment with surgery, metronidazole, tetracycline: Virginia

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Strongyloides stercoralis colitis, humans, variations in pathologic findings as shown by radiography

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Sapunar, J.; et al., 1979, Bol. Chileno Parasitol., v. 34 (1-2), 36-39
Entamoeba histolytica, 21-year-old female with fulminating colitis, clinical case report; differential diagnosis of diarrheic conditions: Chile
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Scaffidi, V., 1973, Riforma Med., v. 87 (19), 743-760
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Baker, J. R.; et al., 1978, Bull. World Health Organ., v. 56 (3), 467-480
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Collections
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Acarina and Diptera ectoparasites of birds

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Murillo M., F. E.; and Williams A., F., 1976, Rev. Med. Costa Rica, an. 43 (457), v. 33, 159-161
Human intestinal parasites, comparative survey of urban and rural communities in Costa Rica (Ankylostoma or Necator; Ascaris lumbricoides; Trichoccephalus trichiurus; Strongyloides stercoralis; Enterobius vermicularis; Tenia saginata or solium; Hymenolepis nana; Entamoeba histolytica; E. coli; Iodamoeba butschlii; Endolimax nana; Trichomonas hominis; Chilomastix mesnilli; Enteromonas hominis; Lamblia intestinalis; Balantidium coli)

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Cross-immunity. See Immunity, Cross-reactions.

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Schistosoma mansoni-infected hamsters, increase in worm burden produces decrease in female worm size

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Coelho, P. M. Z.; et al., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (6), 440-442
Schistosoma mansoni-infected hamsters, increase in worm burden produces decrease in female worm size

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Zygocotyle lunata in domestic chicks, gross and histopathological effects on caecal tissues, feeding by worms on host caecal debris, stunting due to worm crowding

Crowding
Khallil, G. M., 1979, J. Parasitol., v. 65 (2), 321-323
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Mapes, C. J.; and Cooper, R. L., 1971, J. Comp. Path., v. 81 (4), 479-492
Haemonchus contortus chemically terminated or concurrent with Nematodirus battus in lambs lowered reproductive capacity and inhibited development of N. hattus, results consistent with density-dependent physico-pharmacological mechanism of population control involving changes in host alimentary physiology (abomasal pH and Na concentration)
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Transversotrema patialense on Brachydanio rerio (exper.), host size (age) and parasite survival, (parasite) age- and density-dependent survival and reproduction, reinfection and transplantation experiments failed to provide evidence of host immunological responses

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Rictularia jodhpurensis in male and female Rattus rattus of 3 different age categories, incidence, intensity, seasonal variation, parasite sex ratio, parasite length in relation to host weight and worm burden: Jodhpur, India

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Brockelman, C. R.; and Jackson, G. J., 1978, J. Parasitol., v. 64 (5), 803-809
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Douvyres, F. W., 1979, J. Parasitol., v. 65 (1), 79-84
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Driuchenko, E. A.; and Berdyeva, G. T., 1972, Parazitologiya, Leningrad, v. 6 (4), 356-359
Ascaridia galli, Ascaris suum, arginine and lysine consumption from casein hydrolysate in vitro, simultaneous rise in concentration of leucine with isoleucine and valine with methionine in medium, ammonia primarily excreted suggested that medium is suitable for maintenance

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Finney, J. R., 1977, Nematologica, v. 23 (4), 479-480
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Mauro, N. A.; and Weinstein, P. O., 1979, Internat. J. Parasitol., v. 9 (5), 421-427
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Litomosoides carinii, maintenance of adult females and microfilariae and release of microfilariae in different culture media

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Entamoea histolytica, prolonged cultivation without frequent subculturing

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Augustine, P. C.; and Chute, A. M., 1978, J. Parasitol., v. 64 (3), 425
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Augustine, P. C.; and Doran, D. J., 1978, J. Protozool., v. 25 (1), 82-86
Eimeria meleagrimitis, development from sporozoites and merozoites in turkey kidney cell cultures

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Braveny, I.; Winter, W.; and Disko, R., 1978, Tropenmed. u. Parasitol., v. 29 (4), 432-434
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Trypanosoma cruzi, interaction with vertebrate cells in vitro, DNA synthesis and growth of intracellular amastigotes, relationship to host cell DNA synthesis and growth

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Plasmodium falciparum, concentration from continuous culture of erythrocytes infected with trophozoites and schizonts, technique utilizes readily available gelatin

Cultures, Protozoa
Jensen, J. B., 1979, J. Protozool., v. 26 (1), 129-132
Plasmodium falciparum, gametocytogenesis in continuous cultures, crescent development with regard to timing of sequential stages, current culture methods cannot produce continuous supply of functional gametes for further studies

Cultures, Protozoa
Plasmodium falciparum, establishment of new strains in continuous culture

Cultures, Protozoa
Plasmodium falciparum, recent advances in cultivation, symposium presentation

Cultures, Protozoa
Trypanosoma cruzi, trypmastigote form, CM-cellulose separation from epimastigote and amastigote forms grown in fibroblast cell cultures; separable because of different surface character

Cultures, Protozoa
Anaplasma marginale, in vitro cultivation in bovine erythrocytes, growth pattern and morphology

Cultures, Protozoa
Anaplasma marginale, in vitro cultivation in normal ovine and bovine erythrocytes, transmission from infected ovine to normal bovine cells demonstrated, growth patterns

Cultures, Protozoa
Trypanosoma cruzi, in vitro metacyclic trypomastigotes purified from culture develop into amastigotes, multiply and transform into epimastigotes, increasing incubation temperature accelerates appearance of amastigotes but hinders further development

Cultures, Protozoa
Chilomastix sp., cultivation in Dobell Laidlaw medium; in vitro and in vivo (chickens) testing of metronidazole

Cultures, Protozoa
Trichomonas vaginalis, application of WISH cells as culture medium to produce large populations
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Kusunoki, Y., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (1), 6-16
Toxoplasma gondii, sporozoites, bradyzoites, and tachyzoites of Beverley strain, tachyzoites of RH strain, invasion and multiplication in cultured cells

Culture, Protozoa
Giardia, culture in solid medium; saccharolytic activity

Culture, Protozoa
Lanar, D., 1979, J. Protozool., v. 26 (3), 457-462
Trypanosoma cruzi, cultivation with Triatoma infestans, growth and differentiation

Culture, Protozoa
Langreth, S. G.; and Vanderberg, J. P., 1979, J. Parasitol., v. 65 (3), 418-420
Plasmodium falciparum, procedure for synchronization of erythrocytic stages in culture

Culture, Protozoa
Entamoeba histolytica, periodic hamster liver passage enhances virulence of axenically cultured trophozoites, statistical analysis

Culture, Protozoa
Trypanosoma theileri, continuous cultivation at 37°C in bovine cell culture

Culture, Protozoa
Entamoeba histolytica, usefulness of modified Stuart medium as transport medium for fecal samples and maintenance medium for laboratory strains (eliminates repeated subcultures)

Culture, Protozoa
Masur, H.; and Jones, T. C., 1978, J. Exp. Med., v. 147 (1), 157-170
Pneumocystis carinii, preliminary studies on identifying trophozoites and cysts and establishing infection of cell cultures, interaction in vitro with macrophages and L-cells, observations suggest role for antibody and mononuclear phagocytes during immune response

Culture, Protozoa
Entamoeba histolytica, rapid in vitro assay for cytopathogenicity of axenically cultivated strains, results compared with in vivo virulence assays

Culture, Protozoa
Anaplasma marginale, ultrastructure within and outside Aedes albopictus cells in vitro, reproduction not seen

Culture, Protozoa
Entamoeba, Giardia lamblia, Trichomonas vaginalis, cultivation, review

Culture, Protozoa
Plasmodium falciparum, loss of knobs on infected erythrocyte surface after long-term cultivation

Culture, Protozoa
Long, P. L.; and Millard, B. J., 1979, Parasitology, v. 78 (1), 41-51
Eimeria dispersa, isolation from turkeys in Britain, life cycle and reproduction, cross-protection against American strain, electrophoretic analysis of enzymes, host specificity studies, in vitro growth studies, gross pathology, pathogenicity, immunogenicity

Culture, Protozoa
Trypanosoma cruzi, comparison of growth and development in 199 medium with inactivated calf serum or with chicken embryo cells at 37°C and 35°C

Culture, Protozoa
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Herpetomonas samuelpessoa, polysaccharide components of cells grown on various culture media, possible role of certain polysaccharides in immunogenic terms
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Toxoplasma gondii in tissue culture, life cycle and development recorded by microcinematographic study in phase contrast

Culture, Protozoa
Trypanosoma cruzi culture and blood stream forms, optical and electron microscopic observations on interactions with hamster peritoneal macrophages, blood forms observed to be wrapped by a conspicuous membrane and to multiply actively; culture forms were epimastigotes folded upon themselves with invagination of periplast and electron-dense material inside and outside invaginations

Culture, Protozoa
Trypanosoma cruzi, primary isolation by hemoculture of parasites from naturally infected Didelphis azarae, mice (exper.) and acute and chronic infections in humans; low proportion of successful isolations from human chronic infections due probably to lower parasitemia; hemoculture from chronic patients also differed markedly from other hosts in very slow growth-rate obtained which was probably due to continuing activities of humoral and cellular components in blood inoculum

Culture, Protozoa
Trypanosoma cruzi, detection in mice, humans, and Didelphis azarae, acute and chronic infections, xenodiagnosis vs. haemoculture, quantitative comparison

Culture, Protozoa
Entamoeba histolytica, axenically grown trophozoites, formation of round bodies or 'precysts' effect of bacterial endotoxins, starch, and epinephrine

Culture, Protozoa
Mohapatra, T. M.; et al., 1979, Tropenmed. u. Parasitol., v. 30 (1), 53-58
Entamoeba histolytica, humans with symptomatic and asymptomatic amoebiasis, comparative evaluation of parasitological and serological diagnostic techniques

Culture, Protozoa
Trypanosoma cruzi, method of processing blood cultures for use in diagnosis of chronic phase of Chagas disease

Culture, Protozoa
Trypanosoma cruzi, mice, detection of experimental infections, culture methods vs. xenodiagnosis

Culture, Protozoa
Nyindo, M.; et al., 1978, J. Parasitol., v. 64 (5), 751-755
Trypanosoma brucei, in vitro cultivation of forms from salivary glands of Glossina morsitans, cultures thus established were infective to rats and tsetse flies

Culture, Protozoa
Theileria parva, T. lawrencei, cultivation of cell-free schizonts and merozoites in vitro, immunogenicity in cattle inoculated with T. parva merozoites and schizonts and later challenged

Culture, Protozoa
Nyindo, M.; et al., [1979], J. Parasitol., v. 64 (6), 1039-1043
Trypanosoma brucei, in vitro cultivation of forms from salivary glands of Glossina morsitans

Culture, Protozoa
Trypanosoma cruzi, highly enriched liquid medium that can support growth of amastigotes at 37 C

Culture, Protozoa
Trypanosoma cruzi, amastigotes derived from culture in cell-free medium at 37 C are biologically and physiologically similar to intracellular amastigotes derived from natural infections in that both can multiply and complete the life cycle intracellularly

Culture, Protozoa
Trypanosoma cruzi, cultivation in macromolecule-free semisynthetic and synthetic media
Culture, Protozoa
Panza Carpio, J. A., 1974, Rev. Fac. Farm., Univ. Central Venezuela (27), v. 14, 61-68
Trypanosoma rangeli, culture in diphasic autoclaved medium containing human albumin, implications for nutritional requirements

Culture, Protozoa
Plasmodium falciparum, differentiation of gametocytes in microcultures of infected human blood, can develop both from ring-stage parasites introduced into culture and from merozoites released during subsequent schizogonies in vitro, incorporation of \([\text{H}]\)-isoleucine by developing gametocytes

Culture, Protozoa
Pifer, L. W., 1979, Clin. and Exper. Immunol., v. 20 (1), 66-68
Pneumocystis carinii, capable of limited growth in Vero cell culture

Culture, Protozoa
Trichomonas vaginalis, description of circular immobile forms seen in culture, tests for viability using several stains, several cells had multiple nuclei as though undergoing multiple nuclear division

Culture, Protozoa
Poulter, L. W., 1979, Clin. and Exper. Immunol., v. 36 (1), 24-29
Leishmania enriettii, in vitro cultivation can be used to achieve quantification of viable parasites within an inoculum and within infected guinea-pig tissues

Culture, Protozoa
Encephalitozoon cuniculi, in vitro infectivity assay based on enumeration of lesions which appear as macroscopically distinct foci in cell cultures

Culture, Protozoa
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Culture, Protozoa
Leishmania donovani, isolation using 3 different culture media

Culture, Protozoa
Plasmodium falciparum in continuous culture, effects of pyrimethamine and chloroquine on parasite growth and viability

Culture, Protozoa
Romanha, A. J.; et al., 1979, Comp. Biochem. and Physiol., v. 62B (2), 139-142
Trypanosoma cruzi, isoenzyme patterns of 4 soluble enzymes in seven parasite stocks determined by electrophoresis, changes after prolonged subculture

Culture, Protozoa
Balantidium coli, effect of various bacteria on propagation in vitro, on erythrophagocytic capability of balantidia, and on susceptibility of balantidia to atebrin, entobex, mexitol, and protargol; Trichomonas hominis, Chlamastix mesnili, and Dientamoeba fragilis found to be without effect; effect of balantidia on bacteria

Culture, Protozoa
Ryley, J. F.; and Wilson, R. G., 1978, Methods Cultiv. Parasites in Vitro, 111-128
Cell and tissue culture of protozoa, review

Culture, Protozoa
Entamoeba histolytica, monoxenic cultures, growth enhanced with 6 Fusobacteria strains while Bacteroides strains did not possess this property

Culture, Protozoa
Shadlock, J. A.; and Polley, M. B., 1978, J. Protozool., v. 25 (4), 491-496
Encephalitozoon cuniculi, propagation in vitro using rabbit choroid plexus (RCP) cells, some factors influencing infectivity and replication (passage level of organisms; passage level, age, and source of RCP cells; antibiotics; storage time and temperature including freezing; elevated temperature; chemical disinfectants; centrifugation; physical and chemical treatments)

Culture, Protozoa
Shapiro, A.; et al., 1978, J. Protozool., v. 25 (4), 530-535
Crichtidia fasciculata, growth in vitro, improvements in defined medium, survey of efficiency of chelators, chelator-metal ion relations, Fe, Cu, Mo requirements for hemin sparing, potential uses of high-yield media

Culture, Protozoa
Sheehan, D. J.; et al., 1979, J. Clin. Microbiol., v. 10 (2), 128-133
Entamoeba histolytica, human, diagnosis, comparison of microscopic, cultural, counterimmunoelectrophoresis, and indirect hemagglutination techniques

Culture, Protozoa
Shibalova, T. A.; and Petrenko, V. I., 1972, Parazitologija, Leningrad, v. 6 (3), 201-205
Isospora bigemina, L. felis, T. rivolta, sporozoites inoculated into various tissue cultures, all 3 species invaded cultured cells but only T. bigemina developed further, resemblance of cultured parasites to Toxoplasma gondii, culture material fed to mice with necropsy and serological tests for Toxoplasma negative
Culture, Protozoa
Plasmodium falciparum, in vitro cultivation and partial purification of antigen suitable for vaccination studies in Aotus monkeys

Culture, Protozoa
Simpson, L., 1978, J. Parasitol., v. 64 (2), 360
Trypanosoma brucei, glucose-sensitive culture strain

Culture, Protozoa
Sinden, R. E.; and Smallie, M. E., 1979, Parasitology, v. 79 (2), 277-296
Plasmodium falciparum, modified microculture technique used as bioassay for various anti-metabolites by examining their ability to inhibit gametocytogenesis; characterization of sexual cell-cycle

Culture, Protozoa
Speec, C. A., 1979, J. Parasitol., v. 65 (4), 591-598
Eimeria magna, development of gamonts and oocysts in cell cultures inoculated with merozoites, extent of sporulation and infectiousness of oocysts developing in such cultures

Culture, Protozoa
Trichomonas foetus, Aberdeen Angus bulls (exper.), efficiency of different culture media for diagnosis

Culture, Protozoa
Trichomonas foetus, bulls, diagnosis by direct microscopic examination and by cultural recovery, comparison of 2 methods for collection of preputial secretions, suitability of transport medium

Culture, Protozoa
Toxoplasma gondii, in vitro reproduction in tissue culture of chick embryo fibroblasts, influence of various sera on parasite growth

Culture, Protozoa
Trager, W., 1974, Ciba Found. Symp., n.s. (20), 225-254
Trypanosomes, leishmanias, nutrition and biosynthetic capabilities, problems of in vitro cultivation and differentiation, review

Culture, Protozoa
Trager, W., 1979, J. Protozool., v. 26 (1), 125-129
Plasmodium falciparum, culture, improved continuous flow method

Culture, Protozoa
Plasmodium falciparum, continuous cultivation in vitro of erythrocytic stages, applications, review

Culture, Protozoa
Trigg, P. I., 1978, Methods Cultiv. Parasites in Vitro, 89-110
Plasmodium, cultivation, review

Culture, Protozoa
Wang, L. T., 1974, Taiwan i Hsueh Hui Tsu Chih (J. Formosan Med. Ass.), v. 73 (4), 196-202
Entamoeba histolytica, 38 strains cultured from infected stool and liver aspirates, growth and maintenance in various media

Culture, Protozoa
Warenycia, M. W.; et al., 1978, Experientia, v. 34 (4), 473-475
Trypanosoma theileri, identification as contaminant in primary cultures of bovine retina, successful subculture for 2 passages in sub-confluent cultures, some nutritional requirements, when cultures reached confluency no trypomastigotes or epimastigotes could be detected and attempts to recover trypanosomes from these cultures were unsuccessful

Culture, Protozoa
Trypanosoma cruzi-like-strain, morphology, frequency and density of parasites in Sanguinus oedipus, infectivity to monkeys and rodents, histological or histopathological findings, parasitaemia, development in cell cultures, cyclical development in Rhodnius prolixus and Triatoma infestans

Culture, Protozoa
Wink, M., 1979, Internat. J. Parasitol., v. 9 (6), 583-589
Trypanosoma theileri, in vitro cultivation in semidefined insect and vertebrate cell culture media and in Glossina and vertebrate cell culture systems

Culture, Protozoa
Woo, P. T. K., 1979, Expier. Parasitol., v. 47 (1), 36-48
Trypanoplasma salmositica, successful in vitro culture and subpassage, course of infection in Salmo gairdneri (exper.), clinical signs (anemia, exophthalmia, abdominal distension with ascites, splenomegaly), diagnosis by wet mount examination more sensitive than hemocrit centrifuge technique, evidence of possible antigenic variation

Culture, Protozoa
Trypanosoma cruzi, saline extract of Rhodnius prolixus bugs added to insect-oriented culture medium, large increases in trypomastigote forms, useful for Chagas disease studies

Culture, Protozoa
Entamoeba histolytica, Balantidium, Trichomonas, culture, new simple method
Culture, Tissue
Bhat, H. K. M.; Mahoney, D. F.; and Wright, I. G., 1979, Exp. Parasitol., v. 40 (6), 315-320
Preparation of primary cultures of tick cells

Culture, Tissue
Preparation of primary cultures of tick cells

Culture, Tissue
Rhipicephalus appendiculatus, establishment of 3 cell lines from developing adult tissues, successful infection of 1 cell line with 4 arboviruses

Culture, Tissue
Fasciola hepatica, in vitro cultivation of metacercariae under wide variety of conditions was generally unsuccessful, cultured metacercariae appeared to be in state of 'suspended animation' because when injected into mice they developed into egg-producing adults; partially developed flukes recovered from mice continued somatic growth in vitro but their genitalia failed to develop further

Culture, Tissue
Fasciola hepatica, in vitro cultivation of metacercariae under wide variety of conditions was generally unsuccessful, cultured metacercariae appeared to be in state of 'suspended animation' because when injected into mice they developed into egg-producing adults; partially developed flukes recovered from mice continued somatic growth in vitro but their genitalia failed to develop further

Culture, Tissue
Davies, C.; and Smyth, J. D., 1979, Internat. J. Parasitology, v. 9 (3), 261-267
Microphallus similis, development in the mouse and under a range of in vitro cultivation systems

Culture, Tissue
Schistosoma mansoni, long-term cultivation of in vitro derived schistosomula

Culture, Tissue
Central theme: culture, cultivation, review

Culture, Tissue
Schistosoma mansoni, cercariae, schistosomules, and intermediate forms obtained in vitro, infectivity for mice, worm recovery

Culture, Tissue
Hsu, S. E., 1974, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 20 (3), 231-242
Schistosoma japonicum, in vitro culture, role of red blood cells in culture medium, egg production and development

Culture, Tissue
Schistosoma mansoni, survival time of male vs. female adult worms in 0.85% NaCl or phosphate buffered saline

Culture, Tissue
Koloz, R. G.; and Wollen, P. M., [1979], J. Parasitology, v. 66 (6), 994-997
Schistosoma japonicum, development and movement of reproductive cells, effects of stressful conditions (in vitro culture; intraperitoneal maintenance in hamsters; unisexual transplants into hepatic portal system of hamsters)

Culture, Tissue
Fasciola hepatica, maintenance in vitro of adult flukes in continuous-flow system

Culture, Tissue
Cotylurus erraticus metacercariae, excystment and growth in vitro and in vivo to egg-producing adults

Culture, Tissue
Popiel, I.; and James, B. L., 1978, Parasitology, v. 76 (3), 349-358
Microphallus pygmaeus, changes in ultrastructure of daughter sporocyst and contained metacercariae during culture in artificial seawater and modified Medium 199, comparison with variations in oxygen consumption, almost simultaneous onset of body wall degeneration in both media suggests that the nutrient medium is not suitable for maintenance of healthy daughter sporocysts

Culture, Tissue
Popiel, I.; and James, B. L., 1978, Ztschr. Parasitenk., v. 56 (3), 251-265
Cercaria stunkardi, C. linearis, daughter sporocysts in chemically defined media, variations in oxygen consumption and ultrastructure, body wall degenerates but contained cercariae remain healthy

Culture, Tissue
Srivastava, M.; and Gupta, S. P., 1977, Ztschr. Parasitenk., v. 52 (1), 61-68
Isoparorchis hypselobagri adults, in vitro survival in various salt solutions and with addition of various sugars; carbohydrates absorbed through cuticle, pH 9 optimum

Culture, Tissue
Valenzuela, G.; and Sievers, G., 1977, Bol. Chileno Parasitol., v. 32 (3-4), 84
Fasciola hepatica, simple method for culture of eggs under natural conditions

Cuticle. [See also Integument; Parasite surfaces; Tegument]

Cuticle
Ascaris lumbricoides, A. suum, Toxocara cati, larvae, early ecdyses, 2 distinct cuticles at extremities, probably 2 ecdyses before ecdision, third stage as infective form, and 5 ecdyses in life cycle
Cuticle
Asaishi, K., 1974, Sapporo Igaku Zasshi (Sapporo Med. J.), v. 43 (2), 104-120
Anisakis larvae, analysis of cuticular antigen, application of fluorescent antibody test to histological diagnosis of chronic infection

Cuticle
Schistosomphus cornutus, redescription, cuticular ridges, light and scanning electron microscopy

Cuticle
Batson, B. S., 1979, Internat. J. Parasitol., v. 9 (6), 495-501
Gastromermis boophilae, body wall, ultrastructural changes during life cycle, alkaline phosphatase activity, relationship to transcuticular uptake of nutrients

Cuticle
Micromorphological structure and function of hypodermis of various groups of nematodes, functions include: support of somatic musculature and nerves, production of cuticle, storage place for nutrients (fats and glyco- gen), and barrier against harmful substances

Cuticle
Ascaridia compar, fine structure of cuticle, hypodermis, and somatic musculature

Cuticle
Burchard, G. D.; Buettner, D. W.; and Bierther, M., 1979, Tropenmed. u. Parasitol., v. 30 (1), 103-112
Onchocerca volvulus, electron microscopy, adult worms, onchocerca-nodules removed from patients

Cuticle
Chen, S. N.; and Howells, R. E., 1979, Parasitology, v. 78 (3), 343-354
Brugia pahangi, infective larvae, juveniles, adults, uptake in vitro of dyes, monosaccharides, and amino acids, no evidence for oral uptake, transcuticular route of uptake may be employed

Cuticle
Laminar membranes and pore canals of Hypoderma bovis and some other arthropod cuticles, structure and contents

Cuticle
Durette-Desset, M. C., 1979, Ann. Parasitol., v. 54 (3), 313-329
8 spp. of Nematodirinae, morphology and classification with special emphasis on synlophe

Cuticle
Bunostomum trigonocephalum, body wall (cuticle, hypodermis, and somatic musculature), ultrastructure

Cuticle
Hackman, R. H., 1975, J. Insect Physiol., v. 21 (9), 1613-1623
Boophilus microplus, expanding abdominal cuticle, protein composition and analysis

Cuticle
Hamada, G. S.; and Wertheim, G., 1978, J. Parasitol., v. 64 (3), 448-453
Mastophorus muris, adult and 3rd stage larva, cuticular ultrastructure

Cuticle
Jaskoski, B. J.; and Ozuk, B. A., 1977, Tr. Illinois State Acad. Sci., v. 70 (3-4), 237-241
Nematospiroidea dubius, mice, mechanism of attachment appears to be primary longitudinal striae of the cuticle which embed into the host's intestinal villi

Cuticle
Heterakis gallinarum, fine structure of cuticle

Cuticle
Ascaridia galli, in vivo and in vitro studies on effect of host immunity on cuticle permeability

Cuticle
5 Cooperia spp. of North American ruminants, differences in cuticular ridges, use in identification of males and females, key

Cuticle
Trichinella spiralis, Nippostrongylus brasiliensis, surface of infective larvae and adults may activate complement but not that of newborn larvae, stage-specific antibodies to nematode cuticle are capable of mediating attack by inflammatory cells against nematode surface

Cuticle
Maggenti, A. R., 1979, J. Nematol., v. 11 (1), 94-98
Nema, proposal for system of cuticular nomenclature based on strata observed in Enoplia
Cuticle
Schistosoma mansoni, untreated worms and worms treated with ambilhar or astiban, electron microscopy of cuticle, subcuticular region, and gut; possibility that egg formation is interrupted by either treatment

Cuticle
Martinez-Palomo, A., 1978, J. Parasitol., v. 64 (1), 127-136
Onchocerca volvulus, microfilariae at different developmental stages obtained from untreated humans, formation of cuticle characterized ultrastructurally, no plasma membrane found at cuticle, results suggest that immunogenic determinants are hidden from exterior by acellular cuticle and this may explain lack of cellular reaction usually found around living microfilariae in dermis of onchocerciasis patients

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Hyostronyulus rubidus, immune adherence of human red blood cells to cuticles of various developmental stages following exposure of parasites to serum derived from infected pigs in presence of complement

Cuticle
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Trichinella larvae (intact larvae vs. cryo-sections in guinea pig muscle), desorption of antigens, immunofluorescent studies of cuticle

Cuticle
Ohmori, Y.; Yoshimura, H.; and Ishigooka, S., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (1), 24-35
Strongyloidea, 29 species, comparative study of 5 types of esophageal cuticular lining

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Ascaris suum, role of nervous system in regulating cuticular permeability

Cuticle
Nematospiridium dubius, cuticle of infective 3rd stage larvae (L3) as well as post-infective and nature forms can activate serum complement via alternative pathway, adherence of mouse peritoneal exudate cells from immune mice to L3 promoted by either complement or antibody resulted in reduced larval infectivity

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Ascaris suum, adult, protein absorption through mouth only (serum protein, casein, gelatin); addition of intact protein to culture media unnecessary because there is no cuticular absorption and only limited intestinal absorption

Cuticle
Demodex spp. (especially D. caprae) and 2 related genera, physical characteristics and chemistry of exoskeleton and pigment granules

Cuticle
Timofeev, V. A.; and Kuperman, B. I., 1973, Parazitologiia, Leningrad, v. 7 (4), 339-348
Triaenophorus nodulosus, changes in ultrastructure of body surface during development from oncosphere into procercoid

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Tomita, S., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (2), 61-77
Thelazia callipaeda, ultrastructure of body wall

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Syphacia spp., ultrastructure of head and cuticle surface structure by scanning electron microscopy, taxonomic importance

Cuticle
Wong, M. M.; and Brummer, M. E. G., 1978, J. Parasitol., v. 64 (1), 108-114
Dirofilariaia 5 spp., cuticular morphology, scanning electron microscopy, possible aid in differentiation and recognition

Cysts
Abdel Ghaffar, F.; Hilali, H.; and Scholtysek, E., 1978, Tropenmed. u. Parasitol., v. 29 (3), 289-294
Sarcocystis fusiformis in Bubalus bubalis, fine structure morphology, large and small sarcocysts from muscular layer of oesophagus: Egypt

Cysts
Armstrong, D. A.; and Armstrong, J. L., 1974, Proc. National Shellfish Ass., v. 64, 68-72
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Cryptocaryon irritans, effect of temperature and salinity on reproductive cycle

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Toxoplasma gondii oocysts, process of excystation, light and electron microscopy

Cysts
Davis, B. O., Jr., 1975, Acta Parasitol. Polon., v. 23 (12-25), 229-236
Hymenolepis microstoma, effects of cysticercoid age on morphology, excystation in vitro, and infectivity for mice

Cysts
Dixon, K. E.; and Colton, M., 1978, Internat. J. Parasitol., v. 8 (6), 491-499
Cloacitremia narraboeensis, cystogenic cells in mature cercariae, surface structures of cercaria, formation of metacercarial cyst wall, light and electron microscopic and histochemical study

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Farquhar, A. S.; Anthony, W. B.; and Ernst, J. V., 1979, J. Animal Sci., v. 49 (5), 1331-1336
Eimeria bovis oocysts in manure-blended diet, adequate ensiling prevents sporulation

Cysts
Fried, B.; and Bennett, M. C., 1979, J. Parasitol., v. 65 (1), 38-40
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Sporonucleus muris, faecal cysts, resistance to physical and chemical factors tested, data may be useful for control of infection in rodents and for cryopreservation of parasite

Cysts
Cercaria levantina 14, 15, and 16, descriptions, swimming behavior, development, excystation attempts with C. levantina 16

Cysts
McCallister, G. L., 1979, J. Parasitolo., v. 65 (1), 24
Eimeria, use of commercial soft drinks as source of carbon dioxide for excystation of

Cysts
Toxoplasma gondii cysts in Mastomys natalensis (brain), ultrastructure, freeze-etch technique makes possible a clearer description of membranes than thin-section and scanning electron microscopy

Cysts
Giardia, concentration and purification of cysts from feces, induction of and determination of factors involved in excystation, effect of various storage temperatures on survival as determined by cultural excystation method

Cysts
Cotylurus erraticus metacercariae, excystment and growth in vitro and in vivo to egg-producing adults

Cysts
Entamoeba histolytica, axenically grown trophozoites, formation of round bodies or 'precysts', effect of bacterial endotoxins, starch, and epinephrine

Cysts
Actinomyces bovis as possible cause for degeneration and calcification of Cysticercus bovis and hydatid cyst in host tissue

Cysts
Cercaria spp. in Indoplanorbis exustus and Lymnaea luteola f. typica snails, abnormal host growth, pathology of digestive gland and gonads, intra-sporocyst and intra-redial encystment of cercariae in starved snails or in moribund snails reared in polluted water containing their metabolic waste and excreta

Cysts
Echinostoma malayanum, development in rats, heavy population density effects (lengthened prepatent period, undersized worms, decreased proteins, lipids, calcium, and ash but not glycogen); pathological changes in rat intestine; in vitro metacercarial excystment

Cysts
Trypanosoma vespertiilionis, morphology of bloodstream forms, sites and morphology of tissue stages (in cysts), morphology and ultrastructure of culture forms, difficulties in differentiating from T. cruzi

Cysts
Trichinella spiralis, rats, acceleration of cyst calcification by administration of vitamin D3, inhibition of cyst calcification by administration of disodium ethane-1-hydroxy-1,1-diphosphonate, demonstrates that cyst calcification is not an irreversible process and is subject to drug therapy

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Echinococcus granulosus, criteria for differentiating sterile and fertile experimental secondary cysts (minimum cyst age, presence or absence of calcareous corpuscles)

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Trichomonas vaginalis, description of circular immobile forms seen in culture, tests for viability using several stains, several cells had multiple nuclei as though undergoing multiple nuclear division
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caecal growth and movement of worms, attachment of juvenile worms to host's caecum

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study of capsule and relationship to host reveals cellular nature of capsule, host's
haemocyte infiltration into cyst fluid, and occasional double cystacanths in single
envelopes suggesting host origin of capsule

Cysts
Notocotylus attenuatus, cercaria, relationship of gland cells to layers of cyst wall of
adolescencia, morphology, histochemistry

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pseudo-cyst or round form of parasite in
which there is absence of undulating mem-
branes and of flagella, this form thought to
play important part in virulent human infec-
tions and in those less responsive to drug
therapy

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Cysts
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adolescencia, morphology, histochemistry

Cysts
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Cytochemistry. See Biochemistry.

Cytological diagnosis. See Diagnosis.

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Polypodium hydriforme, nematocyst development in parasitic stolon, electron microscopy.

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Cytology, Protozoa
Anaplasma sp. Pawhuska isolate, heifer (exper.), ultrastructure of anaplasmal inclusions and their appendages in intact and hemolyzed erythrocytes and in complement-fixation antigen, importance of preparatory treatment in visualization of inclusion bodies

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Cytology, Protozoa
Toxoplasma gondii, spherical bodies in cytoplasm, ultrastructure

Cytology, Protozoa
Myxobolus exiguis, Ceratomyxa herouardi, synaptonemal complexes, electron microscopic observations, implications for life cycle and classification of myxosporidians

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Trichromonas foetus, costae, procedure for purification, chemical composition (95% carbohydrate, 5% protein), evidence of structural association among costae, kinetosomes, and flagella

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Trypanosoma cruzi incorporates exogenous proteins by pinocytosis, pinocytic vesicles can fuse forming multisicular structures, cell membrane and membranes of pinocytic vesicles and large multisicular structures contain carbohydrates, many intramembranous particles in cell membrane but few or none in membranes of vesicles and multisicular structures

Cytology, Protozoa
Toxoplasma gondii, basic proteins, ultrastructural location of flagellates and micronemes, possible role in penetration
Cytology, Protozoa
Naegleria spp., evaluation of membrane-bound black bodies, found to be characteristic of trophozoites and unrelated to encystment

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Plasmodium lophurae, differentiation of parasite membrane, parasitophorous vacuole membrane, and duck erythrocyte membrane with cationized ferritin staining as an electron microscope cytochemical method

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Pneumocystis carinii, histochemical observations, selective coloration of membranes of honeycomb forms, simultaneous demonstration of honeycomb and cyst forms

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Czechoslovakia
human intestinal parasites reported by age groups: okrese Bruntal
(Ascaris lumbricoides; Trichuris trichiura; Enterobius vermicularis; Strongyloides stercolaris; Giardia lamblia; Entamoeba coli; E. histolytica; E. hartmanni; Endolimax nana; Iodamoeba buetschlii)

Czechoslovakia

Czechoslovakia
endoparasites, calves, coprological examination in large-capacity calf-houses, parasite number and extensity of invasion increases with age: Benesov district, Central-Bohemian region
(Eimeria auburnensis; E. alabamensis; E. bovis; E. cylindrica; E. ellipsoidalis; E. subspherica; E. zuernii; Isospora spp.; Strongyloides papillosus; Geophagostomum radiatum; Trichocephalus ovis; Cooperia spp.; Ascaris suum)

Czechoslovakia
Protozoa of amphibians

Czechoslovakia
parasites of digestive tract, city dogs and cats, coprological examination: Prague dogs (Toxocara canis; Taenia pisiformis; Dipylidium caninum; Isospora) cats (Toxocara cati; Taenia taeniaeformis; Dipylidium caninum; Isospora)
DNA. See Nucleic acids.

Definitions. See Terminology.

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Keh, B., 1974, J. Med. Entom., v. 11 (4), 498 Chiroptonyssus robustipes, dermatitis of face and abdomen in 18-month-old boy: near Ingot, Shasta County, California

Dermatitis, Arthropoda

Dermatitis, Arthropoda

Dermatitis, Arthropoda
Musatov, V. A., 1978, Veterinariia, Moskva (6), 57-61 Ixodid ticks, pathology of host skin reaction to bite and feeding, nonspecific (innate) reaction and specific immune reaction

Dermatitis, Arthropoda

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Rufii, T.; and Mamicoglu, Y., 1979, Praxis, Bern, v. 68 (44), 1441-1452 Lice, biology, elimination and prevention of human infestations, extensive clinical review

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Burchard, G. D.; and Bierther, M., 1978, Tropenmed. u. Parasitol., v. 29 (4), 451-461 Onchocerca volvulus, patients, dermatitis, mesenchyme reaction of skin, ultrastructure of microfilariae: Liberia

Dermatitis, Nematoda

Dermatitis, Nematoda

Dermatitis, Nematoda
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Dermatitis, Nematoda
Dermatitis, Nematoda
Pasyk, K., 1978, Brit. J. Dermat., v. 98 (1), 107-112
Rhoditis strongyloides causing pruritic dermatitis in 13-year-old girl; clinical case report, differential diagnosis, family dog as possible source of infection: Poland

Dermatitis, Protozoa
Plasmodium falciparum as cause of acute urticaria, 2 case reports: Ethiopia

Dermatitis, Protozoa

Dermatitis, Schistosomum. See Dermatitis, Trematoda.

Dermatitis, Trematoda
Kravitz, P.; and Lewis, M., 1977, Rhode Island Dermatitis, Nematoda

Dermatitis, Trematoda
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Austrobilharziasis terrigalensis, synonymy, description, life cycle, failure to produce cercarial dermatitis in humans

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Gigantobilharzia sp., description, potential agent of dermatitis; Heron Island (southern end of Great Barrier Reef, 80 km from mainland), Australia

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Orientobilharzia turkestanica, cause of cercarial dermatitis among rice farmers: Caspian Sea area of Iran

Dermatitis, Trematoda
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Cercaria catascopii n. sp., causative agent of swimmers' itch, distribution of infected snails in lakes of recreational importance: New Brunswick, Canada

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endemic and imported parasitic diseases, humans, pilot survey, fecal and serologic tests; cercarial dermatitis difficult to detect as recreational waters were treated with copper sulfate: Manitoba

Dermatitis, Trematoda
Trichobilharzia sp., children developed swimmer's itch dermatitis after swimming in farm pond which was discovered to contain Trichobilharzia-infected snails (Physa heterostropha), pond was also used by domestic ducks and geese and by migratory waterfowl, clinical report: farm pond near Harrisburg, Pennsylvania

Dermatitis, Trematoda
Trichobilharzia found in Austropeplea ollula and Anas poecilorhyncha, strongly suspected to be cause of dermatitis among farmers working in paddy fields: Noda city, Chiba prefecture

Desiccation. [See also Humidity; Water]

Desiccation
Trichinella spiralis larvae in experimentally infested swine meat, morphological changes and viability following freezing and cryo-desiccation

Desiccation
Berger, V. T.; and Kondratenkov, A. P., 1974, Parazitologiia, Leningrad, v. 8 (6), 563-564
larval trematode-infected Hydrobia ulvae, lowered resistance to desiccation and fresh water

Desiccation
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Ixodes ricinus, polymorphism at α-glycero-phosphate dehydrogenase locus detected by electrophoresis, allele and genotype frequency patterns in natural tick populations, physiological and behavioral correlates of alternate genotypes: larval populations: Ireland

Desiccation
Iusupov, K. A.; and Shchetkin, V. Iu., 1971, Parazitologiia, Leningrad, v. 5 (3), 209-211
Leishmania tropica major, optimum procedure for lyophilization of cultures

Desiccation
Spironucleus muris, faecal cysts, resistance to physical and chemical factors tested, data may be useful for control of infection in rodents and for cryopreservation of parasite

Desiccation
Strongyloides papillosus, effect of relative humidity on eggs and larvae
Desiccation
Ancylostoma tubaeforme, eggs and third-stage larvae, survival of desiccation under defined relative humidities at high temperatures in the laboratory

Desiccation
Fasciola hepatica, development of radial generations in Lymnaea truncaculata in relation to temperature, desiccation of habitat, and host body size

Desiccation
Amoebostomum anseris, eggs and larvae, development, resistance to various temperatures and desiccation under laboratory conditions

Desiccation
Wharton, D. A., 1979, Exper. Parasitol., v. 48 (3), 398-406
Ascaris lumbricoides, eggs, effect of humidity on embryonic development, rate of water loss during desiccation, effect of temperature on water loss

Desiccation
Nematodirus spathiger eggs and larvae in water, dry, and in feces, effects of freezing or high temperatures

Development. [See also Embryology; Growth; Life cycle]

Development
Helminths of British freshwater fish, population biology: the systems approach; distribution of parasites in the fish population; intermediate host-parasite systems; definitive host-parasite systems (life span and maturation cycle, population changes and their controlling factors, species exhibiting and not exhibiting seasonal cycles in incidence)

Development
Vasilyev, I., 1976, Khelmintologiiia, Sofiia, V. 2, 32-41
Host categories (obligatory, paratenic, and potential) and their role in helminth ontogenesis

Development, Acanthocephala
Amin, O. M., 1978, J. Fish Dis., v. 1 (2), 195-197
Echinorhynchus salmonis in Oncorhynchus trawyscha (intestine), maturation and localization in spawning vs. non-spawning hosts: Lake Michigan

Development, Acanthocephala
Moniliformis dubius, larval morphogenesis in Periplaneta americana, effect of temperature, season, photoperiod, and elevated temperature stress, morphological anomalies

Development, Acanthocephala
Pisifilicollis sp., invaginated and disinvaginated larvae, description, sexual dimorphism in relation to size

Development, Acanthocephala
Neoechinorhynchus agilis, flagellogenesis, positioning and disorganization of spermatic axoneme

Development, Acanthocephala
van Maren, M. J., 1979, Bijdr. Dierk., Amsterdam, v. 48 (2), 97-119
Pomphorhynchus laevis and Polymorphus minutus in Gammarus fossarum, occurrence and infestation rates in relation to intermediate host life cycle, occurrence in final hosts, parasite membrane, parasitic castration of intermediate host, development of P. laevis in Thymallus thymallus (nat. and exper.): Rhone river system, near Lyon

Development, Arthropoda
Belozerov, V. N., 1971, Parazitologiia, Leningrad, v. 5 (6), 481-487
Ixodes ricinus, unfed nymphs, effect of changes in photoperiodic regime on development after engorgement

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Belozerov, V. N.; and Luzev, V. V., 1974, Parazitologiia, Leningrad, v. 8 (6), 515-523
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Hyalomma asiaticum asiaticum, duration of life cycle in natural biotopes (burrows of [Rhomombyus opimus]), temperature requirements: Turkmenia

Development, Arthropoda
Borozdina, N. I., 1974, Parazitologiia, Leningrad, v. 8 (5), 438-446
Oedemagena tarandi, 2nd and 3rd stage larvae, age-related changes in content of moisture, dry matter, fat, glycogen, total nitrogen, and protein

Development, Arthropoda
Breev, K. A., 1975, Parazitologiia, Leningrad, v. 9 (2), 147-154
Oestrus ovis, factors causing inhibition of development and determining age structure of populations

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Breev, K. A.; and Sultanov, F. R., 1975, Parazitologiia, Leningrad, v. 9 (1), 47-56
Oestrus ovis, sheep, body length of 1st instar larvae and body weight of 2nd and 3rd instar larvae at different times of year and in different regions, statistical analysis, implications for course of development: Azerbaidzhan

Development, Arthropoda
Bukshytov, V. I., 1978, Veterinariia, Moskva (9), 60-62
Oestrus ovis, sheep, temperature as most significant factor in predicting time of development in relation to season
SUBJECT HEADINGS

Development, Arthropoda
Campbell, A.; and Glines, M. V., 1979, J. Parasitol., v. 65 (5), 777-781
Haemaphysalis leporispalustris, development, survival, and oviposition at 5 constant temperatures

Development, Arthropoda
Cerny, V.; and de la Cruz, J., 1971, Folia Parasitol., v. 18 (1), 75-78
Boophilus microplus, development and survival in laboratory and natural conditions: Cuba

Development, Arthropoda
Chmela, J.; and Lichard, M., 1971, Folia Parasitol., v. 18 (1), 79-83
Ixodes hexagonus, development of individual stages, 3-year developmental cycle predominant, tick-borne encephalitis natural focus: North Moravia

Development, Arthropoda
Cochliomyia hominivorax, field-collected and laboratory reared females, correlation of changes in flight behavior of aging female with changes in ovarian development

Development, Arthropoda
Ornithodoros gurneyi, laboratory rearing technique, feeding and detaching, molting and development, mating and oviposition, reproductive diapause, effects of temperature, photoperiod, and pressure

Development, Arthropoda
Dubinina, E. V., 1971, Parazitologiia, Leningrad, v. 5 (6), 488-494
Listrophorus validus, Schizocarpus numerosus, developmental cycle, morphogenesis

Development, Arthropoda
Cephenemyia stimulator in Capreolus capreolus, distribution within head cavity, seasonal incidence and development of larval stages throughout year, experimental infection of host, rearing of imagos, unsuccessful attempts to catch imagos in the field: Poland

Development, Arthropoda
Grabda, J., 1973, Acta Ichthyol. et Piscat., v. 3 (1), 61-74
Cecrops latreillii, morphology and development

Development, Arthropoda
Hippobosca longicornis, biology in Egypt, laboratory observations: adult emergence, feeding mechanism, frequency and amount of blood meal, tolerance to starvation, sexual maturity, mating behavior, sex ratio, intrauterine larval development, larviposition and description of 3rd larval stage, adult longevity and fecundity, description of pupa, pupal duration (effect of temperature, relative humidity, and host)

Development, Arthropoda
Hippobosca equina, field-collected and laboratory-reared on guinea pigs, biology, adult males vs. females (feeding, longevity of starved adults in 2 seasons, longevity of normal adults and fecundity in 2 seasons, effect of presence of males on fecundity of females, sexual maturation, sex ratio); larval stage (larviposition, description, and duration of 3rd larval stage; seasonal intrauterine larval development); pupal stage (duration, effect of temperature and humidity)

Development, Arthropoda
Haemaphysalis longicornis, Ixodes holocyclus, and Rhipicephalus sanguineus eggs, temperature and humidity preferences

Development, Arthropoda
Ornithodoros savignyi, blood meal weight and heme content during developmental cycles, technique for determining exact instar

Development, Arthropoda
Honzakova, E., 1971, Folia Parasitol., v. 18 (4), 357-365
ticks, development under standard laboratory conditions

Development, Arthropoda
Argas arboreus, effect of blood meal weight on nymphal instar numbers

Development, Arthropoda
Jurgenson, I. A.; and Teplykh, V. S., 1971, Parazitologiia, Leningrad, v. 5 (2), 119-127
Ctenophthalmus orientalis, preimaginal phases, effect of temperature and relative humidity on survival and development

Development, Arthropoda
Lepeophtheirus salmonis on Salmo salar, morphology of first and second nauplius, behaviour of free-living larval stages, egg-bearing period and developmental time are inversely related to temperature
Development, Arthropoda
Phrixocephalus cincinnatus in Atherestes stomiias, morphology, metamorphosis, effect on eye of parasite's presence and activity: Barkley Sound, west coast of Vancouver Island; sea area adjacent to west coast of Vancouver Island

Development, Arthropoda
Kamalaa Bai, M.; and Prasad, R. S., 1979, Entom. Exper. et Applic., v. 26 (1), 80-84
Xenopsylla cheopis, X. astia, role of dietary components in vitellogenesis

Development, Arthropoda
Ceratixodes putus, incidence on adult and juvenile birds, distribution of various life cycle stages on host in relation to surface temperatures of various sections of body, dates of attacking behavior and development in relation to temperature and microclimate of habitats: east Murmansk

Development, Arthropoda
Gasterophilus intestinalis 3rd instars artificially removed from stomachs of horses at various times of year, viability and maturation potential, effect of holding temperatures, humidity, and instar maturity on rate of development and percent pupation and eclosion

Development, Arthropoda
Amblyomma maculatum, effect of host species on engorgement weight, time, and success, molted weight, molted adult dimensions, and percentage of molting success, engorgement time and success were host-species dependent

Development, Arthropoda
Amphipsylla rossica, ecology, field and laboratory studies: feeding, reproduction, development, survival, and longevity under various conditions of temperature and humidity: age composition and physiological state of populations in different months; abundance on Microtus arvalis and in its nests and burrow entrances in different months: Transcaucasian highlands

Development, Arthropoda
McDaniel, R. S. II; and Oliver, J. H., jr., 1978, J. Parasitol., v. 64 (3), 571-573
Dermacentor variabilis nymphs, effects of insect growth regulators on certain aspects of developmental and reproductive biology

Development, Arthropoda
Madel, G., 1971, Folia Parasitol., v. 18 (1), 85-91
Crivellia silenus, goat, larval stages described, influence of field temperatures on development: Badakhshan, Afghanistan

Development, Arthropoda
Przhevalskiana silenus, ontogenesis of integument during different larval stages, histomorphology

Development, Arthropoda
Argas persicus, distribution in poultry farms, egg and larval development studied at various humidities: Khartoum Province, Sudan

Development, Arthropoda
Blowflies, parasitic development on living vertebrates, preference for brain tissue when feeding, invertebrates were poor breeding material

Development, Arthropoda
Oestrus ovis, sheep, extensity and intensity of infection, time of development, localization of different stage larvae within host, time and distance of flight of adult females: lowland, foothill, and mountain zones of Azerbaidzhan SSR

Development, Arthropoda
Tashkinov, N. I., 1972, Parazitologiia, Leningrad, v. 6 (4), 326-333
Oedemagena tarandi in reindeer of different age and sex groups, larval development, larval emergence, flight and attacking activity of imagos: seasonal and daily dynamics, weather effects, other factors

Development, Arthropoda
Oedemagena tarandi, rate of development and survival in [Rangifer tarandus] (exper.)

Development, Arthropoda
Rhipicephalus appendiculatus, temperature, humidity, and vegetation, effects on development and survival

Development, Arthropoda
Dermacentor silvarum, egg hatches in constant humidity conditions, weight changes during development

Development, Arthropoda
Zolotova, S. I.; and Afanas'eva, O. V., 1971, Parazitologiia, Leningrad, v. 5 (4), 364-368
Ctenophthalmus dolichus, rate of development in relation to temperature and humidity

Development, Arthropoda
Zolotova, S. I.; and Iakunin, B. M., 1973, Parazitologiia, Leningrad, v. 7 (1), 24-30
Pulex irritans, rate of development under different experimental conditions of temperature and humidity
Development, Cestoda
Andersen, K., 1978, Parasitology, v. 77 (1), 111-120
Diphyllobothrium latum, growth and development in Mesocricetus auratus and Alopex lagopus, comparison with D. dendriticum and D. ditremum, implications of observed differences between these three species to classification of diphyllobothrid cestodes

Development, Cestoda
Begoian, Zh., 1977, Biol. Zhurnal Armeii, v. 30 (8), 79-84
Khawia armeniaca, morphogenesis in definitive host Varicorhinus capoeta sevangi: various areas of Sevan island

Development, Cestoda
Bieler, J.; and Jones, A. W., 1971, Radiation Research, v. 45 (1), 182-190
Hymenolepis microstoma, ionizing radiation of cysticercoids causes delay in development of tapeworm with length of delay depending on developmental stage during which cysticercoid is irradiated, delay greatest on days 3 and 4 of development

Development, Cestoda
Aploparakis birulai, postembryonic development in Lumbriculus, morphological and histological descriptions; cysticercoid is floricer type

Development, Cestoda
Ophiotaenia gracilis, development of larval stages in Eucyclops agilis (exper.)

Development, Cestoda
Chowdhury, N.; and De Rycke, P. H., 1976, Acta Parasitol. Polon., v. 24 (1-10), 95-102
Hymenolepis microstoma, early post-embryonic development, morphogenesis with particular attention to calcareous corpuscles

Development, Cestoda
Chowdhury, N.; and De Rycke, P. H., 1977, Ztschr. Parasitenk., v. 53 (2), 159-169
Hymenolepis microstoma, calcareous capsules in cysticercoids and adults, structure, processes of formation, and possible functions

Development, Cestoda
Raillietina tetragona, R. tunetensis, distribution of calcareous corpuscles in pre-gravid and gravid proglottids and role in formation of egg-pouches

Development, Cestoda
Shipleya inermis, embryogenesis of oncosphere, scanning and transmission electron microscopy of submucosal capsule, outer capsule, outer envelope

Development, Cestoda
Coil, W. H., 1979, Ztschr. Parasitenk., v. 59 (2), 151-159
Cittotaenia variabilis, embryogenesis, transmission and scanning electron microscopy

Development, Cestoda
Bothriocephalus gowkongensis in cyprinid fishes, growth, development, and fertility in relation to temperature, host age and diet, and intensity of invasion

Development, Cestoda
Triaenophorus nodulosus, localization and dynamics of glycogen and lipids in all developmental stages

Development, Cestoda
Multiceps endotheracicus, morphogenesis of infective larval stages

Development, Cestoda
Ito, A.; Yamamoto, N.; and Okamoto, K., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (6), 345-349
Hymenolepis nana, application of Ito's method to collection of early tissue stages from mouse intestine, development of infective cysticercoids

Development, Cestoda
Jarecka, L., 1975, Acta Parasitol. Polon., v. 23 (1-11), 93-114
ontogeny and evolution of cestodes

Development, Cestoda
Bioecocestus asper, development, dioecious cysticercoids containing unusually long, sterile strobilae, cirri in sterile proglottids of male worms, gonads develop only in new proglottids in final host intestine, sterile proglottids expelled

Development, Cestoda
Triaenophorus, monographic review of morphology, life cycle, development, geographic distribution, interrelation with host and pathogenic role, host specificity, evolution, species formation; key to species, host list, synonymy, includes: T. nodulosus (Pallas, 1781); T. amurensis Kuperman, 1968; T. stizostedionis Miller, 1945; T. crassus Forel, 1868; T. meridonialis Kuperman, 1968; T. orientalis Kuperman, 1968

Development, Cestoda
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Cysticercus tenuicollis, scolex structure, maturation to mature Taenia hydatigena in dogs (exper.)

Development, Cestoda
Machnicka, B. et al., 1977, Acta Parasitol. Polon., v. 25 (1-10), 55-62
Cysticercus bovis in calves (exper.), morphogenetic, localization, host tissue reaction, immunological findings in indirect immunofluorescence test, histological and histochemical study of bladder

Development, Cestoda
Maksimova, A. P., 1972, Parazitologiia, Leningrad, v. 6 (3), 283-290
Retinometra guberiana, Parabisaccanthes philactes, experimental development in intermediate hosts (cyclops)

Development, Cestoda
Misiura, M.; and Szebenbaum, D., 1975, Acta Parasitol. Polon., v. 23 (26-40), 347-353
Soboletvicantus gracilis, Retinometra guberiana, differentiation of larvae on the basis of development in different intermediate hosts and morphology: Guber Lake, Mazurian Lakeland

Development, Cestoda
Hymenolepis diminuta, histochemical study of development of embryonic hooks

Development, Cestoda
Taenia saginata, development of gamma-irradiated oncospheres in calves

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Schistoscephalus solidus, procedures for maintenance in laboratory, growth of plero-cercoids, relationship between number of proglottids and weight (age) of plerocercoid

Development, Cestoda
Pavliuk, R. S., 1973, Parazitologiia, Leningrad, v. 7 (4), 353-356
Triaenophorus nodulosus, changes in ultrastructure of adult worms in Mesocricetus arvalis (exper.), hepatic pathology

Development, Cestoda
Parker, J., 1973, Tropenmed. u. Parasitol., v. 18 (27-41), 315-322
Echinococcus multilocularis, Central European strain, morphological and biochemical studies of larval stages in Microtus arvalis (exper.), hepatic pathology

Development, Cestoda
Skriabin, A. S., 1972, Parazitologiia, Leningrad, v. 6 (5), 426-434
Phyllobothrium, life cycle, morphology of larval stages

Development, Cestoda
Hymenolepis nana, rats experimentally infected with eggs, occurrence of migration to mesenteric lymph nodes (with development to young adults) and liver (cysticercoids found)

Development, Cestoda
Hymenolepis peromysci, growth and development of cysticercoids in Tribolium confusum (exper.) and of adult worms in Mesocricetus auratus (exper.)

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Hymenolepis diminuta, development of reproductive system

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Proteocephalus longicollis, embryonic envelope formation, electron microscopy

Development, Cestoda
Vogel, H., 1977, Tropenmed. u. Parasitol., v. 28 (4), 409-427
Echinococcus multilocularis, Central European strain, morphology and development of larval stages in Microtus arvalis (exper.), hepatic pathology

Development, Cestoda
Vogel, H., 1978, Tropenmed. u. Parasitol., v. 29 (1), 1-11
Echinococcus multilocularis in Microtus arvalis (exper.), cyst growth and structure

Development, Cestoda
Glaridacris vogei, larval development

Development, Cestoda
Hamatolepis teresoides, attempted exper. infection of 10 potential intermediate hosts, development to cysticercoid only in Heterocypris incongruens, inhibited development in Cypridopsis vidua, Dolerocypris fasciata, and Notodromas monacha

Development, Cestoda
Echinococcus multilocularis, cells derived from germinal layer, development in vitro and in vivo (in diffusion chambers implanted in abdominal cavity of laboratory rodents) compared
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Thelohania opacita, detrimental effect on growth and development of Aedes caspius caspius from natural populations

Development, Host

Nosema whitei-infected Tribolium castaneum, growth and mortality when fed vitamin B-complex vs. -deficient diets

Development, Host

Rau, M. E.; and Gordon, N. M., 1978, Canad. J. Zool., v. 56 (8), 1765-1767
Helminths overwintering in garter snakes, host hypobiosis not accompanied by significant changes in prevalence or intensity of parasite infections: Ille Perrot, Province Quebec, Canada

Development, Miscellaneous phyla

Karna, D.; and Millemann, R. E., 1978, J. Parasitol., v. 64 (3), 528-537
Margaritifera marginatigera, comparative susceptibility of 4 species of salmonid fish determined by examination of caged and uncaged (native) fish, parasite development and associated histopathology, glochidia development in mussels in relation to temperature: Siletz River, western Oregon

Development, Miscellaneous phyla

Luetzen, J., 1979, Ophelia, v. 18 (1), 1-51
Enteroxenos oestergreni in Stichopus tremulus and E. parastichopolis in Parastichopus californicus, detailed life history, frequency, infection sites, reproduction, metamorphosis of male larvae completed by implantation in female's central cavity, biology and anatomy of male E. oestergreni; biology compared with other species of Entoconchidae; effect of E. oestergreni on host

Development, Miscellaneous phyla

Polypodium hydriforme, nematocyst development in parasitic stolon, electron microscopy

Development, Nematoda

Ansari, M. Z.; and Singh, K. S., 1978, J. Helminth., v. 52 (4), 283-286
Gaigeria pachyscelis, gamma-irradiation of infective larvae, no significant effect in vitro survival, marked reduction in worm establishment in lambs with development of sterile and stunted worms, male larvae more sensitive to irradiation effects than female

Development, Nematoda

Arizono, N., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (4), 274-282
Strongyloides planiceps, differentiation into three developmental types (free-living males, free-living females, and infective larvae), effects of quantity of food (feces) and population density

Development, Nematoda

Arizono, N., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (4), 328-335
Strongyloides planiceps, differentiation into three developmental types (free-living males, free-living females, and infective larvae), effect of temperature

Development, Nematoda

Neomesomeris flumenalis free-living stages from field-collected blackfly larvae, culture methods and development in laboratory

Development, Nematoda

Barus, V., 1970, Polia Parasitol., v. 17 (1), 49-59
Subulura suctoria, development and morphology of larval stages in Alphitobius diaperinus, effect of temperatures on length of larval development

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Camallanus adamsi in Mesocyclops leuckarti (exp.) and Thermocyclops crassus (exp.), development, 3 larval stages

Development, Nematoda

Batson, B. S., 1979, Internat. J. Parasitol., v. 9 (6), 495-507
Gastroceneris boophthorae, body wall, ultrastructural changes during life cycle, alkaline phosphatase activity, relationship to transcuticular uptake of nutrients

Development, Nematoda

Batson, B. S., 1979, Internat. J. Parasitol., v. 9 (6), 505-514
Gastroceneris boophthorae, trophosome, ultrastructure at selected points in life cycle, functional considerations

Development, Nematoda

Nematospioroides dubius, arrested development of larvae in immune mice, resumption of development after cortisone treatment, arrested larvae were insusceptible to activity of pyrantel embonate

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Ascaridia galli-infected chickens, worm burdens with reference to arrested development and worm expulsion, effect of glucocorticoids
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Development, Nematoda
Birova, V.; Calvo, A.; and Ovies, D., 1979, Poeyana (190), 1-16
Tropisurus confusus, developmental cycle in Porcellionides pruinosus (exper.)

Development, Nematoda
Bonner, T. P., 1979, J. Parasitol., v. 65 (1), 74-78
Nippostrongylus brasiliensis, 3rd-stage larvae, initiation of development in vitro evaluated on basis of morphology and RNA biosynthesis, effect of actinomycin-D, results support idea that elevation of temperature and certain nutritional components stimulate transcription of portion of genome coding for development into parasitic phase

Development, Nematoda
Bonner, T. P., 1979, J. Parasitol., v. 65 (5), 745-750
Nippostrongylus brasiliensis, changes in structure of intestinal cells during development from free-living to parasitic stages

Development, Nematoda
nematodes in cattle, post-parturient rise of egg-output, epidemiological consequences

Development, Nematoda
Burden, D. J.; and Hammet, N. C., 1979, Research Vet. Sc., v. 26 (1), 66-70
Trichuris suis ova in pig feces, development and survival on pasture plots: south of England

Development, Nematoda
Ostertagia circumcincta, ecology of free-living stages, development and survival on herbage and soil: western Victoria, Australia

Development, Nematoda
Trichostrongylus axei, ecology of free-living stages: development and survival of eggs and larvae, corresponding meteorological data: Pastoral Research Institute, Hamilton, Victoria, Australia

Development, Nematoda
Trichostrongylus vitrinus, development and survival of free-living stages, some corresponding meteorological data: western Victoria, Australia

Development, Nematoda
Brugia pahangi, in vitro cultivation in variety of culture systems, effect of temperature and pH on survival of infective stage larvae in vitro, growth and development of larvae in vitro and in vivo, effect of CO2 on infective larvae in vitro, growth and development of early mammalian stages in vitro, electron microscope observations

Development, Nematoda
Dirofilaria immitis, development in Aedes trivittatus (exper.), transmission to susceptible dog, role of mosquito as natural vector discussed

Development, Nematoda
Dirofilaria immitis in Aedes trivittatus (exper.), effect of different temperatures on developmental rate, intensity of infection, and infection rate

Development, Nematoda
Parascaris equorum in worm-free pony foals (exper.), migration and development

Development, Nematoda
Onchocerca volvulus, Guatemalan strain, comparison of development in Simulium ochraceum and S. metallicum

Development, Nematoda
Gastro-intestinal nematodes, development in calves born during dry season: Guaira, Sao Paulo State, Brazil

Development, Nematoda
Cross, J. H.; Banzon, T.; and Singson, C., 1978, J. Parasitol., v. 64 (2), 208-213
Capillaria philippinensis, development in Meriones unguiculatus given larvae from experimentally infected Hypselotris bipartita or fed naturally infected H. bipartita, auto-infection is integral part of life cycle, parasite can also be maintained in laboratory by serial passage from gerbil to gerbil, erratic and short-lasting infections developed in Rattus norvegicus and R. rattus exposed to infection with larvae from experimentally infected fish: Philippines

Development, Nematoda
Denke, A. M.; and Bain, O., 1978, Ann. Parasitol., v. 53 (6), 757-760
Onchoecerca ochengi, development in Simulium damnosum s.l.
SUBJECT HEADINGS

Development, Nematoda
Brugia pahangi, B. malayi, development of artificially exsheathed microfilariae in cultures of mosquito cells

Development, Nematoda
Eberhard, M. L.; Lowrie, R. C., jr.; and Orihel, T. C., 1979, J. Parasitol., v. 65 (1), 89-95
Dipetalonema gracile, D. caudispina, development to infective stage in Culicoides hollensis (abdominal fat body) (exper.), pattern and duration of morphogenesis

Development, Nematoda
Ellis, D. S.; et al., 1978, J. Helminth., v. 52 (1), 7-10
Dipetalonema viteae, intraterine development of microfilariae, comparison with Brugia pahangi

Development, Nematoda
Protoschistosoma rufescens, Muellerius capillaris, Cystocaulus ocreatus, Neostrongylus linearis, laboratory animals not successful hosts for study of development; differentiation of third-stage larvae of Cystocaulus ocreatus and Neostrongylus linearis

Development, Nematoda
equine strongyles, free-living stages in feces and on pasture, seasonal changes in rates of development and survival: Moggill, Brisbane, Queensland

Development, Nematoda
Trichostrongylus spp. in sheep, inhibition of development as third stage larvae

Development, Nematoda
Eysker, M., 1979, Research Vet. Sc., v. 26 (1), 115-116
Haemonchus contortus larvae, occurrence of crystalline inclusions in intestinal cells, may be associated with retardation of development

Development, Nematoda
Finney, J. R., 1977, Nematologica, v. 23 (4), 479-480
Romanomermis culicivorax, development in vitro culture

Development, Nematoda
Fukutome, S., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (2), 49-54
Ancylostoma braziliense, A. ceylanicum, mice (exper.), migratory behavior and development

Development, Nematoda
gastrointestinal nematodes, race horses, climate variability, egg hatching, larval development to infective stage, presence of infective larvae on herbage in various seasons

Development, Nematoda
Georgej, J. R.; et al., 1979, Parasitology, v. 79 (1), 39-47
Filaroides hirthi, migration and full development in Canis familiaris, development to 3rd stage in vitro

Development, Nematoda
Ostertagia, Trichostrongylus, Haemonchus, Nematodirus, sheep, development and survival of third-stage larvae on paddocks after summer and autumn contamination dependent upon ground temperature; overwintering of all four genera until start of next grazing season

Development, Nematoda
Gupta, R. P.; and Gibbs, H. C., 1976, Haryana Agric. Univ. J. Research, v. 6 (5-4), 203-207
Dictyocaulus viviparus, description of inhibited fourth and fifth stage larvae recovered from calves (lungs) (nat. or exper.) in autumn after four weeks in parasite-free conditions

Development, Nematoda
Strongyloides papillosus, development of free-living stages

Development, Nematoda
Mastophorus murs, ultrastructure of somatic muscle development

Development, Nematoda
Haque, A.; et al., 1978, Parasitology, v. 76 (1), 77-84
Dipetalonema viteae, hamsters, female adult worms suppress but male adults enhance microfilaraemia of infection initiated with infective larvae, male worms release re-factor(s) which enhance microfilaraemia, microfilariae production by implanted female worms is inhibited by developing infective larvae

Development, Nematoda
Ho, B. C.; et al., 1977, J. Med. Entom., v. 13 (4-5), 531-535
Breinlia booliati, relative susceptibility of 8 insectary-reared mosquito species, larval growth rate and development, role of these potential vectors in natural transmission

Development, Nematoda
Syngamus trachea, amphids and amphidial glands, ultrastructure in newly moulted, immature, and mature adults, development of secretory activity
Development, Nematoda
Ko, R. C., 1979, J. Helminth., v. 53 (2), 121-126
Angiostrongylus cantonensis, intracranial transplantation into rats from mice and into rabbits from rats, subsequent growth and development

Development, Nematoda
Komma, M. D., 1972, Rev. Patol. Trop., v. 1 (1), 45-50
Necator americanus, development of eggs into infective filariform larvae, culture on filter paper

Development, Nematoda
Brugia pahangi, ultrastructure of 1st stage larvae in Aedes togoi is described up to onset of 1st cuticular molt

Development, Nematoda
Ostertagia circumcincta, development of simultaneous resistance to thiabendazole, morantel tartrate, and levamisole, multiple selection associated with increase in O. circumcincta in population and increase in larval inhibition

Development, Nematoda
Romanomermis culicivorax as biological control agent of Culex quinquefasciatus, polluted water had little or no adverse effect on viability, infectivity, or development of nematode: Sanibel Island, Lee County, Florida

Development, Nematoda
Physaloptera maxillaris, development to infective stage in Gryllus pennsylvanicus (ileum) (exper.), description of larval stages

Development, Nematoda
Lowe, R. C., jr.; Eberhard, M. L.; and Orihel, T. C., [1979], J. Parasitol., v. 64 (6), 1978, 1003-1007
Tetrapetalonema marssonetta, development to infective stage in Ceyioides hollensis and C. fures (thoracic flight muscles) (both exper.), results suggest species of Ceyioides are probable natural vectors and also open way for laboratory maintenance of this parasite

Development, Nematoda
Lyons, E. T.; and Keyes, M. C., 1978, J. Parasitol., v. 64 (3), 454-458
Uncinaria lucasi in Callorhinus ursinus, differential infectivity in pups of parasitic 3rd stage larvae from belly tissues of bulls and bachelors vs. those from pregnant cows, also appears to be relationship between size of larvae and their maturation capability, pregnancy hormones may provide explanation

Development, Nematoda
Strongyloides ransomi, ponies (exper.), development, lesions from 10 to 72 weeks postinfection

Development, Nematoda
Ostertagia ostertagi, Trichostrongylus axei, Haemonchus contortus, seasonal dynamics in calves, discussion in relation to inhibition of larval development and spring rise phenomenon: Poland

Development, Nematoda
Ostertagia ostertagi, Cooperia oncophora, arrested development, seasonal effects on conditioning and deconditioning of infective larvae were minimal

Development, Nematoda
Michel, J. F.; and Houston, M. B.; and Hong, C., 1979, Parasitology, v. 79 (1), 157-168
Ostertagia ostertagi, cattle, effect of age, previous experience of infection, pregnancy, and lactation on resistance to establishment of worms, rate at which populations are turned over, and arrested development

Development, Nematoda
Mirzayans, A., 1971, Folia Parasitol., v. 18 (1), 93-95
Trichostrongylus axei, development and survival of free-living stages on grass plots during autumn: south-east England

Development, Nematoda
Moncol, D. J.; and Triantaphyllou, A. C., 1978, J. Parasitol., v. 64 (2), 220-225
Strongyloides ransonii, factors influencing sex expression and developmental pattern of progeny of parasitic females: appearance of males attributed to effect of host immunity, physiological ageing of parasitic females, or both, sex determined prior to hatching; cultural conditions (pH, culture substrate) influenced direction of development of female rhabditoid larvae

Development, Nematoda
Mominick, W. M.; and Davev, K. G., 1974, Canad. J. Zool., v. 52 (9), 1199-1200
Leidynema appendiculata, precocious development of eggs in Periplaneta americana

Development, Nematoda
Heterakis gallinarum, chickens, development and distribution in caecum

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Spirocerca lupi, life cycle, development in intermediate and final hosts, description of egg, 1st, 2nd, and 3rd stage larvae
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Ancylostoma tubaeforme, free-living phase, roles of temperature, pH, salinity, and lipid content in development

Development, Nematoda
Oakley, G. A., 1979, Vet. Rec., v. 104 (20), 460
Dictyocaulus viviparus, calves, delayed development of infection, case history, larvae may not only survive winter conditions, but persist in sufficient numbers to cause disease

Development, Nematoda
Haemonchus contortus, Trichostrongylus spp., sheep, termination of arrested development, time of year: northern Nigeria

Development, Nematoda
Ogunsusi, R. A., 1979, Research Vet. Sc., v. 27 (1), 131-132
Haemonchus contortus, sheep, oxfendazole, haloxon, efficacy against arrested larvae, controlled trial, dry season: northern Nigeria

Development, Nematoda
Ogunsusi, R. A.; and Eysker, M., 1979, Research Vet. Sc., v. 26 (1), 108-110
Haemonchus contortus, Trichostrongylus spp., sheep, termination of arrested development during rainy season: Zaria, northern Nigeria

Development, Nematoda
Olsson, G., 1977, Svensk Vet.-Tidn., v. 29 (9), 361-365
Ostertagia sp., cattle, inhibited fourth stage larvae found in abomasum from September-October until May: Uppsala, Sweden

Development, Nematoda
Omar, M. S.; Denke, A. M.; and Maybould, J. N., 1979, Tropenmed. u. Parasitol., v. 30 (2), 157-162
Onchocerca ochengi, development to infective stage in Simulium damnosum complex (probably S. sanctipauli) (nat. and exper.); histochemical staining of larval stage acid phosphatase distribution pattern in flies; comparisons of development and staining with that of O. volvulus: southwest Togo

Development, Nematoda
Omar, M. S.; and Schulz-Key, H., 1978, Tropenmed. u. Parasitol., v. 29 (3), 359-363
Onchocerca volvulus, development of larval stages in Simulium damnosum determined by acid phosphatase activity staining patterns

Development, Nematoda
Omar, M. S.; and Zielke, E., 1978, Tropenmed. u. Parasitol., v. 29 (3), 364-370
Wuchereria bancrofti larvae, abortive development in refractory strain of Culex pipiens fatigans (exper.) from Liberia, West Africa

Development, Nematoda
Syngamus trachea female, histology of reproductive organs in various stages of postembryonal development

Development, Nematoda
Prichard, R. K.; et al., 1978, Vet. Rec., v. 102 (17), 382
Ostertagia ostertagi arrested 4th stage larvae, incorporation of C14-labeled thia-bendazole no lower than that of adult worms, increased tolerance may be due to lower energy demands of arrested larvae, higher efficacy can be achieved by persistently high anthelmintic concentrations in host

Development, Nematoda
Tetrameres mohtedai, successful completion of life cycle using Porcellio laevis and White Leghorn chicks (both exper.), larval development and measurements, simultaneous infection of both hosts with Acuria spiralis

Development, Nematoda
Tangua anomala, embryology, suitable model to demonstrate characteristic cleavage pattern

Development, Nematoda
Trichostrongylus axei, T. colubriformis, effect of temperature on development of pre-parasitic stages, controlled conditions; behavior of both species similar, but developing stages of T. axei had greater ability to withstand adverse conditions

Development, Nematoda
Ascaridia galli, effect of X-irradiation on development, varied dose and time of radiation
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strongylid nematodes of horse, free-living stages, effect of temperature on hatching time and development rates

Development, Nematoda
Haemonchus contortus, ovine, fourth stage larvae, inhibited development, morphological aspects, cylindrical crystals in intestinal cells

Development, Nematoda
Bunostomum trigonocephalum, hatching and development of eggs in vitro, route of infection and prepatent period in goats (exper.)

Development, Nematoda
Sauerlaender, R., 1979, Ztschr. Parasitenk., v. 59 (1), 53-66
Muellerius capillaris in Cepaea nemoralis (exper.), exposure period, developmental period from 1st to 3rd stage larvae, individual exposure vs. mass exposure, super-infections, infectivity following storage below freezing-point, localization of larvae, host cellular reaction

Development, Nematoda
Haemonchus contortus, lambs (abomasum, faeces), casualties of young lambs following prolonged rainy season, further casualties at end of following dry season associated with inhibited H. contortus larvae suggest chronic haemonchosis syndrome (lambs had been previously treated with thiabendazole and rafoxanide); high pasture infection: Shika, near Zaria

Development, Nematoda
trichostrongylid fecal egg output of lambing and non-lambing ewes in 2 sheep flocks in dry season of 1975/1976 and 1976/1977, effect of lactation vs. that of seasonal development of hypobiotic larvae, difference between the 2 dry seasons was associated with different rainfall patterns during 1975 and 1976: northern Nigeria

Development, Nematoda
Trichocephalus muris, embryonic development in vitro and post-embryonic development in mice described, morphological criteria for recognition of embryo and larval stages of Trichocephalus

Development, Nematoda
Siddiqui, M. N.; and Meerovitch, E., 1977, Pakistan J. Zool., v. 9 (1), 51-57
Trichinella spiralis, 3 newly isolated strains compared with classical strain during intestinal phase of infection in rats (moulting pattern, 4 recovery of adult worms, their size and sex ratio), significantly smaller size of worms in 3 new strains, inhibition of development expressed by host resistance as one of several possible causes

Development, Nematoda
Ostertagia circumcincta, sheep, parasitological, clinical, and hematological changes after multiple infections especially in relation to inhibition of larval development

Development, Nematoda
Ascarops strongylina, development from egg to third stage larva in intermediate host (Geotrupes stercorarius) in 28-30 days at temperature of 17-21°

Development, Nematoda
Parasitaphelenchus papillatus, development of various stages in body cavity of Blastophagus piniperda or in its tunnels and frass

Development, Nematoda
Cooperia oncophora, calves (exper.), larvae conditioned at certain temperatures prior to infection had inhibited development, photoperiod or presence of light prior to infection did not affect development

Development, Nematoda
Trichonema spp., re-infection of mature (9 and 10 year old) parasite-free sensitized ponies, findings indicate development of strong resistance which may be partly associated with host age and demonstrate the pathogenesis of inhibited larvae which may be retained by resistant ponies for prolonged periods of time

Development, Nematoda
gastrointestinal helminths, resumption of development of inhibited larvae in calves stabled overwinter

Development, Nematoda
Soboleva, T. N., 1972, Parazitologiiia, Leningrad, v. 6 (6), 562-566
Hasstilesia ochotonae, life cycle, description of developmental stages
Development, Nematoda
Strongyloides stercoralis, life cycle, larval survival and development under different conditions of temperature, humidity, and pH in soil, water, feces, hogwash, and cow dung, potential for transmission under climatic conditions of Poland

Development, Nematoda
Ophidascaris spp., Amblyocicum roberti, review of speciation, development, and geographic distribution with particular reference to migratory behavior and growth in tissues of experimentally infected mice and pythons

Development, Nematoda
Stewart, G. L.; Soifer, F. K.; and Stewart, J. B., 1979, J. Invert. Path., v. 33 (1), 75-90
Dirofilaria immitis, effects of different carbohydrate diets on survival, fecundity, and egg viability in infected Aedes aegypti and on development of 3rd stage larvae of nematodes

Development, Nematoda
Amidostomum anseris, eggs and larvae, development, resistance to various temperatures and desiccation under laboratory conditions

Development, Nematoda
Amidostomum anseris, duration of prepatent, patent, and postpatent periods of infection in domestic geese (exper.), some variation in relation to host age but not to season nor to primary vs. secondary infection

Development, Nematoda
Angiostrongylus malaysiensis in Lymnaea rubiginosa, Physa mapane, and Melanoides tuberculata (all exper.), development, histopathology, encapsulation, comparative host reaction

Development, Nematoda
Cystocaulus ocreatus, sheep (lungs), age of host, morphology, histopathology in intermediate and definitive hosts, development, monograph: Central Slovakia

Development, Nematoda
Theron, A., 1975, Vie et Milieu, s. C, Biol. Terr., v. 25 (1), 49-54
Sphylabiosyllis nasicoila, larval development in Helicella arenosa and Euparypha pisana (both exper.)

Development, Nematoda
Thomas, R. J.; and Waller, P. J., 1979, Research Vet. Sci., v. 26 (2), 209-212
Abomasal nematodes, lambs, epidemiology during winter and spring: infective pasture larval availability, parasite population changes and inhibition patterns: Northumberland

Development, Nematoda
Philometroides huronensis, morphology, growth, and development of larval stages in copepods, transmission to Catostomus commersoni held at controlled temperatures and photoperiods

Development, Nematoda
Waller, P. J.; and Thomas, R. J., 1978, Internat. J. Parasitol., v. 8 (4), 275-283
Ostertagia spp., epidemiology in natural parasite populations in sheep raised under intensive conditions, climatic conditions, egg counts and pasture larval availability, seasonal worm burdens, inhibition of larval development: north-east England

Development, Nematoda
Ostertagia circumcincta in tracer lambs (susceptible) vs. continuously grazed lambs (potentially resistant) over course of seasonal exposure to natural infection, worm burdens, % larval inhibition, parasite sex ratio, vulval flap pattern, worm size, results indicate importance of host-induced effects on morphological development

Development, Nematoda
Wharton, D. A., 1979, Exp. Parasitol., v. 48 (3), 398-406
Ascaris lumbricoides, eggs, effect of humidity on embryonic development, rate of water loss during desiccation, effect of temperature on water loss

Development, Nematoda
Wharton, D. A., 1979, Parasitology, v. 78 (2), 131-143
Aspiculuris tetraperteta, gross morphology of reproductive system, oogenesis, fertilization, egg-shell formation, cap cell and rachis, cytoplasmic inclusions of oocyte, formation of uterine layers

Development, Nematoda
Wharton, D. A., 1979, Parasitology, v. 79 (1), 11-28
Sphyacia obvelata, structure and histochemistry of egg-shell, gross morphology of reproductive system, cytoplasmic inclusions of oocyte, shell formation

Development, Nematoda
Yamashita, T.; et al., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (3), 114-121
Angiostrongylus cantonensis, rats, mice, guinea pigs (all exper.), development

Development, Nematoda
Angiostrongylus cantonensis, development in Meriones unguiculatus and Praomys natalensis compared for determining suitable laboratory model
Development, Nematoidea
Zen'kov, A. V.; and Gudimenko, I. I., 1975
Vet. Nauka-Proizvod., Trudy, Minsk, v. 12, 125-127
ascarids, [Trichuris], [Oesophagostomum], development of eggs under climatic conditions in relation to seasonal climatic conditions: Minsk oblast, Belarus

Development, Nematoidea
ascarids, [Trichocephalus], [Oesophagostomum], development of eggs under climatic conditions of Minsk oblast

Development, Nematoidea
Zielke, E., 1979, Tropenmed. u. Parasitol., v. 30 (2), 163-169
Brugia malayi, B. pahangi, percentage of larvae carried by vector (Aedes aegypti) which reach maturity in Meriones unguiculatus (exper.); distribution in final host

Development, Protozoa
Haemoproteus columbae in pigeons, growth and development of gametocytes, effect on host cell, multiple infection of erythrocytes, sex ratio

Development, Protozoa
de Almeida, D. F.; and da Souza, W., 1978, J. Parasitol., v. 64 (1), 17-22
Herpetomonas samuell DONE in basic medium or in complex medium obtained through addition of various concentrations of KCl, NaCl, or glycerol, growth curves, changes in cell volume as function of osmolarity of medium, corresponding morphological changes

Development, Protozoa
Andreadis, T. G.; and Hall, D. W., 1979, J. Protozool., v. 26 (3), 444-452
Amblyospora sp., development, ultrastructure, and mode of transmission in Culex salinarius

Development, Protozoa
Augustine, P. C.; and Doran, D. J., 1978, J. Protozool., v. 25 (1), 82-86
Eimeria meleagritis, development from sporozoites and merozoites in turkey kidney cell cultures

Development, Protozoa
Plasmodium v. vinckei, P. b. berghei, biology of rodent malaria, a monograph covering life cycle in vertebrate and invertebrate hosts, light and electron microscopic study of morphology

Development, Protozoa
Trypanosoma dionisi, effect of various agents (including temperature, complement, trypsin, cytochalasin B and immune plasma) on attachment and entry to mouse peritoneal macrophages in vitro, and subsequent morphogenesis; attachment occurred to non-specific receptors, entry by phagocytosis

Development, Protozoa
Cryptobia catatomi in Catostomus commersoni (blood), division and morphogenesis, explanation for variation in parasite size

Development, Protozoa
Sarcocystis dispersa in mice, asexual multiplication directly in cytoplasm of hepatic cells without formation of parasitophorous vacuole, new process of endogenesis (multiple synchronous endopolygenesis)

Development, Protozoa
Trypanosoma rangeli in Rhodnius ecuadoriensis, confirmation of natural infection by dissection and by transmission to white mice, parasite developmental stages

Development, Protozoa
Trypanosoma rangeli, Peruvian strain, growth and development in Rhodnius ecuadoriensis experimentally infected by feeding on guinea pigs, capacity to transmit infection to mice by bite, but not by inoculation of forms eliminated in feces, parasite developmental periods

Development, Protozoa
Schneideria schneiderae, effects of several metabolic inhibitors on penetration of sporozoites into host cells and intracellular development of trophozoites

Development, Protozoa
Schneideria schneiderae, development in abnormal host Plastosciara sp. (exper.) compared to that in normal host Trichosia pubescens (exper.)

Development, Protozoa
Schneideria schneiderae, in Trichosia pubescens (exper.), entry into and development in cells of intestinal caecum, host cell-symbiotic interrelations, metabolic exchanges, symbiotic bacteria in cytoplasm of Schneideria, ultrastructural study

Development, Protozoa
Henneguyida adiposa, ultrastructure of plasmodium wall and sporogenesis
Development, Protozoa

Current, W. L.; Janovy, J., jr.; and Knight, S. A., 1979, J. Protozool., v. 26 (4), 574-583
Myxosoma funduli, plasmodium wall, sporogenesis, ultrastructure

Development, Protozoa

Babesia bigemina, B. bovis, development, in incubated Boophilus microplus eggs, and B. bigemina in unfed larval ticks held at 37°C, infectivity for calves, results indicate that high environmental temperature may be only stimulus required for development of infective Babesia within the tick

Development, Protozoa

Dalgliesh, R. J.; and Stewart, N. P., 1979, Internat. J. Parasitol., v. 9 (2), 115-120
Babesia bovis, morphology, development, and infectivity for cattle of parasites in unfed Boophilus microplus larvae after incubation at various temperatures

Development, Protozoa

Grebeckiella pixelliae, ultrastructure of early developmental stages

Development, Protozoa

Martelli, development, taxonomic implications, affinities with Myxosporida, Actinomyxida, and Paramyxida, "C'est dans ce sous-embranchement [Cnidospora] qui nous semble devoir etre maintenu et complètement redéfini que s'insèrent en toute logique les Marteillidae. ... nous proposons pour l'instant de créer un nouvel et quatrième ordre des Marteillidae."

Development, Protozoa

Desser, S. S., 1978, J. Parasitol., v. 64 (5), 933-935
Eimerid coccidia, evidence of extraintestinal development in pigs and chameos (liver)

Development, Protozoa

Desser, S. S.; and Allison, P. B., 1979, J. Parasitol., v. 65 (5), 737-744
Leucocytozoon tawaki in Austrosimilium unguiculatum, ultrastructure of sporogenic development, nature and significance of crystalloid inclusions

Development, Protozoa

Myxobolus sp. in Notropis cornutus, spores and various stages of sporogenesis, ultrastructural and cytochemical observations

Development, Protozoa

Toxoplasma gondii, direct development of enteropithelial stages in intestines of cats (exper.), hypothesis of extraintestinal pregametogenic stages not confirmed

Development, Protozoa

Dubremetz, J. F.; and Elsner, Y. Y., 1979, J. Protozool., v. 26 (3), 367-376
Eimeria bovis, schizogony and merogenesis in cell culture, ultrastructural study

Development, Protozoa

Henneguya spp., developmental stages in hosts, histopathological changes in fish gill, inflammatory reaction may be a temperature dependent immune response: South Bohemia

Development, Protozoa

Erans, D. A.; Hillis, D. S.; and Stanford, S., 1979, J. Protozool., v. 26 (4), 557-563
Trypanosoma congonense, development in Glossina morsitans morsitans, ultrastructure

Development, Protozoa

Eimeria brunetti, sporulation of oocysts, development of zygote and formation of sporoblasts, light and electron microscopy

Development, Protozoa

Toxoplasma gondii, oocyst sporulation, zygote development, sporoblast formation, ultrastructure, light and electron microscopy

Development, Protozoa

Ferguson, D. J. P.; et al., 1979, Acta Path. et Microbiol. Scand., v. 87B (3), 183-190
Toxoplasma gondii, oocyst sporulation, sporocyst formation, structure of sporocyst wall, ultrastructure

Development, Protozoa

Trichomonas vaginalis, relationship between rate of parasite development in culture and content of DNA and RNA in parasite cells

Development, Protozoa

Eimeria dispersa, development in bovine kidney cell cultures

Development, Protozoa

Hepatozoon sylvatici transmitted from naturally to experimentally infected Apodemus sylvaticus and A. flavicollis by Ixodops agilis; L. agilis transmission of H. sylvatici to non-specific host, Clethrionomys glareolus; gonads of female mites possibly have stimulating effect on protozoan development; schizonts from bone marrow and liver of Apodemus flavicollis differ in morphology
Development, Protozoa
Plasmodium berghei berghei, erythrocytic forms inoculated into mouse embryos, development, reproduction, mice at birth had no evidence of infection or had overwhelming parasitemia with extended period of parasite development

Development, Protozoa
Trypanosoma equiperdum, development in mouse embryos, no resistance by host animals, fatal infections in all

Development, Protozoa
Babesia rodhaini, inoculation into mouse embryos on 15th day of gestation, delayed development

Development, Protozoa
Sarcocystis suicanis, pigs (exper.), ultrastructure and development of sarcocysts in muscle cells, light and electron microscopy

Development, Protozoa
Nuttallia danii, development within Hyalomma anatolicum excavaatum salivary glands held in organ culture in vitro

Development, Protozoa
Sarcocystis suihominis, pigs (exper.), fine structure of schizonts and formation of merozoites within various host organs

Development, Protozoa
Eimeria etrusca in Meriones rufus, endogenous stages of life cycle

Development, Protozoa
Ismailov, S. G., 1974, Parazitologiia, Leningrad, v. 8 (3), 261-265
Eimeria erythrourica Aotus trivirgatus, sporogony, endogenous stages of life cycle

Development, Protozoa
Stenodactylus carlogoni sp. n., systematics, biology and statistical analysis of morphology

Development, Protozoa
Eimeria vermiciformis, development from sporozoite to mature first-generation schizonts in cell cultures

Development, Protozoa
Anaplasma marginale, in vitro cultivation in bovine erythrocytes, growth pattern and morphology

Development, Protozoa
Anaplasma marginale, in vitro cultivation in normal ovine and bovine erythrocytes, transmission from infected ovine to normal bovine cells demonstrated, growth patterns

Development, Protozoa
Trypanosoma cotti, redescription of parasite in Enophrys bubalis and its development in its lice vector Calliobole punctata based on Brumpt’s original material

Development, Protozoa
Trypanosoma cruzi, in vitro metacyclic trypanostigotes purified from culture develop into amastigotes, multiply and transform into epimastigotes, increasing incubation temperature accelerates appearance of amastigotes but hinders further development

Development, Protozoa
Kirmse, F., 1979, Ztschr. Parasitenk., v. 59 (2), 141-150
Haemogregarina simondi, redescription of life cycle

Development, Protozoa
Kongtong, P.; and Inoki, S., 1975, Kiseichu-gaku Zasshi (Japan. J. Parasitol.), v. 24 (5), 284-293
Trypanosoma cruzi, trypomastigotes, epimastigotes, method of entry into fibroblast cells and intracellular development, scanning electron microscopy

Development, Protozoa
Krinsky, W. L.; and Hayes, S. F., 1978, J. Protozool., v. 25 (2), 177-186
Nosema pariki, fine structure of sporogenic stages from Ornithodoros parkeri (exper.)

Development, Protozoa
Landau, I.; et al., 1979, Ann. Parasitol., v. 54 (2), 145-161
Plasmodium yoelii, gametocytes, morphology, development, infectivity

Development, Protozoa
Langreth, S. G.; et al., 1978, J. Protozool., v. 25 (4), 443-452
Plasmodium falciparum, erythrocytic cycle in vivo, ultrastructure, comparison with in vivo (Aotus trivirgatus) life cycle stages
SUBJECT HEADINGS

Development, Protozoa
Trypanosoma congolense, development in local skin reactions on rabbits at sites of infection transmitted by Glossina morsitans, evidence from light and electron microscopy that these trypanosomes develop in connective tissue and are not confined to the vascular system, implications

Development, Protozoa
Luecht, I. G.; Millard, B. J.; and Scholtyseck, E. O., 1978, Parasitology, v. 76 (2), 185-191
Eimeria tenella, embryo-adapted strain, fine structure and development in chicken embryos, complete endogenous cycle is restricted to epithelial cells of choorio-allantoic membrane, no major ultrastructural changes have occurred as result of repeated embryo passage

Development, Protozoa
Trypanosoma cruzi, comparison of growth and development in 199 medium with inactivated calf serum or with chicken embryo cells at 37°C and 33°C

Development, Protozoa
McLaren, D. J.; et al., 1979, Parasitology, v. 79 (1), 125-139
Plasmodium knowlesi, interaction between malaria parasite and host erythrocyte, freeze fracture studies of internal cytoarchitecture of surface membranes

Development, Protozoa
Madden, P. A.; and Vetterling, J. M., 1978, J. Protozool., v. 25 (3, pt. 2), 298-301
Eimeria tenella, schizogony, scanning electron microscopy

Development, Protozoa
Martin, S. K.; et al., 1978, Exper. Parasitol., v. 44 (2), 239-242
Plasmodium gallinaceum, induction of male gametocyte exflagellation by phosphodiesterase inhibitors, implicates cyclic nucleotides in initiation of this process

Development, Protozoa
Mehlhorn, H.; and Heydorn, A. O., 1978, Advances Parasitol., v. 16, 43-97
Sarcosporidia, life cycle and fine structure, review

Development, Protozoa
Mehlhorn, H.; and Heydorn, A. O., 1979, Ztschr. Parasitenk., v. 58 (2), 97-113
Sarcocystis suihominis, gamogony in human tissue cultures, electron microscopical study

Development, Protozoa
Mehlhorn, H.; Schein, E.; and Warnecke, H., 1979, J. Protozool., v. 26 (3), 377-385
Theileria ovis, gamogony and sporogony in Rhipecephalus evertsi evertsi, electron-microscopic studies

Development, Protozoa
Toxoplasma gondii in tissue culture, life cycle and development recorded by microcinematographic study in phase contrast

Development, Protozoa
Michael, E., 1978, Ztschr. Parasitenk., v. 57 (3), 221-228
Eimeria acervulina, formation and final structure of oocyst wall, transmission and scanning electron microscopy

Development, Protozoa
Trypanosoma cruzi trypomastigotes, interaction with hamster peritoneal macrophages at optical and ultrastructural levels in vitro, possible mechanisms of parasite intracellular fate, strain differences

Development, Protozoa
Trypanosomas cruzi, effects of low and high temperatures on development in triatomines

Development, Protozoa
Nijhout, M. M., 1979, Exper. Parasitol., v. 48 (1), 75-80
Plasmodium gallinaceum, exflagellation stimulated by mosquito factor

Development, Protozoa
Plasmodium gallinaceum, gamete development, quantification of gamete development, changes in pH and pO2, during gametogenesis, suppression and recovery of exflagellation, bicarbonate requirement for emergence and exflagellation, regulation of gametogenesis by pH

Development, Protozoa
Pacheco, N. D.; Sheffield, H. G.; and Fayer, R., 1978, J. Parasitol., v. 64 (2), 320-325
Sarcocystis cruzi, immature cyst, fine structure in relation to development and to multiplication of parasites within it

Development, Protozoa
Trypanosoma cruzi, ultrastructure of morphogenesis in vitro and in vivo (mice)

Development, Protozoa
Plasmodium falciparum, differentiation of gametocytes in microcultures of infected human blood, can develop both from ring-stage parasites introduced into culture and from merozoites released during subsequent schizogonies in vitro, incorporation of [3H]isoleucine by developing gametocytes
Development, Protozoa

Pittilo, R. M.; and Ball, S. J., 1979, Parasitology, v. 79 (2), 259-265
Eimeria maxima, fine structure of developing macrogamete

Development, Protozoa

Trypanosoma rotatorium complex from frogs, experimental infection of hematophagous insects, course of development in Aedes aegypti gut, postulate transmission to frogs via ingestion of mosquitoes: Venezuela

Development, Protozoa

Trypanosoma cruzi, 4 strains with morphologically different blood trypomastigotes, differences in development in coelomic cavity of Panstrongylus megistus (exper.)

Development, Protozoa

Nosema lymantriae in Lymantria dispar, ultrastructural data on intracellular development, possible method of penetration into host cell nucleus, potential of parasite in control of forest pests

Development, Protozoa

Glugea hertwigi in Osmerus mordax, prevalence in ovaries of spawning female hosts, transmission to young smelt by direct ingestion of spores or by ingestion of spore-carrying zooplankton, parasite development and xenoma growth

Development, Protozoa

Theileria annulata, development in haemo- lymph and intestinal glands of Hyalomma anatolicum excavatum, light microscopy; hypothetical diagram of cycle in ticks

Development, Protozoa

Sarcocystis tenella, kittens (exper.), development in intestines, life cycle; attempted parasite suppression using statyl and pancoxin plus

Development, Protozoa

Myxobolus exiguis, early stages of development in vitro

Development, Protozoa

Sinden, R. E.; and Smalley, M. E., 1979, Parasitology, v. 79 (2), 277-296
Plasmodium falciparum, modified microculture technique is used as bioassay for various anti-metabolites by examining their ability to inhibit gametocytogenesis; characterization of sexual cell-cycle

Development, Protozoa

Plasmodium falciparum, sporogonic development in Anopheles gambiae, scanning and transmission electron microscopy, first surface view of microspore of Plasmodium

Development, Protozoa

Speer, C. A., 1979, J. Parasitol., v. 65 (4), 591-598
Eimeria magna, development of gamonts and oocysts in cell cultures inoculated with merozoites, extent of sporulation and infectiousness of oocysts developing in such cultures

Development, Protozoa

Terakaz, J. A.; et al., 1979, J. Protozool., v. 26 (3), 385-389
Plasmodium berghei, exoerythrocytic stages in rat liver, possible example of phagocytosis by Kupffer cells, electron microscopy

Development, Protozoa

Trager, W., 1974, Ciba Found. Symp., n.s. (20), 225-254
trypanosomes, leishmanias, nutrition and biosynthetic capabilities, problems of in vitro cultivation and differentiation, review

Development, Protozoa

Rhodnius prolixus fed on Trypanosoma cruzi-infected mice, refeeding experiments with secondary hosts (avian, mammals, reptiles) showed that parasite development in gut is inherent in the insect and not dependent on type of blood supplied by refeeding

Development, Protozoa

Trypanosoma cruzi, Venezuelan strain vs Brazilian strain, factors influencing adaptation, development, and multiplication in local race of Rhodnius prolixus vectors (laboratory strain originally from state of Guarico, Venezuela)

Development, Protozoa

Neotyphoderma cordiformis, developed polytene chromosomes in macronuclear anlage, ultrastructure

Development, Protozoa

Vivo Rodriguez, R., 1977, Noticias Neosan (186), v. 35, 35-38, 41-43
coccidiosis, lambs, excretion and development of oocysts, humidity of bedding, and growth of hosts

Development, Protozoa

Voronin, V. N., 1971, Parazitologiia, Leningrad, v. 5 (2), 180-191
Theilohania contejeani in Astacus astacus (skeletal and cardiac muscles, ovaries and eggs) (nat. and exper.), prevalence, pathogenesis, developmental cycle, possibility of transovarian as well as oral transmission: Leningrad oblast
Development, Protozoa


Trypanosomatid flagellates, developmental stages, terminology, historical review

Development, Protozoa

Walter, R. D.; Buse, E.; and Ebert, F., 1978, Tropenmed. u. Parasitol., v. 29 (4), 459-442

Leishmania tropica, L. donovani, in vitro, correlation between cyclic adenosine monophosphate concentration within cells and their proliferation and transformation

Development, Protozoa


Babesia bigemina, electron microscopic detection of initial and some subsequent developmental stages in Boophilus microplus salivary glands

Development, Protozoa

Weidner, E.; and Overstreet, R. M., 1979, Cell and Tissue Research, v. 201 (3), 331-342

Fabeosporavernica, sporogenesis

Development, Protozoa


Trypanosoma cruzi-like-strain, morphology, frequency and density of parasites in Sanguinus oedipus, infectivity studies in monkeys and rodents, no clinical or histopathological findings, parasitaemia, development in cell cultures, cyclical development in Rhodnius prolixus and Triatoma infestans

Development, Protozoa


Leucocytozoan dubreuilii, development of secondary schizonts in renal tubule cells of Turdus migratorius and profound parasite-induced changes in these cells, electron microscopy

Development, Protozoa

Wu, B.; et al., 1979, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 25 (1), 50-57

Myxobolus drjagini in Hypophthalmichthys molitrix, seasonal fluctuations with regard to occurrence and development of parasite, recommended prophylactic measures and treatment: hatchery ponds, Hangzhou region of Jiang Province

Development, Protozoa

Yamamoto, T.; and Sanders, J. E., 1979, J. Fish Dis., v. 2 (5), 411-428

Ceratomyxa shasta, stages of development leading to sporogenesis, light and electron microscopy

Development, Protozoa

Zizka, Z., 1977, Ztschr. Parasitenk., v. 54 (3), 217-228

Farinocystis tribolii in Tribolium castaneum, fine structure, developmental stages in sporogony, parasite-host relations (mitochondria of host concentrated around schizonts, consumption of host fat body by parasites, host development stopped)

Development, Protozoa

Zizka, Z., 1978, J. Protozool., v. 25 (1), 50-56

Farinocystis tribolii, fine structure of schizonts and free merozoites and their development in fat body of larval Tribolium castaneum

Development, Trematoda

Anderson, R. M.; and May, R. M., 1979, Parasitology, v. 79 (1), 65-94

Schistosoma spp. infections within snail populations, prevalence, spatial and temporal heterogeneity, duration of larval development and its dependence on temperature, mortality rates of infected and uninfected hosts; comparison of observed patterns with model predictions; new age-prevalence model, predictions compared with observed patterns; implications for overall transmission dynamics

Development, Trematoda


Schistosoma mansoni, influence of gamma radiation on egg hatching, penetration power and development of miracidia in Biomphalaria glabrata, attempted immunization of snails with irradiated miracidia was unsuccessful

Development, Trematoda

Bae, P. A.; Kang, P. A.; and Kim, Y., 1977, Bull. Fish. Research and Development Agency (Kungnip Susan Chinghungwon yon'gu pogo) (18), 131-140

Bacciger harengulae, cercarial development and seasonal incidence in hard clam, Meretrix lusoria (gonad, midgut, gill): western and southern coasts of Korea

Development, Trematoda


Schistosoma mansoni, mice, parasite migration studied by mathematical equations, moment of maximum parasite recovery, asynchronic development, quantitative aspects

Development, Trematoda

Davies, C.; et al., 1978, Internat. J. Parasitol., v. 8 (3), 197-206

Fasciola hepatica, metacercariae grown in vitro in 2 different media, ultrastructure of tegument and digestive caeca, comparison with development of these 2 systems during maturation in vivo

Development, Trematoda

Davies, C.; and Smyth, J. D., 1979, Internat. J. Parasitol., v. 9 (3), 261-267

Microphallus similis, development in the mouse and under a range of in vitro cultivation systems
Development, Trematoda
Dixon, K. E.; and Colton, M., 1978, Internat. J. Parasitol., v. 8 (6), 491-499
Cloacitrema narrabeenensis, cystogenic cells in mature cercariae, surface structures of cercaria, formation of metacercarial cyst wall, light and electron microscopic and histochemical study

Development, Trematoda
Dubey, J. P.; et al., 1979, Vet. Parasitol., v. 5 (4), 325-337
Paragonimus kellicotti, dogs (peritoneal cavity, pleural cavity, lungs) (exper.), migration and development, fecal diagnosis (sedimentation vs. McMaster technique), clinicopathological and hematologic data, radiologic findings, gross and microscopic pathology

Development, Trematoda
Dumag, P. U.; et al., 1976, Philippine J. Animal Industr., v. 31 (1-4), 72-86
Fasciola gigantica-infected Lymnaea rubiginosa snails, intra-molluscan development, cercarial output, distribution pattern of metacercariae on pasture grasses

Development, Trematoda
El-Abdin, A. Z.; and Roushdy, M. Z., 1977, Egypt. J. Bilharz., v. 4 (2), 165-178
Schistosoma haematobium, optimum conditions for life cycle maintenance in Bulinus snails and laboratory mammals; hamsters more susceptible to infection than gerbils or mice

Development, Trematoda
Fournier, A., 1979, Ztschr. Parasitenk., v. 59 (2), 169-185
Polystoma integerrimum, P. pelobatis, tegument, ultrastructure during various stages of development

Development, Trematoda
Eupolystoma alluaudi, demonstration of embryonic developmental duality resulting in 2 types of larvae, one of which is responsible for internal cycle (multiplication in host by sexual reproduction) and one of which assures host-to-host transmission

Development, Trematoda
Zygocotyle lunata, postmetacercarial development obtained by placing excysted metacercariae on 10-day-old chick chorioallantoic membranes

Development, Trematoda
Fasciola hepatica, length of development in Galba truncatula (nat. and exper.), seasonal distribution of cercarial release, over-wintering: Rhodope mountains; Thracian lowlands

Development, Trematoda
Schistosoma haematobium, in vivo development in hamster, six stages of development distinguished on basis of morphological and histochemical characteristics

Development, Trematoda
Schistosoma bovis, in vivo development in Nile rat (Arvicanchus niloticus), six stages of development distinguished

Development, Trematoda
Hapalometra cylindracea, life cycle, development, morphology, pathological changes in frog hosts: Poland

Development, Trematoda
Grabda-Kazubska, B., 1974, Acta Parasitol. Polon., v. 22 (35-44), 393-400
Haplophera cylindracea, cercariae, penetration, routes of migration, and development in Rana temporaria and R. arvalis (both exper.)

Development, Trematoda
Greenblatt, H. C.; Eveland, L. K.; and Morse, S. J., 1979, Exper. Parasitol., v. 48 (1), 100-108
Schistosoma mansoni, cercarial tail loss in vitro results from antibody-independent activation of serum complement system via alternative pathway

Development, Trematoda
Monogeneans of fish (primarily Dactylogyrus), variation in size of body and attachment organs, of localization on host, and of developmental cycle with respect to host age and size, taxonomic implications

Development, Trematoda
Herman, S. M.; and Bacha, W. J., jr., 1978, J. Parasitol., v. 64 (5), 827-830
Himasthla quissetensis, successful infection of domestic chicks per cloaca using cercariae, growth, development, and site location (preference for ileum where worms grew and developed at rate comparable to those raised in gull, worms from bursa of Fabricius showed relatively little growth and exhibited gonadal atrophy in some cases)

Development, Trematoda
Hsu, S. E., 1974, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 20 (3), 231-242
Schistosoma japonicum, in vitro culture, role of red blood cells in culture medium, egg production and development

Development, Trematoda
Pseudodactylogyrus microcrhis on Anguilla anguilla (gills), influence of water temperature on oviposition, hatching and development of parasite

Development, Trematoda
Schistosoma mansoni schistosomula in vitro and in mouse lung, early developmental changes studied from perspective of surface antigenic expression and parasite motility, these changes may play role in determining survival of parasites in normal or immune host
Development, Trematoda
Irwin, S. W. B.; and Maguire, J. G., 1979, Internat. J. Parasitol., v. 9 (1), 47-53
Gorgoderina vitelliloba, ultrastructure of vitelline follicles

Development, Trematoda
Horricula rhinobatidis and Trogocephalus rhinobatidis from Rhinobatos batillum (gills), level of infection, microhabitat, larval development of Horricula, possible role of certain structures in attachment and feeding: Queensland, Australia

Development, Trematoda
Halipegus ovocaudatus, development of tegument during four stages (cercaria, mesocercaria, metacercaria, adult), ultrastructure

Development, Trematoda
Kolzow, R. G., and Nollen, P. M., [1979], J. Parasitol., v. 64 (6), 1978, 994-997
Schistosoma japonicum, development and movement of reproductive cells, effects of stressful conditions (in vitro culture; intraperitoneal maintenance in hamsters; unisexual transplants into hepatic portal system of hamsters)

Development, Trematoda
Koma, N. D., 1974, Rev. Patol. Trop., v. 5 (1), 57-63
Echinostoma erraticum sporocysts, morphological changes and development in experimentally infected Biomphalaria stramines

Development, Trematoda
Paramphistomum cervi, development in cattle, sheep, and roe deer (all exper.)

Development, Trematoda
Plagiorchis elegans, development in final hosts, morphological variation, effect of host species, parasite age, and season

Development, Trematoda
Prosthogonimus ovatus, synonymy, extent of development of reproductive system varies with definitive host

Development, Trematoda
Dionchus agassizi, D. remora, anatomy, development, rate of parasitism on Echeneis naucrates, distribution of adults and egg clusters on gills: golfe de Tunis; golfe de Gabes

Development, Trematoda
Gyrodactylus sp., size of anchors and marginal hooks on opisthaptor, seasonal variation, dependence on water temperature, natural and experimental evidence

SUBJECT HEADINGS

Development, Trematoda
Ergastrema mugilis, larval and postlarval development, ciliated cells, chaetotaxy, and excretory system of oncomiracidium

Development, Trematoda
Dactylogyrus extensus, Actinocleidus recurvatus, postlarval changes in chaetotaxy

Development, Trematoda
Cercaria levantina 14, 15, and 16, descriptions, swimming behavior, development, encystation attempts with C. levantina 16

Development, Trematoda
Loker, E. S., [1979], J. Parasitol., v. 64 (6), 1978, 977-985
Schistosomatium douthitti, development in Lymnaea catascopium (exper.)

Development, Trematoda
McLaren, D. J.; et al., 1978, Parasitology, v. 76 (3), 327-348
Schistosoma mansoni in vitro and in vivo (mice), developing tegumental outer membrane, freeze fracture study, changes in number and distribution of intramembraneous particles (IMP) during parasite maturation, reflection in alterations of ultrastructure and antigenicity of parasite surface

Development, Trematoda
Tubulovesicula lindegbergi and Lecithaster gibbosus in captive Oncorhynchus, parasite life span, maturation, and growth

Development, Trematoda
Neuleman, E. A.; et al., 1978, Ztschr. Parasitenk., v. 56 (3), 227-242
Schistosoma mansoni, miracidium body wall, changes during penetration into snail and transformation into mother sporocysts, ultrastructure

Development, Trematoda
Miller, P.; and Wilson, R. A., 1978, Parasitology, v. 77 (3), 281-302
Schistosoma mansoni in laboratory rodents, migration and development of schistosomula with emphasis on time spent in cutaneous tissue, numbers which fail to reach circulating vessels and exit from the skin, and their route of exit

Development, Trematoda
Linstoviellia viviparae, life cycle and development, description of egg, miracidium, sporocyst, cercaria, metacercaria, and marina

Development, Trematoda
Linstoviellia viviparae, life cycle and development, description of egg, miracidium, sporocyst, cercaria, metacercaria, and marina
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Development, Trematoda
Echinostoma malayanum, development in rats, heavy population density effects (lengthened prepatent period, undersized worms, decreased proteins, lipids, calcium, and ash but not glycogen); pathological changes in rat intestine; in vitro metacercarial excystment

Development, Trematoda
Nadykto, M. V., 1973, Parazitologiia, Leningrad, v. 7 (5), 408-417
Eurytrema pancratium, morphology, life cycle and development under conditions of Primorski krai

Development, Trematoda
Dicrocoelium dendriticum, Pleurogenoides medians, Fasciola hepatica, length of uterus as correlated with body size at different stages of development, mathematical analysis of growth

Development, Trematoda
Cotylurus erraticus, life cycle, development, morphology

Development, Trematoda
Paramphistomum spp., morphology and development of larval stages, variation and species differentiation, intermediate host specificity

Development, Trematoda
Panin, V. Ia.; and Ksembaeva, G. Kh., 1971, Parasitolgia, Leningrad, v. 5 (4), 320-334
Eurytrema pancreatium, migratory route and morphogenesis in rabbits and goats

Development, Trematoda
Ochetosoma aniarum, metacercariae, early ultrastructural development of excretory bladder

Development, Trematoda
Schistosoma mansoni, mice, changes in tegumental surfaces during development

Development, Trematoda
Haplometra cylindracea, development and structure of mother and daughter sporocysts

Development, Trematoda
Cryptocotyle lingua, ultrastructure and development of ventrogenital complex and its mode of operation in copulation

Development, Trematoda
Rees, F. G., 1979, Ztschr. Parasitenk., v. 60 (2), 157-176
Cryptocotyle lingua, development and ultrastructure of female reproductive ducts in metacercaria and adult

Development, Trematoda
Fasciola hepatica, development of redial generations in Lymnaea truncatula in relation to temperature, desiccation of habitat, and host body size

Development, Trematoda
Fasciola hepatica, development of rediae in Lymnaea spp., dependent upon host growth

Development, Trematoda
Schistosoma mansoni, tegument development in permissive (mouse, hamster) vs. non-permissive (rat) hosts, scanning electron microscopy

Development, Trematoda
Shatrov, A. S., 1974, Parazitologiia, Leningrad, v. 8 (3), 196-199
Metagonimus yokogawai, life cycle and development, biology of larval stages: upper Primur’e

Development, Trematoda
Shaw, H. X., 1979, Ztschr. Parasitenk., v. 59 (3), 277-294
Gastrocotyle trachuri, development of clamp attachment organs, electron microscopy

Development, Trematoda
Proctoeces ichiharai, general morphology of developmental stages, growth and relative growth of internal organs

Development, Trematoda
Schistosoma margrebowiei, morphology of egg, miracidium, and cercaria, compatibility with Bulinus spp., development in Mesocricetus auratus, pathogenicity

Development, Trematoda
Stromberg, P. C.; and Dubey, J. P., [1979], J. Parasitol., v. 64 (6), 1978, 998-1002
Paragonimus kellicotti, life cycle in cats (exper.): migration, development, growth, maturation, distribution in lungs, egg production
Development, Trematoda
Summaliev, P.; and Vasilev, I., 1976, Khelmintologiya, Sofiia, v. 1, 88-98
Paramphistomum microbothrium, effect of temperature, ultraviolet rays, and X-ray on development of eggs; miracidia hatch in dark but light has strong stimulating effect

Development, Trematoda
Taft, S. J.; and Heard, R. W. III, 1978, J. Parasitol., v. 64 (4), 597-600
Ophthalmothopagus sp., near singularis, aspects of larval development, first report on life history in genus Ophthalmothopagus and first record of cyclocoelids parasitizing marine snails: tidal marshes, Jackson County, Mississippi

Development, Trematoda
Timofeeva, T. A., 1971, Parazitologiya, Leningrad, v. 5 (6), 517-523
Aspidogaster conchicola, nervous system, structure and development

Development, Trematoda
Tinsley, R. C.; and Owen, R. W., 1979, J. Helminth., v. 53 (4), 307-316
Xenopodistomum xenopodis from Xenopus laevis (gall bladder), morphology, growth and development, prevalence and intensity of infection, absence of pathological effects, parasite's diet: imported to England from Cape Flats, near Cape Town, South Africa

Development, Trematoda
Valenzuela, G., 1979, Bol. Chileno Parasitol., v. 34 (1-2), 31-35
Fasciola hepatica eggs from bile of infected bovines, viability and survival as affected by in vitro development in outdoor temperatures: Valdivia, Chile

Development, Trematoda
Voge, M.; Price, Z.; and Bruckner, D. A., 1978, J. Parasitol., v. 64 (4), 585-592
Schistosoma mansoni, development of tegumental surface in mammalian host, scanning electron microscopy

Development, Trematoda
Voge, M.; Price, Z.; and Bruckner, D. A., 1978, J. Parasitol., v. 64 (5), 944-947
Schistosoma mekongi, changes in tegumental surface of male and female worms during development in mice

Development, Trematoda
Wilson, R. A.; et al., 1978, Parasitology, v. 77 (1), 57-73
Schistosoma mansoni in mice, activity patterns and changes in body shape of schistosomula recovered from various locations during migration from skin to hepatic portal system, comparisons with schistosomula transformed and cultured in vitro

Development, Trematoda
Schistosoma japonicum, development and changes of eggs in tissues of mice and rabbits, fluorescence-staining method for determining dead and living eggs in host tissues

Diabetes
Schistosoma mansoni, effect of mutation diabetes (marked immunosuppression) on host-parasite relationship in mice, decreased granulomatous response

Diagnosis. [See also Immunity, Agglutination; Immunity, Complement; Immunity, Diagnosis; Immunity, Enzyme labelling; Immunity, Immobilization; Immunity, Precipitation; Immunity, Radioimmuno-assay; Immunity, Skin tests; Immunofluorescence; Technique, Fecal examination; Technique, Stains]

Diagnosis
Akhtaruzzaman, K. M.; et al., 1978, Tropenmed. u. Parasitol., v. 29 (4), 427-431
Comparison of different methods for detection of intestinal protozoa and helminths in human stool

Diagnosis
Bartlett, M. S.; et al., 1978, J. Clin. Microbiol., v. 7 (6), 524-528
Modified zinc sulfate flotation technique evaluated in comparison with formalin-ether concentration method for recovery of protozoan cysts and helminth eggs and larvae from feces preserved in formalin less than and longer than 1 month, results suggest that (except for schistosomes) F-ZnSO₄ compares favorably to FE method for detecting infections of clinical significance

Diagnosis

Diagnosis
Human parasites, methods for collection and diagnosis: equatorial West Africa

Diagnosis
Brandborg, L. L., 1979, Am. J. Med., v. 67 (6), 999-1006
Diseases of malabsorption, histologic diagnosis

Diagnosis
Tropical diseases, humans, diagnostic challenges, presentation of 43. Annual Charles Franklin Craig Lecture

Diagnosis
Dancescu, P., 1979, Tr. Roy. Soc. Tropical Diseases, humans, diagnostic challenges, presentation of 43. Annual Charles Franklin Craig Lecture

Diagnosis
Protozoa, helminths, clinical laboratory techniques for collection, examination, and diagnosis
Diagnosis
identification of economically important parasites (use of anatomical, biochemical, and behavioral tests), brief review

Diagnosis
nitroblue tetrazolium test of limited diagnostic value in areas with high incidence of human intestinal parasites associated with Chagas disease or bilharziosis

Diagnosis
Im, K. I., 1974, Taehan Iuhak Hyophoe Chi (J. Korean Med. Ass.), v. 17 (9), 668-672
human parasitic diseases, laboratory diagnosis

Diagnosis
parasites of domestic animals in United States, host-parasite list, life cycles, diagnostic techniques

Diagnosis
simple hemotologic techniques to aid the small animal clinician in making a diagnosis, review

Diagnosis
Poinar, G. O., jr.; and Thomas, G. M., 1978,
Diagnostic manual for the identification of insect pathogens, 218 pp., illus.

Diagnosis
differential diagnosis of acute diarrheal disease of foals

Diagnosis
parasitic diseases, human, current status, diagnostic methods, review: United States

Diagnosis
Sykes, A. R., 1978, Vet. Rec., v. 102 (2), 32-34
subclinical parasitism in sheep, effects of parasites localized in abomasum, small intestine, and liver on bodyweight gain, efficiency of food utilization, and serum constituents, diagnostic aids

Diagnosis, Acanthocephala
Buckner, R. L.; and Nickol, B. B., 1979, J. Parasitol., v. 65 (1), 161-166
Fessisentis, 4 species differ in several characters not obscured by geographical or host-induced morphological variation; F. fessus, confirmation of life cycle

Diagnosis, Acanthocephala
Pomphorhynchus, differential diagnosis of species

Diagnosis, Acanthocephala
Huffman, D. G.; and Nickol, B. B., 1978, J. Parasitol., v. 64 (5), 851-859
Pomphorhynchus bulbococili, P. rosci, meristogram analysis revealed that these 2 species can be easily distinguished by measuring length of one hook in the 60-80 'percent-position' region of the proboscis

Diagnosis, Arthropoda
fleas of mammals, morphological variations in certain key diagnostic characters, seasonal distribution, sex ratio, host sex: southeastern Wisconsin

Diagnosis, Arthropoda
Rhipicephalus turanicus, R. sanguineus, and R. pusillus, differential characters: Arcipelago Siciliano

Diagnosis, Arthropoda
Linguatula serrata, dog (nasal passage), rhinitis, differential diagnosis

Diagnosis, Arthropoda
Bohmfalk, G. T.; Price, M. A.; and Meola, S. M., 1979, Southwest. Entom., v. 4 (2), 102-116
Boophilus annulatus, B. microplus, chaetotactic and morphologic comparisons of larvae, light and scanning electron microscopy

Diagnosis, Arthropoda
Busvine, J. R., 1978, System. Entom., v. 3 (1), 1-8
Pediculus capitis and P. humanus, differential diagnosis, 2 distinct species

Diagnosis, Arthropoda
Gilot, B.; and Perez, C., 1978, Rev. Suisse Zool., v. 85 (1), 143-149
Ixodes ventailoi, I. festai, differential diagnosis

Diagnosis, Arthropoda
Goncharov, A. I., 1973, Parazitologiya, Leningrad, v. 7 (3), 264-269
Paradoxopsyllus, 16 spp. arranged in 5 groups on basis of morphology of aedeagus

Diagnosis, Arthropoda
scabies, 3 1/2-month-old child with persistent generalized eruption, mineral oil scrapings from skin revealed mites, clinical review of diagnostic and therapeutic techniques: Texas

Diagnosis, Arthropoda
Kremer, M.; Rebholtz, C.; and Delecolle, J. C., 1979, Ann. Parasitol., v. 54 (2), 243-246
Fannia spp. larvae collected from urine of patient but under circumstances which did not permit verification of urinary myiasis; differential characters for the 3 species
Diagnosis, Arthropoda
Dermatobia hominis, 3rd stage larvae, pattern of stigmatic plates, observation of an anomaly

Diagnosis, Arthropoda
Megamßlyopinus, Amblyopinus, Amblyopinodes, generic taxonomy revised, new characteristics of systematic importance recorded and used

Diagnosis, Arthropoda
Meigel, W., 1979, Taegl. Prax., v. 20 (3), 469-475
Acarus siro, human, clinical aspects, diagnostic and therapeutic problems

Diagnosis, Arthropoda
Pfeiffer, H., 1979, Ztschr. Parasitenk., v. 59 (1), 95-106
Cheyletiella blakei, cats, clinical symptoms also appeared in owner, alugan successfully removed mites from cats and owner's skin affection then disappeared; morphology, differential diagnosis from C. parasitivorax: Osterreich

Diagnosis, Arthropoda
Porocephalus stilesi eggs and nymphal stages, P. clavatus eggs, extensive morphological and morphometric comparisons with P. crotali to determine distinguishing characteristics; no satisfactory characters were confirmed

Diagnosis, Arthropoda
pediculosis nits, human (hair), differentiation from pseudonits (peripilar casts), scanning electron microscopy

Diagnosis, Cestoda
human cerebral cysticercosis: diagnosis by complement fixation or evidence of calcifications on X-ray, clinical symptoms, frequency of occurrence of cysticercosis with other central nervous system conditions in areas of high prevalence

Diagnosis, Cestoda
Ammann, R.; et al., 1979, Deutsche Med. Wchnschr., v. 104 (42), 1466-1469
Echinococcus spp., humans, epidemiology, clinical aspects and course, diagnosis, review

Diagnosis, Cestoda
Andersen, K.; and Halvorsen, O., 1978, Parasitology, v. 76 (2), 229-240
Diphyllobothrium spp., egg size and form (length, width, and length:width ratio) as taxonomic criteria, may contribute to species delimitation at population level but for identification at individual level 80% is best possible accuracy

Diagnosis, Cestoda
Echinococcus granulosus, human, cysts of thyroid, differential diagnosis by thin-needle biopsy, case reports: Chile

Diagnosis, Cestoda
human hepatic echinococcosis, radiologic diagnostic methods compared

Diagnosis, Cestoda
Echinococcus granulosus, humans, diagnosis by gray scale ultrasonography

Diagnosis, Cestoda
cestodes of sheep, drug trials; Stilesia globipunctata, tested several diagnostic methods with unfavorable results

Diagnosis, Cestoda
Baumeister, L.; and Merten, H., 1976, Radiol., v. 16 (4), 140-143
human echinococcosis, false radiologic diagnosis of splenic cyst, recommendation that complement binding and Casoni skin test be used in conjunction with radiation for accurate diagnosis

Diagnosis, Cestoda
Bianca, T.; et al., 1977, Studi Sassaresi, Sez. II, Med., v. 55 (5-6), 515-538
echinococcosis, human kidney, extensive clinical review, diagnosis, pathology, therapy, surgical management, case report

Diagnosis, Cestoda
Biering-Sørensen, U., 1977, Dansk Vet.-Tidskr., v. 60 (21), 931-935
Cysticercus bovis, ultraviolet radiation for detection and diagnosis in meat inspection

Diagnosis, Cestoda
Biersack, H. J.; et al., 1977, ROEFO, v. 127 (5), 422-427
human hepatobiliary echinococcosis, differential diagnosis using 99mTc-diethyl-IDA in hepatobiliary scintigraphy

Diagnosis, Cestoda
human hepatic hydatid cysts, comparison of efficacy of 5 procedures commonly used to diagnose space occupying hepatic lesions, gamma-scan and arteriography proved most satisfactory

Diagnosis, Cestoda
Carbajal, J. R.; et al., 1977, Radiology, v. 125 (1), 127-132
human cysticercosis with nervous system involvement, radiologic features, value of computed tomography in assessing infections

Diagnosis, Cestoda
human hepatic echinococcosis, use of laparoscopy for diagnostic purposes, comparison with other diagnostic techniques
Diagnosis, Cestoda
Gonzalez Pereda, R., 1974, Radiología, Madrid, v. 16 (2), 143-146
human echinococcosis, diagnosis of hepato-pulmonary cysts using iodized contrast medium

Diagnosis, Cestoda
Gonzalez Pereda, R.; et al., 1975, Radiología, Madrid, v. 17 (6), 481-488
human echinococcosis, comparative diagnostic study of renal cysts using simple radiography, urography, xerography, echography and renal arteriography

Diagnosis, Cestoda
Guenther, R.; et al., 1975, ROEFO, v. 122 (3), 242-244
Echinococcus multilocularis, man, case report, alveolar hydatid disease with extensive biliary obstruction and large cavitation in the liver due to necrosis, clinical, epidemiologic and radiologic diagnostic findings

Diagnosis, Cestoda
Hivet, N.; et al., 1974, Semaine Hop. Paris, v. 50 (41), 2541-2543
echinococcosis, human, case report, value of diagnostic radiographic procedures in complicated hepatic cysts with opacification of bile ducts

Diagnosis, Cestoda
Iwamura, K., 1977, Therapiewoche, v. 27 (38), 6618-6638
helminth infections of liver, humans, diagnosis, pathology, extensive clinical review

Diagnosis, Cestoda
echinococcosis, cysticercosis, trichinosis affecting human heart, diagnostic problems in relation to clinical and pathological findings, case reports

Diagnosis, Cestoda
Jørgensen, R. J., 1978, Dansk Vet.-Tidsskr., v. 51 (12), 577-585
echinococcosis, prevalence, diagnostic techniques, differential diagnosis of Taenia hydatigena and Cysticercus tenuicollis: Denmark

Diagnosis, Cestoda
Kasatkin, Yu. N.; et al., 1977, Terap. Arkh., v. 49 (8), 20-24
differential radiologic diagnosis of focal lesions of liver, humans, includes echinococcosis

Diagnosis, Cestoda
Klemenčič, J.; et al., 1976, ROEFO, v. 124 (1), 40-43
human echinococcosis, radiological course of pulmonary hydatid cyst before and after rupture into bronchial system, resultant tissue changes and discussion of surgical treatment, case report

Diagnosis, Cestoda
Echinococcus cysticus, E. alveolaris, humans, diagnosis in liver by ultrasound

Diagnosis, Cestoda
Catalano, G., and Podera-Pierangeli, L., 1972, Radiologie, v. 32 (11), 358-360
Echinococcus granulosus, human, radiographic diagnosis of kidney cysts

Diagnosis, Cestoda
echinococcosis, humans, hepatic cysts, case reports, radiologic diagnostic methods

Diagnosis, Cestoda
DeNardo, G. L.; et al., 1974, Radiology, v. 111 (1), 35-41
amoebiasis, echinococcosis, humans, hepatic lesions diagnosed by means of scintigraphic patterns

Diagnosis, Cestoda
Dharker, S. R.; et al., 1977, Surg. Neurol., v. 8 (1), 31-34
cerebral hydatid cysts, diagnostic features, angiographic findings, case reports: India

Diagnosis, Cestoda
human hepatic echinococcosis, evaluation of ultrasonics in diagnosis, useful in that it provides all diagnostic features (location, number, form, size, differentiation from other space occupying lesions)

Diagnosis, Cestoda
Dries, W.; and Pirschel, J., 1976, ROEFO, v. 124 (2), 187-188
human Echinoccus cysticus, myelographic diagnosis of cyst of lumbosacral area of spine with intravertebral involvement

Diagnosis, Cestoda
Farriss, A.; and Mameli, P., 1976, Studi Sassoc. Sez. II, Med., v. 54 (5-6), 363-374
echinococcosis, human heart, presentation of myocardial infarction, case report, differential diagnosis

Diagnosis, Cestoda
Fernholz, H. J.; et al., 1976, Roentgen-Blaetter, v. 29 (10), 490-499
Echinococcus cysticus, E. alveolaris, discussion of various radiologic diagnostic techniques

Diagnosis, Cestoda
Garrett, W. J.; et al., 1976, Radiology, v. 119 (2), 425-428
human hepatic echinococcal cysts, differential diagnosis using sulphur colloid liver scanning

Diagnosis, Cestoda
Goebel, N.; and Gander, M. P., 1977, ROEFO, v. 126 (11), 11-14
human echinococcal cyst in ventral segment of heart with resulting pulmonary valve stenosis, clinical case report: discussion of clinical features and radiologic diagnosis
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Echinococcus, human hepatic abscessed cysts, assessment of size, character and surrounding changes by means of endoscopic retrograde cholangio-pancreatography before surgical intervention is attempted.

Diagnosis, Cestoda
8 taeniid cestodes, differentiation by enzyme electrophoresis.

Diagnosis, Cestoda
Echinococcus granulosus, zymograms of glucose phosphate isomerase to differentiate biochemical strains, results indicate an 'ovine' strain (in sheep and cattle) and an 'equine' strain (in horses), strain from camels may also be biochemically different.

Diagnosis, Cestoda
Echinococcus granulosus (horse and sheep strains), E. multilocularis, differences in chemical composition and carbohydrate metabolism between species and strains.

Diagnosis, Cestoda
Echinococcus granulosus, horse and sheep strains, and E. multilocularis, comparison of enzyme electrophoretic profiles.

Diagnosis, Cestoda
hepatic echinococcal cysts, human, diagnosis and surgical management of cysts that rupture into bile ducts, case reports.

Diagnosis, Cestoda
human hepatic echinococcosis with accompanying pulmonary infiltrations and eosinophilia, differential diagnosis, clinical case report: Spain.

Diagnosis, Cestoda
Cysticercus cellulosae, human, sub-conjunctival lesions, differential diagnosis from Sparganum mansoni.

Diagnosis, Cestoda
human hepatic hydatid cysts, reports on 10 cases with large volume cysts of right lobe diagnosed by selective coeliac arteriography.

Diagnosis, Cestoda
human hepatic hydatid cysts, diagnostic problems associated with arteriographic demonstration of left lobe cysts.

Diagnosis, Cestoda
echinococcosis, human hepatic, extensive review of past and present diagnostic methods: Italy.

Diagnosis, Cestoda
bilateral symmetrical echinococcosis of tibiae, man, confirmation of diagnosis by radiograph, scintigraphy and intracutaneous antigen test.

Diagnosis, Cestoda
human hepatic hydatid cysts, review of radiographic and ultrasonic diagnostic techniques.

Diagnosis, Cestoda
Taenia solium cysticerci, 14-year-old girl (eye), case report, diagnosis by contact B-scan ultrasonography.

Diagnosis, Cestoda
Taenia solium, T. saginata, differential diagnostic features of mature worms.

Diagnosis, Cestoda
human echinococcosis, radiologic characteristics of perforated pulmonary cysts.

Diagnosis, Cestoda
human echinococcosis, diagnosis of abdominal cysts using intravenous visceral tomography.

Diagnosis, Cestoda
Echinococcus oligarthrus, E. vogeli, discrimination of larval stages on basis of rostellar hook dimensions.

Diagnosis, Cestoda
Cysticercus cellulosae, filariasis, dracunculosis, human, radiologic diagnosis of infections in soft tissues.

Diagnosis, Cestoda
hepatic echinococcosis with intrathoracic involvement, human, radiological diagnosis, surgical management.

Diagnosis, Cestoda
human echinococcosis of liver and spleen, study of angiographic changes in cysts, use in localizing cysts and in planning surgical approach for removal.
Diagnosis, Cestoda
Ruiz Perales, F.; Medina Diez, J.; and Aragon de la Cruz, G., 1976, Radiología, Madrid, v. 18 (6), 441-444
Echinococcosis, child with multiple cysts of lung, radiologic diagnosis with inversion of right diaphragm as defining characteristic

Diagnosis, Cestoda
Schrumpf, J.; and Hoffer, P. B., 1977, Radiology, v. 125 (1), 170
Cerebral echinococcal cyst demonstrated in young child by means of radionuclide angiogram, clinical case report

Diagnosis, Cestoda
Infections of human brain and meninges, neuroradiologic diagnostic features, includes intracranial cysticercosis and other parasitic conditions

Diagnosis, Cestoda
Stern, V. N.; and Goldfarb, M. G., 1976, Radiol. Diagnost., v. 17 (2), 231-240
Human hepatic echinococcosis, methods used for radiologic diagnosis, review

Diagnosis, Cestoda
Human hepatic echinococcosis, diagnostic features of laparoscopy

Diagnosis, Cestoda
Hydatid disease, human, differential diagnosis from cancer on basis of blood values and liver function tests, comparison of 3 immunodiagnostic tests (intradermal, complement fixation, indirect hemagglutination), usefulness of post-operative serological surveillance: Libya

Diagnosis, Cestoda
Teymoorian, G. A.; and Bagheri, F., 1976, Radiology, v. 118 (1), 97-100
Human echinococcosis of skull, clinical case reports, value of radiologic diagnosis, incidence most common in young males

Diagnosis, Cestoda
Theelen, M.; et al., 1976, ROEFO, v. 124 (2), 110-119
Human pulmonary echinococcosis, radiologic differentiation of lung changes associated with progressive pulmonary insufficiency

Diagnosis, Cestoda
Echinococcus granulosus, horse and sheep strains in Great Britain, aspects of speciation, value of considering epidemiological, developmental, and biochemical criteria, review of recent work

Diagnosis, Cestoda
Tiberio, G.; et al., 1976, Surg. Italy, v. 6 (3), 168-185
Hydatid cyst of liver, humans, diagnosis using echography

Diagnosis, Cestoda
Dipylidium caninum, Taenia sp., Mesocestoides sp., dogs, differential diagnosis

Diagnosis, Cestoda
Echinococcus granulosus, 14-year-old boy, case report, diagnosis by brain computerized tomography: Puerto Montt, Chile

Diagnosis, Cestoda
Human intestinal helminths, differential diagnosis

Diagnosis, Cestoda
Vessal, K.; et al., 1977, Radiologie, v. 17 (7), 290-295
Human pulmonary echinococcosis, role and limitations of radiology in diagnosis, clinical review

Diagnosis, Cestoda
Wesley, I.; et al., 1979, Acta Cytol., v. 23 (2), 134-136
Echinococcus granulosus, man (liver), cytologic diagnosis, case report: Mississippi

Diagnosis, Nematoda
Abukhalil, J. M., 1971, Radiography (439), v. 17, 173-177
Dracunculus medinensis, human, radiographic appearance of calcified worms, clinical case reports: Saudi Arabia

Diagnosis, Nematoda
Onchocerciasis, human, quantitative assessment of microfilarial densities in skin snips subjected to different treatments (distilled water, saline, Ringer solution)

Diagnosis, Nematoda
Dipetalonema sp., dogs, prevalence by age, breed, and sex of host, diagnostic efficiency of Knott and microhematocrit techniques compared: metropolitan area of Santiago, Chile

Diagnosis, Nematoda
Cucullanellus kanabus, growth patterns (allometry, isometry, curvilinear), implications for use of body proportions as diagnostic features when identifying and/or naming nematode species

Diagnosis, Nematoda
Necator americanus, Strongyloides stercoralis, humans, incidence; comparison of Harada-Mori, formalin-ether, and Hoffman methods for hookworm larvae identification: Pernambuco
Diagnosis, Nematoda
de Azevedo, W. V., 1975, Radiol. Brasil., v. 8 (2), 113-126; (3), 223-238
Strongyloides stercoralis, humans, clinical aspects, diagnostic symptoms, case reports, extensive bibliography

Diagnosis, Nematoda
Devcic-Ivanis, 1978, Norsk Vet.-Tidsskr., v. 90 (1), 53-76
Strongyloides stercoralis, humans, differential diagnosis using radiologic methods

Diagnosis, Nematoda
Ascaris suum, Ascaridia galli, amino acid content in reproductive organs of males and fertilized and non-fertilized females, potential application to differentiation of species

Diagnosis, Nematoda
Onchocerca of cattle, redescription of female and microfilariae of O. lienalis, differentiation from O. gutturosa (in addition to morphologic differences, the 2 species have different localizations of adults and of microfilariae and probably have different vectors), consequences of validity of both species (that in England in Simulium ornatum is probably O. lienalis not O. gutturosa)

Diagnosis, Nematoda
Bekic, N., 1975, Srpski Arkhiv Tselok. Lekar., v. 105 (7-8), 653-657
Ascaris suum, human, small intestine, radiologic diagnosis

Diagnosis, Nematoda
Bessonov, A. S.; Uspenskii, A. V.; and Shekhovtsov, N. V., 1977, Veterinarl, Moskva (6), 62-64
Trichinosis, swine, diagnosis, digestive apparatus for large scale mechanized inspection of samples in meat packing plants

Diagnosis, Nematoda
Trichinella spiralis, Sarcocystis miescheriana, swine, differential diagnosis

Diagnosis, Nematoda
Strongylus vulgaris, horse, mesenteric aneurysm detected by ultrasound

Diagnosis, Nematoda
Ostertagia ostertagi, healthy cows and calves, blood pepsinogen levels, compared with samples from diarrhoeic adult cattle, diagnostic value in mature cattle

Diagnosis, Nematoda
Danilovic, Z.; and Devcic-Ivanis, M., 1978, Jugoslov. Ginek. i Opstet., v. 18 (5-6), 433-435
Enterobius vermicularis, women, vaginal smears, presence of pollen grains may cause diagnostic problems

Diagnosis, Nematoda
Filariasis, humans, key to microfilariae found in blood after staining with Giemsa or with Mayer's haemalum

Diagnosis, Nematoda
Strongyloides stercoralis colitis, humans, variations in pathologic findings as shown by radiography

Diagnosis, Nematoda
Ascaris suum, Ascaridia galli, amino acid content in reproductive organs of males and fertilized and non-fertilized females, potential application to differentiation of species

Diagnosis, Nematoda
Protostrongylus rufescens, Muellerius capillaris, Cystocaulus ocreatus, Neosstrongylus linearis, laboratory animals not successful hosts for study of development; differentiation of third stage larvae of Cystocaulus ocreatus and Neosstrongylus linearis

Diagnosis, Nematoda
Onchocerca volvulus, humans, diagnostic methods, differentiation from Dipetalonema streptocercum, review

Diagnosis, Nematoda
Dirofilaria immitis causing pulmonary infarction in man, diagnosis by radiology, clinical case report, patient had been caring for dog infected with heartworm: Florida

Diagnosis, Nematoda
Dirofilaria immitis causing pulmonary infarction in man, diagnosis by radiology, clinical case report, patient had been caring for dog infected with heartworm: New York

Diagnosis, Nematoda
Trichinella spiralis, swine, several diagnostic methods, use in meat inspection, comparisons, review

Diagnosis, Nematoda
Trichinosis, Stomacher digestion methods for diagnosis in meat inspection, advantages in reliability, practicability, capacity and cost
Diagnosis, Nematoda
Galvez Rodriguez, A.; et al., 1976, Rev. Cubana Med., v. 15 (1), 7-12
human digestive tract parasites, diagnostic value of analysis of biliary drainage for evidence of gastrointestinal and biliary tract infections

Diagnosis, Nematoda
Wuchereria bancrofti, Dipetalonema perstans, microfilariae, humans, diagnosis, microhaematocrit centrifuge technique for quick screening followed by thick and thin blood film staining for species identification

Diagnosis, Nematoda
Wuchereria bancrofti, Dipetalonema perstans, humans, various recovery techniques available for laboratory diagnosis, laboratory regimen for routine investigations suggested; preliminary observations on treatment of D. perstans with mebendorazole: Rhodesia

Diagnosis, Nematoda
Biscolia linda, cat (cranial vena cava), clinical diagnosis in absence of circulating microfilariae, sodium thiacoetarsamide

Diagnosis, Nematoda
Henriksen, S. A., 1977, Dansk Vet.-Tidsskr., v. 60 (13), 610-611
Trichinella spiralis, microphotographs of muscle stage, use in diagnosis

Diagnosis, Nematoda
Trichinella spiralis, technique for demonstration of larvae in suspensions of digested muscle tissue

Diagnosis, Nematoda
Dipetalonema reconditum, dogs, high microfilarial counts in blood attributed to a state of immunosuppression, concluded that microfilarial width is more reliable criterion than microfilarial numbers for differentiation of D. reconditum and Bivalentia immittis

Diagnosis, Nematoda
pulmonary perfusion scintigrama in dogs, potential value in clinical diagnosis of heartworm disease

Diagnosis, Nematoda
Bivalentia immittis, Dipetalonema spp., dogs, improved filter test for microfilariae detection evaluated and compared with direct smear method and modified Knott's test

Diagnosis, Nematoda
Humpherys, K.; and Hieger, L. R., 1979, v. 25 (6), 471-476
Strongyloides stercoralis, initial detection of unsuspected infestation on Papanicolaou-stained sputum smears of humans receiving long-term corticosteroid treatment

Diagnosis, Nematoda
Hyman, B. C.; and MacInnis, A. J., 1979, J. Parasitol., v. 65 (3), 421-425
Plasmodium spp., rapid detection in blood smears by fluorescence microscopy with 4'6 diamidino-2-phenylindole; can also be used to stain Toxoplasma and microfilariae

Diagnosis, Nematoda
Jancic-Zguricas, M.; Isvaneski, M.; and Perunovic, P., 1976, Srpski Arhiv Tselok., v. 50 (29), 1129-1132
echinococcosis, cysticercosis, trichinosis affecting human heart, diagnostic problems in relation to clinical and pathological findings, case reports

Diagnosis, Nematoda
onchocerciasis, human, new simplified technique for counting microfilariae in skin snips, comparison with 2 other methods

Diagnosis, Nematoda
Kassur, B.; et al., 1974, Przegl. Epidemiol., v. 28 (3), 275-282
human trichinosis, analysis of clinical symptoms and complications as presented in 402 observed cases: Warsaw, Poland

Diagnosis, Nematoda
Trichinella spiralis, humans, differential diagnostic difficulties, analysis of cases showed a predominance of allergic symptoms in the early stages of infection and protein deficiency in late stages as the 2 most confusing diagnostic presentations

Diagnosis, Nematoda
strongylosis, ruminants, diagnosis, blood pepsinogen levels

Diagnosis, Nematoda
dictyocaulosis, sheep, rapid diagnosis, sedimentation and flotation methods of fecal examination

Diagnosis, Nematoda
small intestinal biopsy for differential diagnosis, strongyloidiasis and ancylostomiasis among diseases successfully diagnosed by this method
Diagnosis, Nematoda
Lawrence, D. N.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 991-996
Mansonella ozzardi, Amerindian populations, age group- and village-specific prevalence. Diagnosis by peripheral blood lymphocyte cultures compared with Giemsa-stained peripheral blood smears: states of Amazonas and Acre, Brazil

Diagnosis, Nematoda
6 Cooperia spp. of North American ruminants, differences in cuticular ridges, use in identification of males and females, key

Diagnosis, Nematoda
Llanio, R.; and Sotto, A., 1972, Semaine Hop. Paris, v. 48 (17), 1223-1225
Visceral larva migrans, human, diagnosis by laparoscopy

Diagnosis, Nematoda
Louisy, C. L.; and Barton, C. J., 1971, Radiology, v. 98 (3), 535-541
Strongyloides stercoralis, humans, enteritis, radiologic diagnosis, case reports: Jamaica

Diagnosis, Nematoda
dictyocaulus arnfieldi, presumptive diagnosis in 8 horses with eosinophilic bronchitis, infection confirmed in companion donkey, thiabendazole treatment, usefulness of cytology of tracheobronchial secretions in differential diagnosis

Diagnosis, Nematoda
Wuchereria bancrofti, 3 techniques (standard slide method, counting chamber technique, and membrane filtration technique) compared for counting microfilariae in blood specimens

Diagnosis, Nematoda
Michel, J. E.; et al., 1978, Vet. Rec., v. 103 (17), 370-373
Ostertagia ostertagi, cattle (exper.), plasma pepsinogen levels, little difference between calves exhibiting clinical symptoms and loss of growth and calves without these symptoms, relevance of findings to use of pepsinogen test in diagnosis of ostertagiasis

Diagnosis, Nematoda
Trichinella spiralis, wild animals, diagnostic techniques: Estonian SSR

Diagnosis, Nematoda
Nakazawa, S.; et al., 1979, Nippon Shokakibyo Gakkai Zasshi (Japan. J. Gastroenterol.), v. 76 (8), 1728-1734
ascariosis, humans, differential diagnosis, cholangiography

Diagnosis, Nematoda
Mansonella ozzardi, human, microfilaria concentrations in capillary and venous blood and in skin compared, 24-hour observation of circulating microfilariae showed considerable variation between subjects but no evidence of periodicity, Wuchereria bancrofti exhibited nocturnal periodicity in 2 subjects with mixed infections: Trinidad

Diagnosis, Nematoda
Wuchereria bancrofti, Mansonella ozzardi, higher concentrations of microfilariae in capillary blood from the ear lobe than from the finger, applications for microfilarial surveys: Haiti, Trinidad

Diagnosis, Nematoda
Ohmori, Y.; and Suzuki, T., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (5), 382-395
Angiostrongylus cantonensis, young adult stages, morphology in cross section as aid to identification in tissue sections

Diagnosis, Nematoda
Strongylate nematodes of Nigerian cattle, identification, faecal culture, infective larvae, descriptions, key: Nigeria

Diagnosis, Nematoda
Omar, M. S.; Franz, M.; and Buettner, D. W., 1979, Tropenmed. u. Parasitol., v. 30 (1), 113-119
Onchocerca volvulus, humans, epidemiologic pilot study, scanning electron microscopy and histochemical staining of microfilariae confirmed that the filariae are O. volvulus although local form of the disease is frequently sowda: Yemen Arab Republic

Diagnosis, Nematoda
Omar, M. S.; and Kuhlow, F., 1977, Tropenmed. u. Parasitol., v. 28 (4), 552-553
Loa loa, Dipetalonema perstans, differentiation using histochemical patterns of acid phosphatase activity in microfilariae

Diagnosis, Nematoda
Necator americanus, Ancylostoma duodenale, species identification based on egg size and/or morphology of infective larvae, method of calculating proportions of each species in mixed infections: Nigeria

Diagnosis, Nematoda
ascariosis, human biliary tract, cholangiography, surgical and anthelmintic therapy, case reports
Diagnosis, Nematoda
Strongyloides stercoralis, humans, diagnosed cytologically from gastric and duodenal aspirates, patients presented with symptoms of malignancy, case reports

Diagnosis, Nematoda
Toxocara canis, mice, intravitral diagnosis of early larva migrans, serological and haematological tests, histopathological changes in tissues, numbers of larvae detected in various internal organs

Diagnosis, Nematoda
Libyostrongyulus and Paralibyostrongyulus, revised diagnosis

Diagnosis, Nematoda
Reeder, M. M., 1973, Seminars Roentgenol., v. 8 (1), 47-71
Cysticercus cellulosae, filariasis, dracunculosis, human, radiologic diagnosis of infections in soft tissues

Diagnosis, Nematoda
Dirofilaria immitis, human, diagnostic consideration for pulmonary coin lesions, case report: Florida

Diagnosis, Nematoda
Ryley, J. F.; and Hardman, L., 1978, J. Parasitol., v. 64 (5), 878-881
Eimeria acervulina, E. mivati, speciation studies (cross-immunity and drug resistance studies), some immunological relationship was demonstrated but the failure of the 2 organisms to interbreed in the drug resistance studies lends support to status of E. mivati as distinct species

Diagnosis, Nematoda
Sahai, B. N.; and Sinha, A. K., 1979, Indian J. Animal Sc., v. 49 (2), 161-163
Haemonchus contortus, H. bispinosus, two distinct species

Diagnosis, Nematoda
Nematodes, cattle, quantitative and qualitative diagnosis, fecal egg count vs. larval culture

Diagnosis, Nematoda
Microfilaria, rate of detection by capillary method

Diagnosis, Nematoda
Trichinella spiralis, mice, guinea pigs, serum creatine-phosphokinase activity not useful for diagnosis

Diagnosis, Nematoda
Shullhorn van Veen, T. W.; and Blotkamp, J., 1978, Tropenmed. u. Parasitol., v. 29 (1), 53-55
Dipetalonema, Dirofilaria, Onchocerca, and Setaria spp., differentiation of microfilariae by using histochemical determination of enzyme activity

Diagnosis, Nematoda
Schulz-Key, H., 1978, Tropenmed. u. Parasitol., v. 29 (1), 51-54
Onchocerca volvulus, technique to assess total number of microfilariae in skin snips

Diagnosis, Nematoda
Equine strongyles, differential diagnosis of third stage larvae

Diagnosis, Nematoda
Trichocephalus muris, embryonic development in vitro and post-embryonic development in mice described, morphological criteria for recognition of embryo and larval stages of Trichocephalus

Diagnosis, Nematoda
Capillaria hepatica in 17-month-old female, clinical presentation of visceral larva migrans, liver biopsy confirmed diagnosis, diethylcarbamazine and sodium antimony gluconate improved but did not cure infection: district of Bethal, South Africa

Diagnosis, Nematoda
Ascaris, humans, pigs (exper.), diagnosis, detection of volatile fatty acids in urine, may also be applicable to other helminth diseases

Diagnosis, Nematoda
Biliary ascariasis, children, diagnosis, evaluation of therapy, and removal of worms from biliary system using cholangiography and duodenoscopy, alternative to surgery

Diagnosis, Nematoda
Dirofilaria immitis, fluorescent dye technique used to detect infection in Psorophora ferox, possible application to other parasite infections in mosquitoes
Diagnosis, Nematoda
Szczygiel, B.; and Talif, I., 1973, Przegl. Lek., v. 30 (8), 696-699
Dracunculus medinensis, humans, radiological diagnosis of calcified guinea worms

Diagnosis, Nematoda
Szczygiel, B.; and Talif, I., 1974, Przegl. Lek., v. 31 (3), 413-415
Loa loa, humans, diagnosis, visualization of calcified worms by radiography

Diagnosis, Nematoda
Tada, I.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (1), 67-71
Conchoecercasis, human, epidemiological survey, prevalence in relation to altitude, host age and sex distribution, relation between microfilaria rate and nodule rate, examination of anterior chamber of eye, location of occhocercal nodules, comparison of diagnostic measures: San Vicente Pacaya, Guatemala

Diagnosis, Nematoda
human intestinal helminths, differential diagnosis

Diagnosis, Nematoda
Vrijenhoek, R. C., 1978, J. Parasitol., v. 64 (5), 790-798
Cercocecum, 2 morphologically indistinct populations of larvae from Poecilopsis spp. and Cichlasoma baeni, electrophoretic examination of proteins (enzymatic and non-enzymatic) produced by 11 gene loci revealed the presence of 2 sexually reproducing sympatric 'semispecies' that have diagnostically distinct alleles for 2 loci: Sonora, Mexico

Diagnosis, Nematoda
Wuchereria bancrofti, in persons with sub-periodic infections diethylcarbamazine fails to provoke marked increase in circulating microfilariae immediately after therapy is initiated; in contrast, in persons with nocturnally periodical infections there is significant increase

Diagnosis, Nematoda
Syphacia spp., ultrastructure of head and cuticle surface structure by scanning electron microscopy, taxonomic importance

Diagnosis, Nematoda
Wong, M. M.; and Brummer, M. E. G., 1978, J. Parasitol., v. 64 (1), 108-114
Dirofilaria 5 spp., cuticular morphology, scanning electron microscopy, possible aid in differentiation and recognition

Diagnosis, Nematoda
Brugia, Wuchereria, Dirofilaria, and Breinlia spp., microfilariae, histochemical differentiation by distribution of acid phosphatase activity

Diagnosis, Nematoda
Ankylostoma braziliense, A. ceylanicum, whole body proteins, disc electrophoretic comparison

Diagnosis, Protozoa
Abbitt, B.; and Ball, L., 1978, Theriogenology, v. 9 (3), 267-270
Trichomonas fetus, pregnant cows, diagnosis by culture of cervical-vaginal mucus, not completely accurate but may identify cows at high risk of abortion

Diagnosis, Protozoa
Abranches, P., 1975, Rev. Port. Med. Mil., v. 23 (1-2), 64-66
Plasmodium spp., differential diagnosis, review

Diagnosis, Protozoa
amoebic liver abscesses, humans, safe and rapid diagnosis with infusion tomography, case reports: Kenya

Diagnosis, Protozoa
Chagas disease, human, serial hemoculture in Warren's medium, valuable diagnostic technique

Diagnosis, Protozoa
Leishmania spp., characterization by isoenzyme electrophoresis, comparison of stocks from Kuwait with stocks from other parts of Old and New Worlds

Diagnosis, Protozoa
Toxoplasma gondii, human acquired lymphatic form, diagnosis by bone marrow examination

Diagnosis, Protozoa
Toxoplasma gondii, differential diagnosis of human lymphatic form, finding that fever is not always a constant sign in the clinical diagnostic picture
Diagnosis, Protozoa
Anaplasma marginale-infected bovine erythrocytes, serologic and hematologic response of rabbits; rabbits not susceptible to A. marginale despite specific antibody production as measured by card and complement fixation tests, therefore can not be substituted for calf inoculation as a confirmatory test for anaplasmosis

Diagnosis, Protozoa
Pneumocystis carinii and other lung lesions, human, diagnosis by lung biopsy (transbronchoscopic, percutaneous, and open)

Diagnosis, Protozoa
Toxoplasma gondii, humans, diagnosis, review

Diagnosis, Protozoa
Trypanosoma cruzi, T. rangeli, Panamanian villagers, diagnosis, micro-enzyme-linked immunosorbent assay, some serologic crossreactivity between 2 species; comparison with complement fixation, direct agglutination, and clinical diagnosis

Diagnosis, Protozoa
Argiolas, N.; et al., 1974, Rassegna Med. Sarda, v. 77, n.s., v. 26 (3), 221-260
Entamoeba histolytica, human, extensive historical and diagnostic review, clinical aspects, epidemiology, pathology

Diagnosis, Protozoa
Arribada, A.; and Thiermann, E., 1971, Recent Advances Stud. Cardiac Struct. and Metab., v. 2, 655-668
Toxoplasma gondii, human cardiomyopathy, differential diagnosis, clinicoserologic correlations

Diagnosis, Protozoa
Ashton, N.; and Stamm, W., 1975, Tr. Ophth. Soc. United Kingdom, v. 95 (2), 214-220
Entamoeba histolytica, human, extensive histologic features, diagnostic problems, clinical report

Diagnosis, Protozoa
Sarcocystis [sp.], ram, stallion, localization in bulbocavernous muscle, diagnosis: Greece

Diagnosis, Protozoa
Toxoplasma gondii, evaluation of nitroblue tetrazolium dye test in diagnosis of acquired lymphatic forms of infection

Diagnosis, Protozoa
Bachrach, U.; et al., 1979, Exper. Parasitol., v. 48 (3), 457-463
Leishmania spp., cellular levels and synthesis of polynamines during growth cycle, polyamines characteristics might serve as further criterion for strain identification and classification

Diagnosis, Protozoa
Trypanosoma (Schizotrypanum) spp. from Microchiroptera, characterization by DNA buoyant densities and by electrophoretic patterns of 6 isoenzymes

Diagnosis, Protozoa
Ball, F.; et al., 1975, Roentgen-Blatter, v. 78 (10), 443-454
Pneumocystis carinii interstitial pneumonia in children treated with immunosuppressive and cytostatic drugs for malignant systemic disease, radiologic diagnosis

Diagnosis, Protozoa
Trichomonas vaginalis, women, diagnosis, new rapid staining technique, useful addition to wet-film and culture

Diagnosis, Protozoa
Sarcocystis cruzi, pregnant cows (exper.), abortion, practical diagnosis using maternal caruncle

Diagnosis, Protozoa
Trypanosoma cruzi, strains isolated from human cases of Chagas' disease and from infected triatomines and wild Brazilian mammals, behavior in Ricman and Robson's blood incubation infectivity test

Diagnosis, Protozoa
Barroso, L., 1975, Magv. Radiol., v. 27 (5), 131-138
Trypanosoma cruzi, human, dilatation and motility of esophagus as diagnostic feature in conjunction with serologic findings

Diagnosis, Protozoa
Bertonelli, E. dos S., 1974, Radiol. Bras., v. 7 (2), 91-94
Trypanosoma cruzi, human, dilatation and motion of esophagus as diagnostic feature in conjunction with serologic findings

Diagnosis, Protozoa
Biersack, H.; et al., 1977, Therapiewoche, v. 27 (20), 4033-4038
Amebic hepatic abscess, humans, diagnosis and treatment analysis using scintigraphy

Diagnosis, Protozoa
Chagas disease, congenital, diagnosis through study of fetal remains
SUBJECT HEADINGS

Diagnosis, Protozoa

Chagas disease in children, diagnosis, pathology, therapeutic trials with various drugs, metronidazole was well tolerated and therefore most promising therapy: Panama

Diagnosis, Protozoa

Entamoeba histolytica, analysis of syndromes considered as acute diarrheal diseases, differential diagnosis of amoebic dysentery from other forms of dysentery

Diagnosis, Protozoa

Sarcocystis suihominis, S. suicanis, occurrence in slaughter pigs of different ages; trypsin digestive method more reliable diagnosis than trichinoscopy, species differentiation: slaughterhouses in South Germany

Diagnosis, Protozoa

Buch, J.; Mannewitz, U.; and Erber, M., 1978, Berl. Tierarztl. Wchnschr., v. 91 (6), 106-111
Trichinella spiralis, Sarcocystis miescheriana, swine, differential diagnosis

Diagnosis, Protozoa

Borten, M.; and Friedman, E. A., 1978, Obst. and Gynec., v. 51 (1), 111-113
Trichomonas vaginalis, study of duration of colposcopic changes associated with human vaginitis shows that colposcopic evaluation of abnormal Papanicolaou smears can be carried out within 2 weeks of initiating metronidazole antitrichomonal therapy

Diagnosis, Protozoa

Botha, W. S.; Van Dellen, A. F.; and Stewart, C. G., 1979, J. South African Vet. Ass., v. 50 (2), 135-144
Encephalitozoon [sp.], dogs (nat. and exper.), clinical, clinicopathological, macroscopic, and histopathological findings, electron microscopic and cultural confirmation, transmission experiment: South Africa

Diagnosis, Protozoa

Boulting, J. E.; and Lloyd, D. A., 1979, Brit. J. Radiol. (623), v. 52, 889-901
Amoebic liver abscess rupturing into subphrenic space, child, diagnosis using radiotherapy followed by ultrasound

Diagnosis, Protozoa

Box, E. D.; and McGuinness, T. B., 1978, J. Parasitol., v. 64 (1), 161-162
Sarcocystis recovered in beef from retail outlets by using a digestion technique

Diagnosis, Protozoa

Naegleria, child, rapid detection of trophozoites in spinal fluid stained with bacterial stains

Diagnosis, Protozoa

Leishmania spp., variation in electrophoretic mobility of the enzyme phosphoglucomutase in the parasite and its application to the differentiation of leishmanial strains

Diagnosis, Protozoa

Trypanosoma cruzi and T. cruzi-like strains, differentiation from T. rangeli but not from T. conorhini by microimmunofluorescence using lectin of sponge (Aaptos papillata)

Diagnosis, Protozoa

Amoebic hepatic abscesses, human, case reports, potential causes of delay in diagnosis, value of ultrasonic scanning of liver in differential diagnosis

Diagnosis, Protozoa

Buenemann, H.; Petersen, F.; and Mohr, W., 1976, ROEFO, v. 124 (2), 126-131
Trypanosoma cruzi and T. cruzi-like strains, human hepatic amebiasis, size, localization and course of hepatic abscesses evaluated by scintigraphy and compared with clinical symptoms, use in diagnosis

Diagnosis, Protozoa

Rhodesiense sleeping sickness, humans, diagnostic review of 400 cases (blood smear, cerebro-spinal fluid smear, gland aspirate): Zambia

Diagnosis, Protozoa

Camargo, E. P.; et al., 1978, Exper. Parasitol., v. 46 (2), 141-144
Trypanosoma, Leishmania, and Leptomonas spp., enzymes of ornithine-arginine metabolism, existence of genus-specific enzyme patterns which may serve as biochemical markers in classification of Trypanosomatidae

Diagnosis, Protozoa

Trypanosoma cruzi, survey of blood donors for evidence of chagasic infection using the Guerreiro and Machado test (recommended as preferred diagnostic method); recommendation that gentian violet be added to all transfusion blood used in endemic areas as an additional precautionary measure

Diagnosis, Protozoa

Human hepatic amoebic abscess, diagnosis by angiography
Diagnosis, Protozoa
Carter, R., 1978, Parasitology, v. 76 (3), 241-267
Plasmodium berghei, P. yoelii, P. vinckei, P. chabaudi, and their subspecies, electrophoretic variation of enzymes glucose phosphate isomerase, 6-phosphogluconate dehydrogenase, lactate dehydrogenase, and glutamate dehydrogenase, detailed description of technique, genetic and taxonomic implications, key for identification of murine plasmodia by enzyme type

Diagnosis, Protozoa
Pneumocystis carinii pneumonia in immuno-compromised man who was receiving continuously assisted ventilation via tracheostomy tube, diagnosis using tracheostomy tube adapter for fiberbronchoscopy

Diagnosis, Protozoa
human hepatic amoebic abscess, diagnosis, peritoneoscopy

Diagnosis, Protozoa
human hepatic amoebic abscess, ultrasonographic studies on 50 patients, usefulness of this diagnostic method

Diagnosis, Protozoa
Plasmodium (Vinckeia) spp., value of biochemical and serological taxonomy

Diagnosis, Protozoa
Leishmania, identification of 68 strains from Aethiopian zoogeographical region on basis of biochemical and serological taxonomy (nuclear and kinetoplast DNA buoyant density, excreted factor serotypes, enzyme variant types), epidemiological implications

Diagnosis, Protozoa
human malaria, differential diagnosis of infection with emphasis on cases found in non-endemic areas

Diagnosis, Protozoa
human Chagas disease, diagnosis using Lit medium and Mouroa and Mello technique for blood cultures

Diagnosis, Protozoa
Trichomonas vaginalis, women, diagnosis, wet vaginal smear and culture in Cystein-Pepitone-Liver Maltose medium better than Papanicolaou smear

Diagnosis, Protozoa
Leishmania braziliensis, L. mexicana, L. tropica, experimental infections in laboratory animals, comparative pathology, characteristics for differential diagnosis

Diagnosis, Protozoa
amoebic liver abscess, human, prevalence, clinical aspects, diagnostic significance of erythrocyte sedimentation rate and aspiration biopsy: Cape Town

Diagnosis, Protozoa
Leishmania hertigi, taxonomic differentiation of strains from Panama and Brazil using morphological, biochemical and serological characteristics

Diagnosis, Protozoa
Cuaron, A.; et al., 1972, Rev. Gastroenterol. Mexico (219), v. 37, 129-135
human amoebic hepatic abscess, diagnosis using 113m Indium colloid or non-ionic 113m Indium, carrier free; more detailed picture and more precise information obtained with non-ionic form

Diagnosis, Protozoa
Cuartas, F.; et al., 1972, South. Med. J., v. 65 (6), 523, 546
Plasmodium falciparum, soldiers, diagnosis by bone marrow aspiration: Texas, recently returned from Vietnam

Diagnosis, Protozoa
primary amoebic meningo-encephalitis, humans, differential diagnosis and identification of aetiologic agents

Diagnosis, Protozoa
Leishmania donovani presenting as localized lymphadenitis without cutaneous, mucosal or visceral involvement, histologic appearance simulated toxoplasmosis, 2 case reports, value of electron microscopy in differential diagnosis

Diagnosis, Protozoa
Naegleria-Hartmannella groups, agar plate method for isolation and cultivation of amoebae from infected humans and animals, soil, sewage sludge, fresh water, and other substrates

Diagnosis, Protozoa
Dee, P.; Winn, W.; and McKee, K., 1979, Am. J. Roentgenol., v. 132 (5), 741-746
Pneumocystis carinii, human, diagnosis, correlation between radiologic and pathologic findings, usefulness of chest radiography in determining significance of infections
Diagnosis, Protozoa
human malarias and amoebiasis, brief review of current diagnostic methods

Diagnosis, Protozoa
human malarias and amoebiasis, brief review of current diagnostic methods

Diagnosis, Protozoa
Dei Cas, E.; et al., 1979, Ann. Parasitol., v. 54 (5), 419-421
Plasmodium, diagnosis, advantages of Errecart's modified technique for making thick blood films

Diagnosis, Protozoa
DeNardo, P.; et al., 1978, Stain Tech., v. 53 (4), 225-227
Plasmodium spp., diagnosis using borax methylene blue, spectroscopic and staining data

Diagnosis, Protozoa
Microsporidia, mucous glands in olfactory epithelium of some marine fishes are distinguishable morphologically and histochemically from epithelial cells affected by parasites

Diagnosis, Protozoa
Toxoplasma gondii causing symptoms resembling infectious mononucleosis, need for consideration in differential diagnosis of persons manifesting a glandular fever syndrome

Diagnosis, Protozoa
Ebert, F.; Schudnagis, R.; and Muehlporft, H., 1978, Tropenned. u. Parasitol., v. 29 (1), 115-118
Trypanosoma cruzi and other Trypanosoma spp., protein typing by disc electrophoresis

Diagnosis, Protozoa
Sarcocystis suicanis n. sp., S. suihominis, pigs, two methods for detection of cystozoites described and compared, differential diagnosis

Diagnosis, Protozoa
Farre-Sostres, I.; et al., 1973, Rev. Espan. Pediat., (174), v. 29, 827-840
Pneumocystis carinii, pneumonia in infant presenting as eosinophilia, diagnosis through lung biopsy, successfully treated with pentamidine: Spain

Diagnosis, Protozoa
protozoa, techniques for microscopical diagnosis

Diagnosis, Protozoa
Fennessy, J. J.; et al., 1974, Radiology, v. 110 (7), 555-561
Pneumocystis carinii, humans, diagnosis by means of transcatheter biopsy, frequently can detect infections when other methods have failed

Diagnosis, Protozoa
Ferwerda, J.; and Dekker, W., 1976, Tijdschr. Gastro-enterol., v. 19 (6), 413-416
Giardia lamblia, humans, identification of parasite in duodenal contents aspirated during fibre-endoscopy

Diagnosis, Protozoa
amoebiasis, human intestinal, tectlozan for both diagnostic and therapeutic purposes in instances of diagnostic problems and persistent chronic infections, case reports

Diagnosis, Protozoa
human vaginitis, diagnosis of Trichomonas vaginalis in women attending a health clinic, differentiation from gonorrhoeal and fungal infections: Kingston, Jamaica

Diagnosis, Protozoa
E[ntamoeba] histolytica, humans, review of currently available diagnostic methods (fecal examination, search for trophozoites in body exudates and fluids, seroimmunologic methods)

Diagnosis, Protozoa
Trichomonas vaginalis, women, diagnosis, urine vs. vaginal smears: Chile

Diagnosis, Protozoa
Plasmodium, quick and easy method to determine sporozoite index in vector mosquitoes

Diagnosis, Protozoa
Galvez Rodriguez, A.; et al., 1976, Rev. Cubana Med., v. 15 (1), 7-12
human digestive tract parasites, diagnostic value of analysis of biliary drainage for evidence of gastrointestinal and biliary tract infections
Diagnosis, Protozoa
Giacchino, J. L.; et al., 1978, Surg., Gynec. and Obst., v. 146 (4), 599-603
amoebic colitis with concurrent ulcerative colitis, humans, diagnostic and therapeutic problems involved, medical management

Diagnosis, Protozoa
Gibson, W.; et al., 1978, Tropenmed. u. Parasitol., v. 29 (3), 335-345
Trypanosoma brucei gambiense, identification in Liberian pigs and dogs by isoenzyme electrophoresis and by resistance to human plasma, peptidase polymorphism demonstrated; stock from 2 pigs resistant to human plasma and contained enzyme marker previously found only in man, evidence that pigs are reservoirs for human infection in West Africa

Diagnosis, Protozoa
Gibson, W. C.; et al., 1978, Comp. Biochem. and Physiol., v. 60B (2), 137-142
Trypanosoma evansi, 10 isolates compared, isoenzymes, soluble proteins, polypeptides, free amino acids (starch gel electrophoresis, isoelectric focusing, SDS polyacrylamide electrophoresis, amino acid analysis)

Diagnosis, Protozoa
African trypanosomiasis, humans, diagnosis (radiology, electroencephalography, immunofluorescence, immunoelectrophoresis, electrophoresis)

Diagnosis, Protozoa
identification of morphologically similar trypanosomes of mammals

Diagnosis, Protozoa
identification of economically important parasites (use of anatomical, biochemical, and behavioral tests), brief review

Diagnosis, Protozoa
Goldstein, F.; Thornton, J. J.; and Szydlowski, T., 1978, Am. J. Digest. Dis., n.s., v. 23 (6), 559-560
Giardia lamblia, humans, hepatobiliary form, trophozoites in bile, nonvisualization of gall bladder as important diagnostic feature, relief of biliary symptoms after metronidazole therapy, clinical case report

Diagnosis, Protozoa
Concavalles de Lima, V. M. Q.; Roitman, I.; and Kilgour, V., 1979, J. Protozool., v. 26 (4), 648-652
trypansomatids, 7 species distinguished by electrophoretic mobilities of some isoenzymes

Diagnosis, Protozoa
human hepatic amoebiasis, comparison of colloidal and ionic 113In in differential diagnosis from neoplasms

Diagnosis, Protozoa
Trypanosoma congoense, T. vivax, cattle, factors affecting blood sampling for parasitemia and anemia (diurnal variation; earvein vs. jugular-vein blood): The Gambia

Diagnosis, Protozoa
Haemobartonella felis in cats (nat. and exper.), value of examining blood smear for diagnosis and prognosis: region of Toulouse

Diagnosis, Protozoa
Gupta, S. L.; Gautam, O. P.; and Bhardwaj, R. M., 1979, Indian J. Animal Sc., v. 49 (11), 971
Sarcocystis [sp.], sheep (diaphragm, heart muscle), prevalence, peptic digestion technique: Hissar, India

Diagnosis, Protozoa
Trichomonas foetus, dairy bulls, prevalence, diagnosis by preputial washings: Catamarca, Noroeste Argentino

Diagnosis, Protozoa
Hannon, R. H.; and Parr, C. W., 1978, Comp. Biochem. and Physiol., v. 60B (2), 177-181
Trypanosoma brucei, T. vivax, bloodstream forms, phosphoglucose isomerases, partial purification and characterization, comparison of the two species, many similarities in kinetic properties but differences in thermal stability and in isoelectric point

Diagnosis, Protozoa
Hardy, R.; and Scullin, D. R., 1971, Radiology, v. 98 (1), 147-148
E[ntamoeba] histolytica, human intestinal, thumbprinting as a diagnostic feature of radiologic examination

Diagnosis, Protozoa
Trypanosoma lewisi, blood and culture forms, T. conorhini, culture forms, isolation of DNA by 2 methods, characterization by GC base composition

Diagnosis, Protozoa
Leishmaniasis, human cutaneous infections of New and Old World origin, diagnosis by in vitro cultivation of saline aspirates from lesions in Schneider's Drosophila Medium supplemented with 30% fetal bovine serum

Diagnosis, Protozoa
Eperythrozoon suis, swine, clinical signs of infection confirmed by indirect hemagglutination and measuring packed cell volume; oxytetracycline and arsanic acid combined with lice control, arsenic toxicity
Diagnosis, Protozoa
Sarcocystis spp., cattle, monthly occurrence, localization, diagnosis: Österreich

Diagnosis, Protozoa
primary amoebic meningoencephalitis, human (brain, pancreas), clinical findings, post-mortem studies, electron microscopy, immunohistologic studies, evidence slightly more indicative of Acanthamoeba than Naegleria infection: Louisiana

Diagnosis, Protozoa
Howard, R. J.; Battey, F. L.; and Mitchell, G. F., 1979, J. Histochem. and Cytochem., v. 27 (1), 803-813
Plasmodium berghei-infected red blood cells analyzed and sorted by flow fluorimetry with the DNA-binding dye 33258; applications in biochemical and immunochemical analyses and in clinical diagnosis

Diagnosis, Protozoa
Hyman, B. C.; and MacInnis, A. J., 1979, J. Parasitol., v. 65 (3), 421-425
Plasmodium spp., rapid detection in blood smears by fluorescence microscopy with 4'6 diamidino-2-phenylindole; can also be used to stain Toxoplasma and microfilariae

Diagnosis, Protozoa
Iatsukha, M. V.; et al., 1978, Vestnik Dermat. i Venereol. (9), 12-14
trichomoniasis, women and their sexual partners, culture diagnosis superior to staining methods

Diagnosis, Protozoa
Pneumocystis carinii, method for concentration and quantitation of cysts

Diagnosis, Protozoa
Intrasupt, S.; et al., 1976, Siriraj Hosp. Gaz., v. 28 (1), 1-7
amoebiasis, human hepatic abscess, diagnosis and differentiation from hepatic carcinoma using trichromium citrate as a liver scanning agent

Diagnosis, Protozoa
Giardia lamblia, children, single dose treatment with tibenol, effective in all children treated; diagnosis by mucosal imprint, the examination of stools, duodenal juice, or jejunal biopsy material compared, mucosal imprint method most reliable: Malaysia

Diagnosis, Protozoa
Trypanosoma brucei gambiense, diagnosis, column chromatography

Diagnosis, Protozoa
Kaplan, L.; and Pries, J. M., 1979, Dis. Colon and Rectum, v. 22 (8), 573-574
Entamoeba histolytica, elderly man living in state hospital, amoebic colitis, case report, diagnosis by colonicoscopic biopsy: Minnesota

Diagnosis, Protozoa
4 strains of free-living amoebae isolated from lakes in Poland, pathogenicity for mice, response to several drugs, identified as Acanthamoeba spp. on basis of morphology and protein disc electrophoretic patterns

Diagnosis, Protozoa
Katzin, A. M.; et al., 1979, Medicina, Buenos Aires, v. 39 (1), Jan.-Feb., 76-84
Trypanosoma cruzi epimastigotes, lectins used to investigate existence, localization and distribution of saccharides on parasite surfaces, possible use in differentiating species or strains as well as parasite stages

Diagnosis, Protozoa
Pneumocystis carinii, human, early diagnosis with lung biopsy may be lifesaving, clinical case report

Diagnosis, Protozoa
Kempmann, G.; Buehler, F.; and Koesters, W., 1976, MOEFO, v. 124 (5), 424-427
Pneumocystis carinii, human, fatal pneumocystis pneumonia after renal transplantation, clinical and radiologic findings with diagnosis confirmed only on autopsy, clinical case report; needle biopsy recommended for definitive diagnosis

Diagnosis, Protozoa
Cytaxxzoom sp., domestic cats, diagnosis, gross and microscopic lesions

Diagnosis, Protozoa
Sarcocystis miescheriana, young pigs, diagnosis by compressor method

Diagnosis, Protozoa
Klapan, T.; and Rucka, A., 1979, Parassitologia, v. 21 (2), 115-121
Trichomonas vaginalis, staining of vaginal smears by fluorescense microscopy with 4'6 diamidino-2-phenylindole, potential diagnostic use

Diagnosis, Protozoa
Kletke, J. E.; and Busuttil, R. W., 1979, Surg., Gynec. and Obst., v. 148 (4), 552-556
amoebic hepatic abscess, humans, presentations of acute abdomen, differential diagnosis, surgical management, case reports

Diagnosis, Protozoa
Entamoeba histolytica, epidemiologic investigations of suspected foci of human amoebiasis occurring in the United States from 1971-1974, findings suggest diagnostic problems and misdiagnosis, suggests that stool examinations be supplemented with serology and microscopic diagnosis
Diagnosis, Protozoa
Plasmodium vivax, man, transient an-alpha-lipoproteinemia during infection, lipid electrophoresis a sensitive test for diagnosis

Diagnosis, Protozoa
Plasmodium spp., human, concentration of parasitized erythrocytes by centrifugation on Ficoll 1 solution, useful method when attempting to confirm doubtful diagnosis

Diagnosis, Protozoa
Eimeria indentata, E. maxima, characterization of DNA in oocysts by weight and buoyant density. "E. indentata from the Malayan jungle fowl is not a species distinct from E. maxima." suggests use of technique for making species distinctions between morphologically similar, closely related species of Coccidia

Diagnosis, Protozoa
Lee, S. Y.; et al., 1973, Taiwan I Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 72 (2), 91-95
Toxoplasma gondii, recovery of cysts from swine brains, formalin-ether and impression smear on inoculated mouse brain compared with fluorescent antibody technique combined with gum Arabic concentration

Diagnosis, Protozoa
Lee, S. Y.; et al., 1975, Taiwan I Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 74 (2), 82-85
Toxoplasma gondii, detection of cysts in swine lymph nodes, trypsin digestion, frozen section and imprint smear methods compared with indirect hemagglutination

Diagnosis, Protozoa
Trypanosoma vivax, cattle, evaluation of parasitological diagnostic methods (thin and thick blood smear and lymph gland smear examination, haemocrit centrifuge technique, hypotonic lysis test, mouse inoculation)

Diagnosis, Protozoa
Entamoeba histolytica, hepatic abscess, patients seen in emergency clinics, clinical data helpful in establishing a diagnosis, important guides to prognosis: Mexico

Diagnosis, Protozoa
Levenson, S. M.; et al., 1976, Radiology, v. 119 (2), 395-398
Pneumocystis carinii pneumonia, humans, potential usefulness of gallium scintigraphy in patients with suspected infections

Diagnosis, Protozoa
Lin Chu, M.; and Hsu, H. C., 1975, Taiwan I Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 74 (1), 48-53
Pneumocystis carinii, human interstitial plasma cell pneumonia, diagnosis by electron microscopy, case reports

Diagnosis, Protozoa
human malaria, errors in diagnosing cases imported into non-endemic areas

Diagnosis, Protozoa
Leishmania donovani, child, diagnosis using Crichtida sp. as antigen for the indirect fluorescent antibody test gave positive results earlier than direct smear from the spleen

Diagnosis, Protozoa
Lopez-Revilla, R.; and Gomez, R., 1978, Exp. Parasitol., v. 44 (2), 243-248
Entamoeba histolytica strains, E. invadens, E. moshkovskii, fluctuations of DNA content of axenic trophozoites, variations generally but not always occurred within a range characteristic of each species, possible causes of variation, estimation of DNA content could help to distinguish these species despite variation

Diagnosis, Protozoa
Trypanosoma brucei, man, diagnosis using the miniature anion-exchange/centrifugation method, adaptation for field use: The Gambia

Diagnosis, Protozoa
amoebiasis, human hepatic abscess, comparison of angiography and scintigraphy as diagnostic methods

Diagnosis, Protozoa
Entamoeba histolytica, children with acute intestinal amebiasis, counterimmunoelectrophoresis reaction over course of infection, limitations of this test show that diagnosis must still depend on demonstration of trophozoites in stool

Diagnosis, Protozoa
Mehlitz, D., 1979, Tropenmed. u. Parasitol., v. 30 (2), 212-219
Trypanosoma spp., infection rates in domestic animals; screening of dogs and pigs to indicate potential reservoirs of T. (Trypanozoon) brucei gambiense; comparison of sensitivity of 3 diagnostic techniques; comparison of number of primary isolations and derived stabilatated Trypanosoma stocks: rain forest areas, Liberia

Diagnosis, Protozoa
piroplasms isolated from bovine blood infected with Theileria annulata and T. parva, isoenzyme variation
SUBJECT HEADINGS

Diagnosis, Protozoa
Toxoplasma gondii, human acquired lymphatic form, diagnosis by injecting infected lymphatic tissue into mice

Diagnosis, Protozoa
Anaplasma marginale, buffaloes, use of both capillary tube agglutination test and blood-film examination recommended for survey and diagnostic purposes: Egypt

Diagnosis, Protozoa
human acute falciparum malaria, changes in serum protein patterns studied using polycrylamide gel electrophoresis, other blood biochemical parameters

Diagnosis, Protozoa
amoebic liver abscess, humans, serum protein patterns compared with those of patients with primary hepatoma using electrophoresis and immunoelectrophoresis, value in differentiating conditions

Diagnosis, Protozoa
Trypanosoma cruzi, primary isolation by hemoculture of parasites from naturally infected Didelphis azarae, mice (exper.) and acute and chronic infections in humans; low proportion of successful isolations from human chronic infections due probably to lower parasitemia; hemoculture from chronic patients also differed markedly from other hosts in very slow growth-rate obtained which was probably due to continuing activities of humoral and cellular components in blood inoculum

Diagnosis, Protozoa
Trypanosoma cruzi, detection in mice, humans, and Didelphis azarae, acute and chronic infections, xenodiagnosis vs. haemoculture, quantitative comparison

Diagnosis, Protozoa
Trypanosoma vespertilionis, morphology of bloodstream forms, sites and morphology of tissue stages (in cysts), morphology and ultrastructure of culture forms, difficulties in differentiating from T. cruzi
diagnosis using lymphography, clinical case reports
Diagnosis, Protozoa
Leishmania donovani, man, infection of nasopharyngeal tissue and lymph nodes as well as visceral infection, clinical presentation appearing to be nasopharyngeal tumor, diagnostic problems discussed, case report: Nalagarh, Himachal Pradesh, India

Diagnosis, Protozoa
Giardia lamblia, human, comparative evaluation of diagnostic techniques (examinations of 3 stool samples, jejunal aspirate, and jejunal mucosal impression smears)

Diagnosis, Protozoa
Trypanosoma cruzi, mice, experimental infections, culture methods vs. xenodiagnosis

Diagnosis, Protozoa
Nerad, T. A.; and Daggett, P. M., 1979, J. Protozool., v. 26 (4), 613-615
Naegleria fowleri, N. gruberi, isoenzyme electrophoresis as effective method for separation of pathogenic and nonpathogenic Naegleria strains

Diagnosis, Protozoa
Ni, G. V., 1973, Parazitologiia, Leningrad, v. 7 (1), 75-78
Leptomonads, differentiation of pathogenic (Leishmania tropica major) from non-pathogenic strains by their reaction to increased incubation temperatures in vitro

Diagnosis, Protozoa
Ogino, K.; et al., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (3), 116-125
Pneumocystis carinii, identification, evaluation of several staining methods

Diagnosis, Protozoa
Ohmori, Y.; Yamaguchi, T.; and Ohishi, I., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (5), 323-335
Dirofilaria immitis, immature worms, morphology in cross section

Diagnosis, Protozoa
Amoebic liver abscess, patients presenting with jaundice, diagnostic problems resulting in delayed therapy, often result in fatal complications of hepatic and renal failure

Diagnosis, Protozoa
Palmieri, J. R.; and Sullivan, J. T., 1977, J. Invert. Path., v. 30 (2), 276
Microsporida, staining technique for location of spores in host tissue used to locate Nosema sp. in Lymnaea rubiginosa snails and Tracheophilus sp. rediae

Diagnosis, Protozoa
Babesia bigemina, cow calves (exp.), clinical symptoms as related to percentage of parasitaemia in various stages of disease as basis for timely diagnosis and treatment, highest parasitaemia at peak of fever

Diagnosis, Protozoa
Pulmonary amoebiasis in man without involvement of liver, diagnosis after expectoration of chocolate colored material, successful therapy of emetine and chloroquine: Spain (had resided previously in Algeria)

Diagnosis, Protozoa
Perpignano, G.; Argiolas, N.; and Pintus, A., 1974, Rassegna Med. Sarda, v. 77, n.s., v. 26 (2), 143-167
Entamoeba histolytica, human hepatic abscess, current clinical aspects reviewed, diagnosis by X-ray and scintigraphy, recommendations for therapy

Diagnosis, Protozoa
Peyron, J. P.; Marbot, J. M.; and Pascal-Suisse, R., 1979, Med. Trop., v. 39 (6), 665-673
Amebic liver abscesses, humans, echography in diagnosis, treatment and surveillance, especially useful in tropical areas

Diagnosis, Protozoa
Pneumocystis carinii, value of toluidine blue "O" stain compared to modified Gomori's stain for diagnosis of pneumonitis

Diagnosis, Protozoa
Pneumocystis carinii cysts, modification of Grocott's methenamine silver nitrate staining for rapid diagnosis

Diagnosis, Protozoa
Pintozzi, R. L.; Blecka, L. J.; and Nanos, S., 1979, Acta Cytol., v. 23 (1), 35-39
Pneumocystis carinii, morphologic identification, staining characteristics of parasite in various stains

Diagnosis, Protozoa
Ponirovskii, E. N., 1975, Parazitologiia, Leningrad, v. 9 (2), 139-141
Leishmania, comparison of 3 methods of identification of strains

Diagnosis, Protozoa
Sarcocystis, cattle, isolation and identification using various diagnostic methods, differentiation from Toxoplasma with dye-test: Denmark
Diagnosis, Protozoa
Prevati, G., 1979, J. Trop. Med. and Hyg., v. 82 (5), 105-109
Leishmania donovani-infected mice, correlation of hyperplasia, splenomegaly and hepatomegaly with parasite population, possible application to early diagnosis of human visceral leishmaniasis

Diagnosis, Protozoa
Quadri, M. A.; et al., J. Trop. Med. and Hyg., v. 81 (1), 16-19
human hepatic amoebiasis, clinical diagnostic features, treatment trials with tinidazole, 100% cure rate at 2-month follow-up, some side effects: Bangladesh

Diagnosis, Protozoa
Trypanosoma cruzi, diagnostic review of acute and chronic human cases: Yucatan, Mexico

Diagnosis, Protozoa
Ramachandran, S.; et al., 1979, Trop. Doctor, v. 9 (4), 164-167
amoebiasis, human hepatic abscess, criteria of diagnostic significance and scoring system for making diagnosis: Sri Lanka

Diagnosis, Protozoa
Reed, J. C.; and Madewell, J. E., 1975, Radiology, v. 116 (1), 1-9
Pneumocystis carinii pneumonia, humans, air bronchogram used in differential diagnosis

Diagnosis, Protozoa
Plasmodium spp., issue devoted to current status of human amoebiasis (physiopathology, clinical forms, diagnosis, treatment, epidemiology), anniversary presentation at the Academy of Medicine of Chile

Diagnosis, Protozoa
Entamoeba histolytica, current status of human amoebiasis (physiopathology, clinical forms, diagnosis, treatment, epidemiology), life cycle, geographic distribution, immunopathology, diagnosis, clinical management, treatment and prophylaxis

Diagnosis, Protozoa
Rodriguez Osorio, M.; et al., 1978, Rev. Iber. Parasitol., v. 38 (3-4), 793-804
Sarcocystis moulei, caprine, comparative study of 3 diagnostic tests, peptic artificial digestion, immunodiffusion, and indirect immunofluorescence

Diagnosis, Protozoa
Eimeria maxima (Weybridge) and E. maxima (indentata) were distinguished by electrophoretic mobility of phosphoglucomutase, this enzyme was used as marker to detect genetic transfer of methyl benzoxazole resistance between resistant and sensitive lines of these parasites

Diagnosis, Protozoa
Hradci Kralove, Suppl., v. 15 (2), 141-144
Trypanosomas, human, differential diagnosis, discussion of possible involvement in pre-cancerous lesions and carcinomas of the cervix uteri

Diagnosis, Protozoa
human hepatic amoebic abscess, isotope scanning and ultrasonography, combined use for differential diagnostic workup and for therapeutic evaluations

Diagnosis, Protozoa
Rowecka-Trzebicka, K.; et al., 1979, Pediat. Polska, v. 54 (7), 687-691
Pneumocystis carinii, infants, pneumonia, pulmonary aspiration biopsy and presence of IgM and IgG in serum confirm diagnosis

Diagnosis, Protozoa
human lymphatic toxoplasmosis, differential diagnosis, case reports, clinical aspects

Diagnosis, Protozoa
cutaneous leishmaniasis, 54-year-old woman, microscopic findings, ultrastructure of lesion presented to facilitate diagnosis in South West Africa

Diagnosis, Protozoa
Sapunar, J.; et al., 1979, Bol. Chileno Parasitol., v. 34 (1-2), 36-39
Entamoeba histolytica, 21-year-old female with fulminating colitis, clinical case report; differential diagnosis of diarrheic conditions: Chile

Diagnosis, Protozoa
Entamoeba histolytica (14 stocks), E. coli (1 stock), electrophoretic isoenzyme patterns

Diagnosis, Protozoa
Sargeaunt, P. G.; and Williams, J. E., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (2), 225-227
pathogenic and non-pathogenic intestinal amoeba of man, all species can easily be distinguished by characteristic electrophoretic isoenzyme patterns

Diagnosis, Protozoa
Entamoeba histolytica, differentiation of invasive and non-invasive forms by isoenzyme electrophoresis

Diagnosis, Protozoa
Acanthamoeba culbertsoni extracted from cerebrospinal fluid, surface topography, scanning electron microscopy, possible diagnostic application
Diagnosis, Protozoa
Sheehan, D. J.; et al., 1979, J. Clin. Microbiol., v. 10 (3), 128-133
Entamoeba histolytica, human, diagnosis, comparison of microscopic, cultural, counterimmunoelectrophoresis, and indirect hemagglutination techniques

Diagnosis, Protozoa
Sarcosporidia, survey of incidence in domestic animals by examining for cystozoites, rather than cysts, distribution by season, age of host, species of animal, and climate: Jordan

Diagnosis, Protozoa
human hepatic amoebic abscess, diagnosis, ultrasound

Diagnosis, Protozoa
Entamoeba histolytica, intrahepatic inoculation in Cricetus auratus of human strain associated with Blastocystis hominis, liver abscess, diagnosis, results demonstrate the tissue adaptability of B. hominis and its potential as a conditioned pathogen

Diagnosis, Protozoa
Pneumocystis carinii, case report of recurrent pneumonia in immunocompromised patient, normal chest X-rays complicated diagnosis, bronchial brushing or pulmonary biopsy advised for definitive diagnosis

Diagnosis, Protozoa
Trypanosomiasis, several diagnostic methods evaluated under laboratory and field conditions

Diagnosis, Protozoa
Trichomonas foetus, Aberdeen Angus bulls (exper.), efficiency of different culture media for diagnosis

Diagnosis, Protozoa
Plasmodium relictum, P. elongatum in Spheniscus demersus, diagnostic methods evaluated, chloroquine phosphate and primaquine phosphate therapy: Baltimore Zoo

Diagnosis, Protozoa
Babesia bigemina and B. argentina, morphological differentiation, using smears and tissue sections of splenectomized calf organs (liver, lung, kidney, heart, lymph node, brain)

Diagnosis, Protozoa
Sulaiman, A.; and Gips, C., 1974, Tijdschr. Gastro-entérocol., v. 17 (6), 373-382
identification of gall bladder bile during duodenal intubation, includes information on diagnosis of human lambliasis

Diagnosis, Protozoa
Toxoplasma gondii, woman (lung tissue), post-mortem diagnosis by electron microscopic fine-structural analysis, case report

Diagnosis, Protozoa
Sarcocystis spp., structure of muscle cyst walls, comparative study, light and electron microscopy, useful but not infallible tool for recognizing different species

Diagnosis, Protozoa
Tririchomonas foetus, bulls, diagnosis by direct microscopic examination and by cultural recovery, comparison of 2 methods for collection of preputial secretions, suitability of transport medium

Diagnosis, Protozoa
Giardia lambia, humans, diagnosis, enterostom test duodenal capsule vs. stool examination or jejunal aspirate obtained by jejunal biopsy

Diagnosis, Protozoa
Naegleria fowleri, differentiation from X. gruberi by comparison of phagocytic behavior towards baker's yeast

Diagnosis, Protozoa
Tippitt, T. S., 1978, Southwest. Vet., v. 31 (2), 97-104
Trypanosoma cruzi in dogs, review of etiology, pathogenesis, disease syndrome, macroscopic and microscopic findings, clinical features, diagnosis, treatment with Bayer 2502, and public health significance: Texas

Diagnosis, Protozoa
amoebiasis, children suspected to have invasive infection of the colon, radiologic diagnosis

Diagnosis, Protozoa
bone marrow aspiration, diagnostic technique for Leishmania donovani and other blood dyscrasias
Diagnosis, Protozoa
Plasmodium vivax infection in man thought to have hepatic amoebiasis because of complaints of jaundice, fever, and hepatomegaly, after blood smears revealed evidence of malaria man was cured with chloroquine and dapsone: Chile, had made recent visit to Brazil

Diagnosis, Protozoa
Trypanosoma gambiense, T. rhodesiense, detection in human blood using column separation and membrane filtration

Diagnosis, Protozoa
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Nosema apis spores, differential diagnosis in pollen by lugol staining

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Vessal, K.; et al., 1976, Radiologe, v. 16 (1), 38-42
Pneumocystis carinii pneumonia, infants, radiologic diagnosis, evaluation of infection course by radiology and its use as guideline for therapy

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Trypanoplasma-like flagellates, free-living, possibly mistakenly identified as trypanosomes and Trichomonas, potential cause of confusion in diagnosis of human and animal diseases

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Kudoa [sp.] in Chaetodon (skeletal muscle), ultrastructure, light and electron microscopy, differential diagnosis

Diagnosis, Protozoa
Theileria spp., rapid quantitative assessment of infection in ticks, simplified method for methyl green pyronin staining of salivary glands

Diagnosis, Protozoa
Woo, P. T. K., 1979, Exper. Parasitool., v. 47 (1), 36-48
Trypanoplasma salmositica, successful in vitro culture and subpassage, course of infection in Salmo gairdneri (exper.), clinical signs (anemia, exophthalmia, abdominal distension with ascites, splenomegaly), diagnosis by wet mount examination more sensitive than hematocrit centrifuge technique, evidence of possible antigenic variation

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Zillmann, U.; and Mehlitz, D., 1979, Tropenmed. u. Parasitol., v. 30 (2), 244-248
Trypanosoma (Trypanozoon) [sp.] in Gallus gallus var. domesticus (nat. and exper.), diagnosed from morphology and infectivity in Mastomys natalensis (exper.), significance for epizootiology and epidemiology of trypanosomiasis: Ivory Coast

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Fluke infections, human, geographic distribution, clinical aspects, need for differential diagnostic considerations in travellers, immigrants, and military personnel

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Diagnosis, Trematoda
Baysse-Dufour, C.; et al., 1978, Ann. Parasitol., v. 53 (6), 595-605
Diplodiscus subclavatus, D. fischthalicus, cercariae, comparison of excretory system and chetotaxy

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Mesocoelem monodi, chetotaxy of cercariae and metacercaria: environs de Lome, Togo

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Schistosoma mansoni, S. haematobium, human, diagnostic aspects of rectal pathology as observed via sigmoidoscopy

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Bouvry, M.; et al., 1974, Rev. Med. Cote d'Ivoire (24), v. 10, 2. trimestre, 9-12
Schistosoma mansoni, human, evaluation of laparoscopy for diagnosis of hepatic schistosomiasis, recommended as adjunct to standard methods

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Schistosoma mansoni, patients with hepato-intestinal, compensated hepatosplenic, and decompensated hepatosplenic forms, plasma free cholesterol and cholesterol ester concentrations

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Bilharziasis, human, α-esterase activity in serum and urine, latter recommended as screening test for bilharzial bladder cancer

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Ergens, R.; and Dultmaa, A., 1971, Folia Parasitol., v. 18 (1), 33-39
Ancylodiscoides spp., reliable criterion for identification is shape of individual chitinoid parts of haptor, and of conulatory organ

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Bilharzia mansoni, incidence of Fallopian tube infections, possible role as etiologic factor in ectopic pregnancy and salpingitis, tubal infection does not present typical clinical picture for diagnosis

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Galvez Rodriguez, A.; et al., 1976, Rev. Cubana Med., v. 15 (1), 7-12
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Diagnosis, Trematoda
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Schistosoma haematobium, human genital organs, diagnosis and assessment of infections and calcifications using radiology.

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Schistosoma mattheei, surface structures of integument suggest basic adaptations for clasping of male and female schistosomes and for parasite attachment to host, scanning electron microscopy; taxonomic implications.

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Volkmer, K. J.; and Brahmand, H., 1975, ROFO., v. 122 (3), 265-267
Paragonimus westermani, humans, radiologic pulmonary changes, differentiation from tuberculosis.

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Wright, C. A.; Southgate, V. R.; and Ross, G. C., 1979, Internat. J. Parasitol., v. 9 (6), 521-528
Schistosoma intercalatum, Lower Guinea vs. Zaire strains, enzyme analysis by isoelectric focusing.
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Tourist diarrhea of parasitic and bacterial origins, clinical review

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Sapunar, J.; et al., 1979, Bol. Chileno Parasitol., v. 34 (1-2), 35-39
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Stuart, B. P.; and Lindsay, D., 1979, J. Am. Vet. Med. Ass., v. 175 (4), 328-329
Isospora suis, baby pigs (nat. and exper.), clinical disease

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Tomkins, A. M., 1979, Trop. Doctor, v. 9 (1), 21-24
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Armstrong, E., 1979, Ztschr. Parasitenk., v. 59 (1), 27-29
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Becker, W.; and Lueth, W., 1977, Ztschr. Parasitenk., v. 53 (1), 100-113
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Berry, C. I.; and Dargie, J. D., 1978, Vet. Parasitol., v. 4 (4), 327-359
Fasciola hepatica, sheep (exper.), pathophysiology: influence of dietary protein and iron on erythrokinetics
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Ostertagia ostertagi, calves (exper.), various diets, no effect on establishment, growth and maturation of parasites

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Buck, A. A.; and Anderson, R. I.; and MacRae, A. A., 1978, Tropenmed. u. Parasitolog., v. 29 (3), 253-268
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Cargill, C. F.; and Dobson, K. J., 1979, Vet. Rec., v. 104 (2), 33-36
Sarcopetes scabiei var. suis, growing pigs housed and fed under optimal and sub-optimal conditions of management, effect of experimental infections on growth rates and feed conversion efficiencies, concluded that loss of productivity is closely related to intensity of hypersensitivity reaction

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Dargie, J. D.; and Berry, C. I., 1979, Internat. J. Parasitology, v. 9 (1), 17-25
Fasciola hepatica, sheep, development of hypoalbuminemia during course of primary infection, accompanying changes in albumin metabolism, influence of protein intake

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Dargie, J. D.; Berry, C. I.; and Parkins, J. J., 1979, Research Vet. Sc., v. 26 (3), 289-295
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Angiostrongylus cantonensis, vitamin A-deficient rats, reduced non-specific local resistance at site of entry, reduced specific immunity to reinfection

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Farquhar, A. S.; Anthony, W. B.; and Ernst, J. V., 1979, J. Animal Sc., v. 49 (5), 1331-1336

Eimeria bovis oocysts in manure-blended diet, adequate ensiling prevents sporulation

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Sarcocystis cruzi-infected calves (exper.), pathophysiological changes in urine and blood, several specific effects beyond those induced by nutritional stress

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Fromunda, V.; and Popescu, S., 1978, Rev. Crest. Animalelor, v. 28 (11), 38-42

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intestinal helminths, African schoolchildren, systematic thiabendazole therapy over 6-month period, increased weight gains with cost of therapy less than if given nutritional supplements, favorable impact on epidemiology: Yaounde, Cameroon

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Cuterebra fontinella, susceptibility of Peromyscus leucopus in relation to host age, dietary levels of vitamin A, and previous infestation history

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Horton, G. M. J., 1977, J. Animal Sc., v. 46 (4), 891-895

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Ascaris suum and vitamin C deficiency, effect on levels of glucose and riboflavin-soluble phosphate compounds in blood of guinea pigs

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Jackson, J. A.; and Nickol, B. R., 1979, J. Parasitol., v. 65 (1), 167-169

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Jones, W. O.; and Symons, E. A., 1978, Exper. Parasit., v. 44 (3), 93-95

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Lee, C. M.; Glasgow George, Y.; and Abokocole, G., 1977, Ztschr. Parasitenk., v. 53 (1), 1-6

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Perez, H.; Malave, I.; and Arredondo, B., 1979, Clin. and Exper. Immunol., v. 38 (3), 453-460
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Diet and nutrition, Host
Straat, H., 1979, Trop. Animal Health and Prod., v. 11 (2), 71-83
trichostrongylosis, dairy calves, control: rotational grazing vs. set stocking, daily removal of feces from fields, nutritional level: Kenya

Diet and nutrition, Host
Sykes, A. R., 1978, Vet. Rec., v. 102 (2), 32-34
subclinical parasitism in sheep, effects of parasites localized in abomasum, small intestine, and liver on bodyweight gain, efficiency of food utilization, and serum constituents, diagnostic aids

Diet and nutrition, Host
Trichostrongylus vitrinus, sheep (exper.), chronic infection, food intake and body weight gains, food digestibility, body composition, bone chemistry and histology, serum constituents

Diet and nutrition, Host
Takhar, B. S.; and Farrell, D. J., 1979, Brit. Poultry Sc., v. 20 (2), 197-212
Eimeria acervulina- or Eimeria tenella-infected chickens, energy and nitrogen metabolism

Diet and nutrition, Host
Takhar, B. S.; and Farrell, D. J., 1979, Brit. Poultry Sc., v. 20 (2), 213-224
Eimeria acervulina, chickens, single infection provides protection against adverse effects on energy and nitrogen metabolism of further similar infection

Diet and nutrition, Host
Tomkins, A. M., 1979, Trop. Doctor, v. 9 (1), 21-24
role of intestinal parasites in human diarrhoea and malnutrition: mechanisms of diarrhoea, malabsorption, pathology and clinical symptoms, control

Diet and nutrition, Host
Amblyomma maculatum, feeding and development, effects of vitamin and mineral deficiencies in host Rattus norvegicus diet
Diet and nutrition, Host
Schistosomiasis and/or hookworm, humans, study of blood and nutrition losses shows that drain on iron, protein, zinc and vitamin A stores plus other pathology is more significant as cause of malnutrition than abnormality of absorption functions: Egypt

Diet and nutrition, Host
Malaria, hookworm, Schistosoma haematobium, humans in rural environment, epidemiology in relation to malnutrition and host age, importance as public health problems: Zambia

Diet and nutrition, Host
Ascaris-infected children, levamisole, effect on growth rate; results consistent with a causal association between ascariasis and malnutrition: Ubiri Village near Lushoto, Tanzania

Diet and nutrition, Host
Anaplasma marginale, Bos indicus cross steers (exper.), effects of reduced energy intake on humoral antibody response, parasitaemia, body weight, packed cell volumes, and plasma protein values

Diet and nutrition, Parasite
Schistosoma mansoni, mice, oogram as sensitive method of assessing effect of host malnutrition on parasite

Diet and nutrition, Parasite
Physiology of fish parasites, review: chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition (role of gut, role of tegument); metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)

Diet and nutrition, Parasite
Intracellular Protista, taxonomic range, location within host cells, host species and host cell specificity, invasion of host cells, methods of evading intracellular destruction by lysosomes, nutrition, effects on structure and composition of host cells, exit from host cell, review

Diet and nutrition, Parasite
Batson, B. S., 1979, Internat. J. Parasitol., v. 9 (6), 495-505
Gastroenemis boophthora, body wall, ultrastructural changes during life cycle, alkaline phosphatase activity, relationship to transcuticular uptake of nutrients

Diet and nutrition, Parasite
Batson, B. S., 1979, Internat. J. Parasitol., v. 9 (6), 505-511
Gastroenemis boophthora, trophosome, ultrastructure at selected points in life cycle, functional considerations

Diet and nutrition, Parasite
Belinskaiia, V. Z., 1973, Parazitologiya, Leningrad, v. 7 (2), 116-122
Hypoderma bovis, 1st stage larvae, uptake of amino acids tagged with radioisotopes

Diet and nutrition, Parasite
Rhabditis maupasi, axenic cultivation in chemically defined medium, nutritional (amino acid, heme, and sterol) requirements

Diet and nutrition, Parasite
Chen, S. N.; and Howells, R. E., 1979, Parasitology, v. 78 (3), 343-354
Brugia pahangi, infective larvae, juveniles, adults, uptake in vitro of dyes, monosaccharides, and amino acids, no evidence for oral uptake, transcuticular route of uptake may be employed

Diet and nutrition, Parasite
Doran, D. J.; and Augustine, P. C., 1978, J. Protozool., v. 25 (4), 544-546
Eimeria tenella, vitamin requirements for development in primary cultures of chicken kidney cells

Diet and nutrition, Parasite
Euzetremia knoepffleri, ultrastructure of digestive caecum, partially haematophagous diet, digestive process, evidence for synchronous cycle of gastrodermal activity and 'apocrine-like' release of residues of digestion

Diet and nutrition, Parasite
Fried, B.; and Nelson, P. D., 1978, Parasitology, v. 77 (1), 19-26
Zygocotyle lunata in domestic chicks, gross and histopathological effects on caecal tissues, feeding by worms on host caecal debris, stunting due to worm crowding

Diet and nutrition, Parasite
Trypanosomatid protozoa, 16 spp., survey for acetylornithinase and ornithine acetyltransferase, metabolic and nutritional implications
Diet and nutrition, Parasite
Gordon, R.; et al., 1978, Parasitology, v. 77 (3), 367-374
Neomosomermis flumenalis in Prosimulium mixtum/fuscum and Simulium venustum, effects of parasitism on hemolymph composition (protein, amino acid, carbohydrate), relationship to nematode's nutritional requirements

Diet and nutrition, Parasite
Ixodes ricinus, copulation, nutrition, and oviposition, rearing method, white mouse used for larvae and nymphs, rabbit and guinea pig for females, sex of nymphs determined successfully on basis of engorgement weight

Diet and nutrition, Parasite
Diclidophora merlangi, trans-epithelial absorption of L-alanine and L-leucine, worm is clearly sanguinivorous and digests blood of supplementing this diet with low molecular weight organic nutrient absorbed directly from sea water via tegument

Diet and nutrition, Parasite
Higgins, J. C., 1979, Parasitology, v. 78 (1), 29-37
Bucephalus haimeanus, metacercaria, role of diet in nutrition, organic nutrient absorbed directly from sea water via tegument

Diet and nutrition, Parasite
free-living and symbiotic Turbellaria, patterns of nutritional physiology, their implications for evolution of entoparasitism

Diet and nutrition, Parasite
Kamala Bai, M.; and Prasad, R. S., 1979, Entom. Expres et Applic., v. 26 (1), 80-84
Xenopsylla cheopis, X. astia, role of dietary components in vitellogenesis

Diet and nutrition, Parasite
Lo, H. S.; and Reeves, R. E., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 104-107
Entamoeba histolytica, axenic culture, riboflavin requirement

Diet and nutrition, Parasite
Mauro, R. A.; and Heinstein, P. O., 1979, Internat. J. Parasitol., v. 9 (5), 421-427
Nematospioideos dubius, Hippostrongylus brasiliensis, nutritional requirements for development of free-living stages in vitro: effects of sterols, rat hematin, and coproporphyrin; analysis of egg lipids

Diet and nutrition, Parasite
Actornithophilus gracilis, Austromenopon angialitidis, Quadracris junceus, lauping nestlings, correlation between number of lice and host age, food preferences of both sexes of lice, overcrowding

Diet and nutrition, Parasite
Myrsidea cornicis, Callacanthus kaddou, drinking of eye secretions of bird hosts

Diet and nutrition, Parasite
Mied, F. A.; and Buizing, E., 1979, J. Parasitol., v. 65 (1), 25-30
Hymenolepis diminuta, glycogen synthase, parasitic nutritional state, interconversion of enzyme forms, and primer glycogen molecular weight as control factors

Diet and nutrition, Parasite
Poecilobella granulosa, phosphatase systems inhibited by various amino acids but alkaline phosphatase of stomach and intestine activated by certain amino acids at low concentrations, related to sanguinivorous habits

Diet and nutrition, Parasite
children with syndrome of enlarged parotids, localized forehead edema, heavy infestation with Ascaris lumbricoides, and unusual freedom from malaria, piperazine treatment of ascariasis resulted in attacks of malaria, suppression of malaria may be nutritional consequence of severe ascariasis and may represent ecological balance for optimum co-survival of host and two parasites: Anjouan, Comorro archipelago

Diet and nutrition, Parasite
Bovicola bovis, examination of dietary constituents

Diet and nutrition, Parasite
Panza Carpio, J. A., 1974, Rev. Fac. Farm., Univ. Central Venezuela (27), v. 14, 61-68
Trypanosoma rangeli, culture in diphasic medium containing human albumin, possible functions in fixation and nutrition

Diet and nutrition, Parasite
Parshad, V. R.; and Guraya, S. S., 1978, J. Helminth., v. 52 (4), 327-333
Cotyphorom corythrion, nature of food material, morphology and histochemistry of intestinal caecum, functional significance of surface carbohydrates and hydrolytic enzymes in relation to digestion and absorption of nutrients

Diet and nutrition, Parasite
Plasmodium lophurae, pyridoxine kinase in trophozoites and in duckling erythrocytes, results suggest that vitamin B6 metabolism of malaria parasites is distinct and separate from that of host erythrocytes
Diet and nutrition, Parasite
Strongylus edentatus, feeding sites on caecal mucosa of horse, worm intestinal contents, histological study.

Diet and nutrition, Parasite
mites from nests of suslik, feeding on flea eggs and larvae and blood and albumen, comments on regular feeding habits; possible influence on flea populations.

Diet and nutrition, Parasite
Romestand, B., 1979, Ann. Parasitol., v. 54 (4), 423-448
Cymothoidea of teleost fish, hematophagy, host immune response, biochemical, histological, haematological, and biometrical (growth) changes in infected hosts.

Diet and nutrition, Parasite
Plasmodium tropiduri, P. berghei, P. gallinaeum, intraerythrocytic stages, morphological and enzyme cytochemical observations on nhoagotrophy.

Diet and nutrition, Parasite
Shapiro, A.; et al., 1978, J. Protozool., v. 25 (4), 530-535
Crithidia fasciculata, growth in vitro, improvements in defined medium, survey of efficiency of chelators, chelator-metal ion relations, Fe, Cu, Mo requirements for hemin sparing, potential uses of high-yield media.

Diet and nutrition, Parasite
Tinsley, R. C.; and Owen, R. W., 1979, J. Helminth., v. 53 (4), 307-316
Xenopodistomum xenopodis from Xenopus laevis (gall bladder), morphology, growth and development, prevalence and intensity of infection, absence of pathological effects, parasite's diet: imported to England from Cape Flats, near Cape Town, South Africa.

Diet and nutrition, Parasite
Trager, W., 1974, Ciba Found. Symp., n.s. (20), 225-254
trypanosomes, leishmanias, nutrition and biosynthetic capabilities, problems of in vitro cultivation and differentiation, review.

Diet and nutrition, Parasite
Valtonen, E. T., 1979, J. Fish Dis., v. 2 (2), 99-103
Neoechinorhynchus rutili in Coregonus nasus, seasonal prevalence, intensity of infection, distribution in host intestine, correlation between ostracods in diet and occurrence of N. rutili: north-east aspect of Bothnia, between parish of Haukipudas and island of Hailuoto.

Diet and nutrition, Parasite
Warenycia, M. W.; et al., 1978, Experientia, v. 34 (4), 473-475
Trypanosoma theileri, identification as contaminant in primary cultures of bovine retina, successful subculture for 2 passages in sub-confluent cultures, some nutritional requirements, when cultures reached confluency no trypomastigotes or epimastigotes could be detected and attempts to recover trypanosomes from these cultures were unsuccessful.

Diet and nutrition, Parasite
special modes of nutrition in some digenetic trematodes.

Digestion, Host
strongylo-infected ponies (nat. and exper.), disturbances of digestive motility, effect of mebendazole treatment.

Digestion, Host
Dargie, J. D.; Berry, C. I.; and Parkins, J. J., 1979, Research Vet. Sc., v. 26 (3), 289-295
Fasciola hepatica, sheep (exper.) given hay or hay plus pelleted supplement, feed intake and digestibility, body weight and nitrogen balance.

Digestion, Host
Eimeria spp., effects of coccidiosis on digestive capacity (amylase) of broiler chickens, changes in pancreatic, luminal, and surface-bound amylolytic activity, reduction in amylolytic activity as pH went below 5.0.

Digestion, Host
Reynolds, G. W.; et al., 1979, Ann. Recherches Vet., v. 10 (2-3), 341-343
Ostertagia circumcincta-infected sheep (exper.), assay of tissue and serum gastrin, hypergastrinaemia.

Digestion, Host
Trichostrongylus vitrinus, sheep (exper.), chronic infection, food intake and body weight gains, food digestibility, body composition, bone chemistry and histology, serum constituents.

Digestion, Parasite
Schistosoma mansoni-infected mice injected via tail vein with peroxidase and Thorotrast, subsequent appearance of these tracers in worms, results suggest that tegumental and cecal surfaces may exhibit functional specialization in male vs. female worms.
Digestion, Parasite
Davydov, O. N.; and Kosenko, L. Ia., 1972, Parazitologiia, Leningrad, v. 6 (3), 269-273
Ligula intestinalis, amylase in surface layer of plerocercoids and in media in which they were maintained, findings suggest capability of membrane (contact) digestion and absorption of food from host

Digestion, Parasite
Poecilobdella granulosa, decerebration leads to activation of gastric phosphatases and inhibition of intestinal phosphatases; correlation with metabolic metameric control

Digestion, Parasite
Ernst, S. C., 1976, Rice Univ. Studies, v. 62 (4), 81-95
Schistosoma mansoni, alkaline phosphatase activity, biochemical and cytochemical studies, tegumental localization suggests that invaginations of tegument represent surface compartments that would facilitate digestive absorptive activity of this membrane, localization of nonspecific alkaline phosphatase activity in tegument but not in esophagus or cecum may reflect regional differences in function

Digestion, Parasite
Fournier, A., 1978, Parasitology, v. 77 (1), 19-26
Euzetrema kneepfieri, ultrastructure of digestive caecum, partially haematophagous diet, digestive process, evidence for synchronous cycle of gastroduodenal activity and 'apocrine-like' release of residues of digestion

Digestion, Parasite
Poecilobdella granulosa, phosphatase systems inhibited by various amino acids but alkaline phosphatase of stomach and intestine activated by certain amino acids at low concentrations, correlated with sanguivorous habits

Digestion, Parasite
Parshad, V. R.; and Guraya, S. S., 1978, J. Helminth., v. 52 (4), 327-335
Cotylophoron cotylophorum, nature of food material, morphology and histochemistry of intestinal caecum, functional significance of surface carbohydrates and hydrolytic enzymes in relation to digestion and absorption of nutrients

Digestion, Parasite
Plasmodium tropiduri, P. berghei, P. gallinaeum, intraerythrocytic stages, morphological and enzyme cytochemical observations on phagotrophy

Digestive system. [See also Biliary tract; Esophagus; Intestine; Mouth; Pancreas; Stomach]

Digestive system, Host
Toxoplasmosis, human, gastritis, cholecystitis, colitis and other pathology involving the gastrointestinal tract

Digestive system, Host
Stepien, H., 1977, Przegl. Epidemiol., v. 31 (3), 299-303
Enterobius vermicularis, Trichuris trichiura, Ascaris lumbricoides, children, enteric parasites modify quantitatively and qualitatively the host intestinal flora

Digestive system, Parasite
Tremorchis ranarum, Ganeo tigrinum, Mohrorchis ranarum, presence of only one type of epithelial cells in caeca performing both functions of secretion and absorption

Digestive system, Parasite
Aspiculuris pakistanica from Rattus rattus, description of cephalic region, buccal capsule, and oesophagus, distribution of nuclei in oesophagus

Digestive system, Parasite
Schistosoma mansoni, digestive system, ultrastructure

Dimorphism. [See also Morphology; Polymorphism]

Dimorphism
Falsifilicollis sp., invaginated and disinvaginated larvae, description, sexual dimorphism in relation to size

Disease models, Animal. See Technique, Experimental hosts.

Disease transmission. [See also Epidemiology; Foci; Occupational diseases; Reservoir hosts; Sanitation and hygiene; Vectors]

Disease transmission
Bilharzia, stochastic version of Macdonald's model for transmission

Disease transmission
Human intestinal parasites, epidemiologic survey of children in orphanage for methods of transfer of infections (clothing, dust, jewelry, feces, hands, nails, bed linens): Londrina, Parana, Brazil
Disease transmission, Animal to animal
Dipetalonema viteae, larval migration and distribution in Ornithodoros tartakowskyi, elimination of nematode larvae in tick coxal fluid may prevent hyperinfection, cannibalism transmits nematodes among ticks

Disease transmission, Animal to animal
Trypanosoma hippicum, importance of bats as reservoir hosts in epidemiology of zoonoses

Disease transmission, Animal to animal
Lukashenko, N. P.; et al., 1972, Parazitologiia, Leningrad, v. 6
Neraasen, Morozov, Iu. A., 1972, Parazitologiya, Leningrad, v. 6 (4), 334-337
Ileal exchange between Rhombomys opimus and Citellus fulvus studied by radiotracer tracing: Prichuisk Muyunkum Peninsula

Disease transmission, Animal to animal
Taenia taeniaeformis, Hymenolepis diminuta, H. nana, normal parasites of rats, possibilities of transmission to humans and domestic animals: area of Lyon

Disease transmission, Animal to animal
Hematotropic parasites of Procyon lotor, carrier potential as related to translocation and release for hunting purposes, practice is considered biologically hazardous: southeastern United States

Disease transmission, Animal to animal
Sebestény, A., 1979, Lab. Animals, v. 13 (3), 189-191
Intestinal protozoa, successful transmission to and establishment in specific-pathogen-free mice exposed to intestinal contents of infected hamsters

Disease transmission, Animal to animal
Toxoplasma gondii, sibling kittens infected per os or parenterally with cysts or trophozoites, serological studies of kittens and mother cats, course of infection; immunity and transmission discussed

Disease transmission, Animal to animal
Rovicola tibialis, transmission from introduced Dama dama to Odocoileus hemionus columbianus apparently by direct contact at feeders, absence of males suggests that parthenogenetic reproduction occurs in R. tibialis: California

Disease transmission, Animal to animal
Syphacia obvelata in research and pet Meriones unguiculatus (colon, cecum), transmission from gerbil to gerbil, gerbil to mouse, and mouse to gerbil

Disease transmission, Animal to animal
Trichinella spiralis, successful experimental transmission between nonies and rats

Disease transmission, Animal to man
Toxoplasma gondii, members and visitors of small community, pigeons as source of infection: city of Sao Paulo, Brazil

Disease transmission, Animal to man
Toxoplasma gondii, essential role of cat in life cycle and in transmission to man

Disease transmission, Animal to man
Auger, P.; et al., 1979, Canad. Med. Ass. J., v. 120 (6), 700, 703
Dermatophytes gallinae, human, in-hospital outbreak of skin acarisis, pigeon nests on window ledges and air conditioners were infested, when pigeons were displaced human infections ceased: centre hospitalier de Lanaudiere, Joliette, PQ

Disease transmission, Animal to man
Zoonoses of cattle and carabaos, including parasitic zoonoses, review: Philippines

Disease transmission, Animal to man
Bvwater, J. E. C., 1979, Lab. Animals, v. 15 (2), 149-151
Encephalitozoonosis, discussion of reported human cases, doubt that is is zoonotic
Disease transmission, Animal to man


domestic and semi-feral pigeons, survey of anti-
Toxoplasma antibodies in serum, possible role in epidemiology of toxoplasmosis:
Belgium

Disease transmission, Animal to man


review of cutaneous zooparasitosis, diagnosis, recommendations for therapy
(sarna; pediculosis; Cimex lectularius; Pulex irritans; Oxiuriasis cutanea; miasis cutanea; Phthirus inguinalis)

Disease transmission, Animal to man


Dipylidium caninum, 14-month-old child, pet dog with fleas probable source of infection:
Huntsville, Alabama

Disease transmission, Animal to man


[Toxoplasma] gondii, immunoserological study of humans suspected of having infections resulting from their contacts with domestic animals

Disease transmission, Animal to man


importance of parasitosis of Canis familiaris in public health, infections common to both dog and man

Disease transmission, Animal to man

Dissanaike, A. S., 1979, Bull. World Health Organ., v. 57 (3), 349-357

zoonotic aspects of filarial infections in man, review

Disease transmission, Animal to man

Durfee, P. T.; and Cross, J. H., 1972, Taiwan J. Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 71 (8), 500-524

catalogue of zoonoses of Taiwan, ready reference for physicians, veterinarians, and public health workers

Disease transmission, Animal to man


canine scabies, family outbreak, infection acquired from pet dog, clinical aspects

Disease transmission, Animal to man


Dirofilaria immitis causing pulmonary infarction in man, diagnosis by radiology, clinical case report, patient had been caring for dog infected with heartworm: Florida

Disease transmission, Animal to man

Freudiger, U.; and Hoerning, B., 1975, Therap. Umschau, v. 32 (4), 269-276

zoonosis, epidemiology, short general review of most important diseases transmissible from animals to man and from man to animals

Disease transmission, Animal to man


zoonotic infections, occurrence and distribution in rodents: north Queensland

Disease transmission, Animal to man

Glazebrook, J. S.; Campbell, R. S. F.; and Hutchinson, G. W., 1977, Tropenmed. u. Parasitol., v. 28 (4), 545-551

survey of feral rodents in six tropical habitats for infections of potential zoonotic importance

Disease transmission, Animal to man


intestinal helminths, Papio ursinus, prevalence, potentially important source of infection for humans living in same general environment: Rhodesia

Disease transmission, Animal to man


Toxoplasma gondii, women, presence of antibodies correlated with various disorders, significant risk of infection through consumption of uncooked or underdone meat but not through contact with animals: area urbana di Catania e provincia

Disease transmission, Animal to man


Toxoplasma gondii, human, acquired chorioretinitis, pet cat possible source of infection, case report

Disease transmission, Animal to man


pruritic eruptions on torso and extremities of woman who had just acquired a puppy that was infected with Otodectes cynotis: San Francisco

Disease transmission, Animal to man

Hira, P. R., 1975, Ann. Soc. Belge Med. Trop., v. 55 (6), 633-642

Schistosoma mattheei, humans, 3 case reports, differentiation from S. intercalatum on basis of ova morphology, clinical presentation, and epidemiology; Bulinus africanus is probable vector: Zambia

Disease transmission, Animal to man


Trypanosoma brucei brucei, acquisition of potential infectivity for man (resistance to normal human serum when tested by blood incubation infectivity test) after maintenance in domestic hens, suggests birds as potential reservoirs of trypanosomes of brucei group
Disease transmission, Animal to man
pets as source of human infection, role of veterinarians in controlling zoonotic diseases by providing information and advice to pet owners

Disease transmission, Animal to man
Kieffer, M.; Kystensen, S., and Hallas, T. E., 1979, Ugeskr. Laeger, v. 141 (49), 3363-3367
ectoparasites of dogs and cats, cause of pruritic lesions in human owners, diagnosis, clinical findings, case reports, control measures: Denmark

Disease transmission, Animal to man
Konjevic, P., 1979, Acta Parasitol. Cz., v. 9 (2), 97-103
Toxoplasmosis, human, incidence, significance of age, eating of raw meat, contact with domestic animals, indirect fluorescent antibody test: Kutina, Croatia, Yugoslavia

Disease transmission, Animal to man
Kyllerman, M.; and Strannegard, O., 1979, Arch. Dis. Childhood, v. 54 (4), 326-327
Letters: toxoplasmosis, 5-year-old boy, hemiplegia, disease most likely acquired from cat which had high serum levels of toxoplasma antibodies, trimethoprim-sulphafurazole treatment

Disease transmission, Animal to man
Toxoplasma gondii, human, toxoplastic myocarditis, 18 cases in one community, epidemiology, pathology, clinical management: Hamilton, Ontario, Canada

Disease transmission, Animal to man
Linnik, V. Ia., 1977, [Parasites of fish, harmful to humans and animals], 94 pp., illus.
Helminths of fishes harmful to humans and other animals, descriptive manual, control measures

Disease transmission, Animal to man
Problems of zoonoses connected with urban and semiurban environments, review

Disease transmission, Animal to man
Importance of parasitosis of Sus scrofa in public health, parasites common to man and pigs

Disease transmission, Animal to man
Munz, E., 1977, Tierarztl. Prax., v. 5 (2), 159-166
Zoonoses of human and veterinary importance, includes mention of echinococcosis

Disease transmission, Animal to man
Toxoplasma gondii, non-immunized and immunized cats (primary oral infection followed by challenge), excretion of oocysts, and its role in epidemiology of toxoplasmosis; cats disseminate T. gondii mainly by remote and indirect transmission and overall pollution rather than by direct contact between cats and humans

Disease transmission, Animal to man
Cysticercus cellulosae, survey of slaughtered pigs, high incidence in some areas attributed to poor sanitation, living habits, and absence of control facilities, implications for continued spread to both man and animals: Zaire

Disease transmission, Animal to man
Lambia, infection rate in humans of different age groups in rural and urban areas, high infection rate in preschool rural children may be explained by contact with farm dogs which carry natural infections of L. canis and were proved experimentally susceptible to L. intestinalis: Ukraine

Disease transmission, Animal to man
Pasyk, K., 1978, Brit. J. Dermat., v. 98 (1), 107-112
Rhabditisstrongylaides causing pruritic dermatitis in 11-year-old girl, clinical case report, differential diagnosis, family dog as possible source of infection: Poland

Disease transmission, Animal to man
Piesman, J.; et al., 1979, J. Med. Entom., v. 15 (5-6), 537-540
Babesia microti not found in Odocoileus virginianus naturally or experimentally inoculated, nor in vector Ixodes dammini: Nantucket and Naushon Islands, Massachusetts

Disease transmission, Animal to man
Fish borne helminthic zoonoses, review: India

Disease transmission, Animal to man
von Reyn, C. F.; et al., 1978, J. Pediat., St. Louis, v. 93 (2), 247-249
Toxocara cati infection in infant girl, adult female worm removed from child's anus, adult worm also removed from litter box of family pet cats; need for diagnostic differentiation from Ascaris lumbricoides emphasized: Vermont

Disease transmission, Animal to man
Leishmania, Echinococcus granulosus, E. multilocularis, role of wildlife in transmission of zoonoses
Disease transmission, Animal to man
Taenia taeniaeformis, Hymenolepis diminuta, H. nana, normal parasites of rats, possibilities of transmission to humans and domestic animals: area of Lyon

Disease transmission, Animal to man
zoonoses and their association with the adaptation of animals to urbanized areas, review

Disease transmission, Animal to man
Toxoplasma gondii, goats, prevalence as surveyed serologically, mode of transmission to man, economic and public health aspects: California

Disease transmission, Animal to man
ocular toxocariasis, 17 children, clinical, serologic, and epidemiologic characteristics

Disease transmission, Animal to man
Toxoplasma gondii, stray dogs, survey of saliva and blood samples, clinical examination, saliva from dogs negative, not a major factor in transmission from dog to man: Sao Paulo, Brazil

Disease transmission, Animal to man
Ulmannen, I.; and Leinikki, P., 1975, Scand. J. Infect. Dis., v. 7 (1), 67-71
Toxoplasma gondii, occurrence of antibodies compared in owners of cats and in controls using the complement fixation and indirect immunofluorescence antibody tests, study confirms that keeping a pet cat does not increase risk of infection but in certain circumstances may pose a risk for human infection

Disease transmission, Animal to man
Toxoplasma gondii, frequency of positive toxoplasmin cutaneous test studied in young males, neither keeping of domestic animals or bite by animal altered frequency of positive tests: Norway

Disease transmission, Animal to man
Toxocara canis antibody survey, enzyme-linked immunosorbent assay values indicate higher degree of infection in dog show breeders and exhibitors than healthy adult controls: Britain

Disease transmission, Animal to man
parasitic zoonoses

Disease transmission, Autoinfection
Phthirius pubis, human infection of right eyelashes, apparently transmitted to lashes after scratching pubic area, case report, cure with mercuric oxide

Disease transmission, Autoinfection
Bhaihulaya, M.; and Indra-Ngarm, S., 1979, Internat. J. Parasitol., v. 9 (4), 321-322
Capillaria philippinensis, Amaurornis phoenicurus and Ardeola bacchus as experimental definitive hosts, prepatent periods, occurrence of autoinfection, development of protective immunity

Disease transmission, Autoinfection
Cross, J. H.; Banzon, T.; and Singson, C., 1978, J. Parasitol., v. 64 (2), 208-213
Capillaria philippinensis, development in Meriones unguiculatus given larvae from experimentally infected Hypselodips bipartita or fed naturally infected H. bipartita, auto-infection is integral part of life cycle, parasite can also be maintained in laboratory by serial passage from gerbil to gerbil, erratic and short-lasting infections developed in Rattus norvegicus and R. rattus exposed to infection with larvae from experimentally infected fish: Philippines

Disease transmission, Autoinfection
Strongyloides larvae in Hylabates lar, necropsy study, clinical signs, pathology, thiabendazole, high morbidity and mortality probably resulting from autoinfection and the hyperinfective syndrome

Disease transmission, Blood
Plasmodium malariae, hospitalized children, infected by blood transfusions, clinical aspects of 12 cases, diagnosis, therapy: Mexico, D.F., Mexico

Disease transmission, Blood
Amato Neto, V.; et al., 1975, Rev. Goiana Med., v. 21 (1-2), 1-9
Trypanosoma cruzi, recipients of multiple blood transfusions, analysis by complement fixation test of the risk of acquiring Chagas disease through transfusion

Disease transmission, Blood
Trypanosoma cruzi, parasite survival in frozen infected human plasma, implications for human plasma transfusions

Disease transmission, Blood
human malaria, detection of latent Plasmodium carriers, immunofluorescence test, prophylactic survey of potential blood donors
Disease transmission, Blood
malaria in young woman given blood transfusions, donor of blood found to have high malarial antibody titers, successful treatment with nivaquine, case report: France

Disease transmission, Blood
Toxoplasma gondii, statistics of blood donor survey for prevalence of anti-toxoplasma antibodies: blood banks in Natal, Rio Grande do Norte, Brazil

Disease transmission, Blood
T[trypanosoma] cruzi, fatal infection in splenectomized woman with hemolytic anemia and under prolonged corticoid therapy, had received blood transfusion from Chagasic donor, clinical aspects, pathology: Sao Paulo State, Brazil

Disease transmission, Blood
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Disease transmission, Blood
Trypanosoma cruzi, laboratory diagnosis of unsuspected acute post-transfusion Chagas' disease, 2 case reports: Sao Paulo

Disease transmission, Blood
T[trypanosoma] cruzi, survey of blood donors for evidence of chagasic infection using the Guerreiro and Machado test (recommended as preferred diagnostic method); recommendation that gentian violet be added to all transfusion blood used in endemic areas as an additional precautionary measure

Disease transmission, Blood
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Disease transmission, Blood
Chagas disease, statistics of survey of potential blood donors found to have positive sera, recommendations for possible control measures: Cordoba, Argentina

Disease transmission, Blood
human malaria, screening blood donors for possible latent Plasmodium carriers, immunofluorescence test, suggested prophylactic measures

Disease transmission, Blood
Plasmodium falciparum, human, transmission by platelet concentrate transfusion, case report

Disease transmission, Blood
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Disease transmission, Blood
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Plasmodium malariaceae, infections in humans who had received transfusions of blood from infected donor: Sardinia

Disease transmission, Blood
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Disease transmission, Blood
Plasmodium malariaceae, 15-year-old girl, after blood transfusion, blood donor was asymptomatic carrier (from Nigeria) who satisfied currently recommended standards for blood donations: Tennessee

Disease transmission, Blood
Plasmodium malariaceae, P. vivax, survey of blood transfusion-induced infections, diagnostic problems, chloroquine therapy, problems in blood donor control: Mexico

Disease transmission, Blood
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Toxoplasma gondii, exper. transmission to rabbits using human blood injected directly into veins or by blood transfusions, implications for infection transmission through banked human blood

Disease transmission, Blood
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Disease transmission, Control
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Echinococcus granulosus, survival time of protoscolices of ovine origin stored at constant temperatures of -20 to 50 C, ability to survive extended periods of time after an infected sheep has died or been killed suggests that stringent preventive and control measures should be established in areas where hydatid disease is endemic

Disease transmission, Control
Strongyloides stercoralis, mass treatment of a community with thiabendazole reduced prevalence, 2-year follow-up showed that rate remained low: Costa Rica

Disease transmission, Control
differences in fish parasite fauna between lakes, consequences of interlake transfer by proposed water diversion: Aishihik and Stevens lakes, Yukon Territory

Disease transmission, Control
schistosomiasis, use of MacDonald's model to establish a policy for controlling human infection, based on human immunity and proportion of infected vector snails in a given area

Disease transmission, Control
applications of satellite remote sensing technology in programs of insect eradication and disease vector control, use in Mexico to support Cochliomyia hominovorax eradication program

Disease transmission, Control
malaria, humans, interview survey, factors influencing utilization of a prophylaxis program: Ghana

Disease transmission, Control
helminthozaonoses, measures for prevention and control, review

Disease transmission, Control
human soil-transmitted helminths, clinical trials with pyrantel pamoate given prophylactically to villagers in agricultural areas in an attempt to control spread of infections, mixed results in infection rate findings post treatment: village near Bangkok, Thailand
Disease transmission, Control
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soil transmitted helminths, possible control using standard public health measures combined with mass therapy, review of current investigations in several endemic areas

Disease transmission, Control
helminths in sewage, decontamination by electrocoagulation and electroflotation after preliminary treatment with calcium hydroxide: livestock farms, Bulgaria

Disease transmission, Control
present trends in development of methodologies for parasite control with regard to environmental protection

Disease transmission, Control
parasite control with minimum impact upon ecosystems, present position and trends

Disease transmission, Control
malaria, humans, analysis of chemoprophylactic habits and reasons for breakdowns in therapy, small mining town: Yekepa, Liberia

Disease transmission, Control
Plasmodium falciparum, chloroquine use by non-immunes when in endemic areas, analysis of drug concentrations in human serum during short and long term malaria prophylaxis, recommendations for standard vs. double dosage, clinical implications

Disease transmission, Control
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Disease transmission, Control
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Disease transmission, Control
current problems in control of mosquitoes, review

Disease transmission, Control
Boophilus microplus, dairy cattle, various control measures discussed but spraying acaricides on pastures shows particular promise: Air Hitam, Johor, Malaysia

Disease transmission, Control
Trypanosoma cruzi, survey of blood donors for evidence of chagasic infection using the Guerreiro and Machado test (recommended as preferred diagnostic method); recommendation that gentian violet be added to all transfusion blood used in endemic areas as an additional precautionary measure

Disease transmission, Control
Plasmodium vivax, human, 2 regimens of primaquine (5-day; single dose) in combination with amodiaquine compared with amodiaquine alone, field evaluation: Zapotitan Valley, El Salvador

Disease transmission, Control
Trichinella spiralis, prevalence in replacement bulls 4 years after introduction to infected herd, observations suggest routine culling of bulls at 4 years of age to minimize transmission: north-western Queensland

Disease transmission, Control
hydatidosis in man and domestic animals, public health importance, economic losses, suggested eradication schemes: Wales

Disease transmission, Control
Cochliomyia hominivorax, development and field evaluation of bait system (SWASS) containing dichlorvos and bait for suppression of adult screwworms

Disease transmission, Control
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Disease transmission, Control
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Cochliomyia hominivorax, fluorescence sodium as dye for internally marking adults feeding on Screwworm Adult Suppression System units, excellent technique for evaluating relative effectiveness of various insecticides

Disease transmission, Control
Cochliomyia hominivorax, swormlure-2 baited traps for detection of native fly populations, trial survey, use in developing fly-release strategies: 12 south Texas counties
Disease transmission, Control
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Plasmodium falciparum, P. malariae, changing patterns in humoral immune response before, during, and after application of control measures: Nigeria

Disease transmission, Control
fascioliasis, cattle, bileuron-R treatment combined with prophylactic decontamination of pastures with frescon evaluated during 3-year control scheme

Disease transmission, Control
Fasciola, Schistosoma, mammals, life cycles, relation between parasite numbers and effects of disease, use of incidence and prevalence data to estimate efficiency of control programmes, host and parasite population dynamics, mathematical models, integration of control methods

Disease transmission, Control
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Onchocerca volvulus, transmission reduction by attacking larval stage of vector (Simulium damnosum) with temephos sprayed into rivers from aircraft, good control in center of test area but dangerous transmission continues on perimeters: Volta River Basin, West Africa

Disease transmission, Control
malaria, control, measures applicable to different epidemiologic situations: the Americas

Disease transmission, Control
isolation of 164 strains of free-living amoebae from public water supplies and swimming pools, some strains of Acanthamoeba polyphaga, A. castellanii, A. lenticulata, and A. comandoni were pathogenic for mice, none of the Naegleria isolated were pathogenic for mice, levels of bromine and chlorine used were insufficient to eliminate these amoebae, potential danger to users and suggested control measures: Strasbourg

Disease transmission, Control
trypanosomiasis, bovine, extensive description of control program, results, and prospects: region of Muda (Sofala district)

Disease transmission, Control
malaria, children, prevalence, comparison with findings prior to start of control program: Xingu Indian Reservation, Mato Grosso State, Brazil
Disease transmission, Control
Hydatidosis and cysticercosis, potential for treatment, review

Disease transmission, Control
Hydatidosis, cysticercosis, control, extensive review

Disease transmission, Control
Hydatidosis control, a global view: epidemiological considerations; setting up control programs; control methods and progress

Disease transmission, Control
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Taeniarynchus saginatus, humans, incidence in relation to host age, sex, occupation, and geographic locality, prophylaxis: 5 districts of Bulgaria

Disease transmission, Control
Filaroides hirthi, beagle dogs, coprophagia is principal mechanism of transmission from dams to pups and among pups, control by al-hendazole treatment of brood bitches coupled with isolation of weanlings and older pups from sources of contaminated feces

Disease transmission, Control
Anisakis simplex larvae, survival in salted-spiced herring and mackerel, depended upon concentration of salt used as well as period of storage in brine, recommendations to processing industry on proper processing

Disease transmission, Control
Arthropod parasites of livestock, eradication programs, review

Disease transmission, Control
Malaria, British travellers to endemic areas, suggested control measures

Disease transmission, Control
Ticks, resistance survey of field strains to commonly used insecticides, changeover from arsenic to dioxathion dipping of cattle, dramatic improvement in tick control, necessitates complete overhaul of dipping facilities and retraining of personnel: Tribal Trust Lands of Rhodesia

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Disease transmission, Control
Malaria, humans, pocket of controlled infection in a holoendemic region, evaluation of local malaria programme by malariometric study: Yekepa, Liberia

Disease transmission, Control
Hypoderma bovis, cattle, results of state-directed control program for eradication in the German Democratic Republic

Disease transmission, Control
Taenia saginata, freezing times and temperatures required to kill cysticerci in beef

Disease transmission, Control
Schistosomiasis, humans, evaluation of current control measures, recommendations for future strategies, report of workshop held in Bellagio, Italy

Disease transmission, Control
Fasciola hepatica, calves, Galbra truncatula, epizootiology (ameliorated and unameliorated pastures, population density of F. truncatula, soil structure, vegetation, hydrological and climatic factors); importance of melioration for complex fascioliasis control program: Potsdam, East Germany

Disease transmission, Control
Bovicola limbatus, 3rd instars, relationship between inhibition of ecdisis and time and quantity of ingestion of diflubenzuron (inhibitor of cuticle deposition), inhibition of ecdisis increased progressively as age of nymphs increased, timing of treatment important for control

Disease transmission, Control
Bovine babesiosis, epizootiology, history and current status of Boophilus spp. eradication in Texas

Disease transmission, Control
Anopheles minimus (malaria vector), resistance to DDT residual spraying in cleared forested foothill area, appeared to reduce estimated vectorial capacities but effect was not maintained and malaria transmission was not interrupted: central Thailand

Disease transmission, Control
Schistosomiasis control, 6 pilot projects, review with emphasis on cost of mollusciciding programs
Disease transmission, Control
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Disease transmission, Control
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Schistosoma mansoni, evaluation of experimental mollusciciding program to control transmission: St. Lucia

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Schistosoma mansoni, humans, results of control program that provided piped water supply to households vs. use of public standpipe system, 2-year follow-up: St Lucia

Disease transmission, Control
Schistosoma mansoni, recommendations for construction of simple water supplies to reduce transmission of parasitic infections

Disease transmission, Control
Giardia lambia, epidemiology of outbreak in day-care nurseries, transmission apparently person-to-person, more Canadian children were symptomatic and infected than were immigrant children attending the nurseries, infections cleared with metronidazole or atabrine, control measures suggested including treatment of all infected children regardless of whether they were symptomatic: Toronto, Canada

Disease transmission, Control
Onchocerca sp., cattle, seasonal distribution, fly vectors, control with chlorophos: Nakhichevansk ASSR

Disease transmission, Control
Trypanosoma vivax, Nigerian trade cattle, use of lorries for cattle transport from northern grazing areas to south-western markets, important factor in reduced infection rate: Nigeria

Disease transmission, Control
[Onchocerca sp.], cattle, seasonal distribution, fly vectors, control with chlorophos: Nakhichevansk ASSR

Disease transmission, Control
S. stentor, faecal cysts, resistance to physical and chemical factors tested, data may be useful for control of infection in rodents and for cryopreservation of parasite

Disease transmission, Control
Schistosoma mansoni, evaluation of 4 species of aquatic snails as decoys to intercept miracidia, laboratory and field trials: Puerto Rico

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Echinococcus granulosus, decreasing incidence in Canis familiaris from 1959 to present time, apparent result of anti echinococcosis campaign carried out by the Regional Government of Sardinia

Disease transmission, Control
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Disease transmission, Control
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Toxoplasma gondii, pregnant women, measures instituted in hospital maternity ward to prevent and control prenatal infections: Lariboisiere Hospital Maternity Unit

Disease transmission, Control
malaria, suggested approach to control, methodology applicable in different epidemiologic situations: the Americas

Disease transmission, Control
schistosomiasis, update on control program initiated in 1953 in Puerto Rico

Disease transmission, Control
ticks, mainly of humans and domestic animals, population dynamics in absence of cattle dipping operations, incidence of tick-borne disease, regional distribution related to climate, land utilization, and dipping: Kandeya Tribal Trust Land, northeast Rhodesia

Disease transmission, Control
ticks, cattle, significant increase in tick infestations and outbreaks of tick-borne diseases following collapse of dipping (1973-1978): African areas in Rhodesia

Disease transmission, Control
Plasmodium spp., human, prevalence by parasite species and by host age group, dramatic response to mass chemoprophylaxis with chloroquine: Gezira and Bor regions, Sudan

Disease transmission, Control
Eimeria stiedae, E. intestinalis, standard rabbit diet heavily contaminated with oocysts, sterilization by autoclaving and irradiation was satisfactory for elimination of oocysts from diet but pelleting even at 68° was unsatisfactory

Disease transmission, Control
Brugia timori, mass therapy with diethylcarbamazine followed 1 year later by short term selective retreatment, simple control method: Flores, Indonesia

Disease transmission, Control
bilharziasis, humans, gradual reduction in infection rates after environmental control measures and mass therapy introduced in the Eastern Transvaal

Disease transmission, Control
ascariasis, human, results of mass control program 1963-1974: Briansk oblast

Disease transmission, Control
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Schistosoma haematobium-infected boys treated 12 months earlier with metrifonate, follow-up intravenous urograms support significance of annual chemotherapy programmes in reducing morbidity in boys and in reducing environmental contamination: Malumfashi area, northern Nigeria

Disease transmission, Control
malaria, humans, surveillance activities of Basic Health Workers as part of control measures in rural villages of Haryana State, India

Disease transmission, Control
Eutrombicula alfreddugesi, immediate reduction of chigger populations by forest litter burning, increased numbers of host animals attracted to burned areas greatly reduced impact of initial control

Disease transmission, Control
Cysticercus celluloseae-infected swine carcasses, sodium chloride treatment, length of storage necessary to render meat safe for consumption, comparison with refrigeration

Disease transmission, Control
Nosema apis, bees, prophylactic control by sanitation and other management tactics, drugs used only on supplementary basis

Disease transmission, Control
hunting as factor in control of wildlife parasites, e. g.: elimination of diseased animals as form of natural selection; brief review

Disease transmission, Control
helminth fauna composition in wild ungulates in agricultural and forestry conditions, possible source of livestock infection, review, suggested measures for control: European part of SSSR

Disease transmission, Control
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Disease transmission, Control
Schistosoma mansoni, S. haematobium, human, control and eradication, historical review: Israel
Disease transmission, Control
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Schistosoma spp., human, control measures, critical assessment of present policy and suggestions for new emphasis on environmental sanitation, safe water supplies and health education

Disease transmission, Control
Schistosoma japonicum, anti-schistosomiasis campaign traced from 1949 Revolution up to Cultural Revolution in China

Disease transmission, Control
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Guinea worm, humans, trials using abate to control cyclops vector, encouraging results, definite fall in infection incidence during year following application to drinking water: Andhra Pradesh, India

Disease transmission, Control
Hydatid disease, epidemiological aspects of planning and evaluation of control programs, review

Disease transmission, Control
Anopheles albimanus, computer simulation of effectiveness of releasing male-linked translocation heterozygotes as control measure, malaria subroutine included in model

Disease transmission, Control
Bilharzia control, for rapid reduction of prevalence of parasites, molluscicides are best combined with improved hygiene and sanitation, and suppressive chemotherapy: Africa

Disease transmission, Control
Schistosoma haematobium, seasonal patterns in transmission, epidemiology in school children, control by winter application of molluscicides: Rhodesia

Disease transmission, Control
Anaplasma marginale outbreak in non-preimmune Jersey cattle imported from United States and Denmark to farm in Bihar, clinical symptoms and pathological findings, epizoological factors responsible for outbreak (high ambient temperature, stress of vaccination for rinderpest virus, presence of tick vectors), control achieved through chemotherapy of sick and healthy animals, removal of vectors, and housing in cool sheds; outbreaks in exotic herds could be avoided if cattle were imported in early winter: India

Disease transmission, Control
Taenia saginata, cattle, outbreak of cysticercosis attributed to one feedlot, infected feedlot worker was probable source of infection, recommendations for preventing similar epizootics: southern California

Disease transmission, Control
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Boophilus microplus, cattle, analysis of 3 control methods used separately and in combination (acaricides, pasture spelling, tick-resistant cattle), computer model of tick population: Australia

Disease transmission, Control
Entamoeba histolytica, Giardia lamblia, control attempts in a residential facility for mentally retarded persons: Washington, D. C.

Disease transmission, Control
Boophilus microplus, 6 grass species analysed for anti-tick deterrent properties

Disease transmission, Control
Onchocerca volvulus, humans from 4 villages in endemic areas, correlations between quantity of transmission and intensity of infection, applications for vector control programs: Sudan-savanna areas in Upper-Volta and Ivory Coast

Disease transmission, Control
Fasciola gigantica, F. hepatica, life cycle review, control programs: Philippines

Disease transmission, Control
Prostogonimus sp. cercariae, cercaricidal effect of certain common fertilizers, ammonium sulphate may be cercaricide of choice

Disease transmission, Control
Standardization of criteria for assessing effect of Simulium control in onchocerciasis control programs

Disease transmission, Control
Schistosomiasis, humans, new approach in control measures, targeted mass treatment directed toward relatively small numbers of heavily infected individuals, successful field project carried out in village of Lower Nduu, Kenya
Disease transmission, Control

diarrheic feaces caused by helmint infection predispose sheep to breech strike, anthelmintic treatment and other management factors reduced incidence of breech strike: New South Wales

Disease transmission, Control

trichostrongylids, construction of a permanent campground for sheep in attempt to control parasites based on knowledge of sheep behavior

Disease transmission, Control
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Dermacentor andersoni, herbicidal killing of shrubs caused no significant reduction in tick numbers: 4 sites near Kamloops, British Columbia

Disease transmission, Control
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Lucilia sericata, sheep, aluminium alkoxide gels mixed with insecticide and applied to breech area, results suggest that this new control method against cutaneous myiasis gives higher protection than current means of control with no abnormal problems of toxicity, tissue residues, or wool processing

Disease transmission, Control

Schistosoma japonicum, eradication of Oncomelania snail vectors, intense ecological management practices, weed control, surveillance: China

Disease transmission, Feces. [See also Disease transmission, Soil; Disease transmission, Water; Manure; Night soil]

Disease transmission, Feces
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Angiostrongylus costaricensis, survival time of first stage larvae in rat feces

Disease transmission, Feces

Entamoeba histolytica, 21-day-old African female infant, case report, amoebic proctocolitis and liver abscess, probable source of infection was fecal contamination at birth, successfully treated with metronidazole

Disease transmission, Feces
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Giardia lamblia and other intestinal parasites of children in day-nurseries and kindergartens, incidence, clinical symptoms, management: Denmark

Disease transmission, Feces

Eimeria hovis oocysts in manure-blended diet, adequate ensiling prevents sporulation

Disease transmission, Feces

Filaroides hirthi, beagle dogs, coprophagia is principal mechanism of transmission from dams to pups and among pups, control by albendazole treatment of brood bitches coupled with isolation of weanlings and older pups from sources of contaminated feces

Disease transmission, Feces

enteroparasitic cysts and eggs contamination of green vegetables and kitchen garden soils, epidemiological survey, most commonly found during dry-season when fecal polluted brooks were used for irrigation: Ribeirao Preto, Sao Paulo, Brasil

Disease transmission, Feces

nematode eggs, effects of composting on viability of eggs recovered from compost material and soil beneath after 12-month period, recommended that kennel waste be subjected to slow combustion burning before disposal

Disease transmission, Feces

helminths and salmonellae in dog droppings from public parks and playgrounds, seasonal survey: Federal Republic of Germany

Disease transmission, Feces
Smith, D. D.; and Frenkel, J. K., 1978, J. Parasitol., v. 64 (2), 315-319

Sarcocystis muris, Toxoplasma gondii, Isospora spp., experimental transmission to mice by ingestion of Blatella germanica and Periplaneta americana exposed to cat feces containing these coccidia or by direct ingestion of the feces, results indicate possible role of cockroaches as transport hosts and sources of cross-infection in laboratories, need for stringent control

Disease transmission, Feces

Strongyloides stercoralis, life cycle, larval survival and development under different conditions of temperature, humidity, and pH in soil, water, feces, hogwash, and cow dung, potential for transmission under climatic conditions of Poland

Disease transmission, Feces
Taylor, R. L.; and Lott, M., 1978, J. Protozool., v. 25 (1), 105-106

Myxosoma cerebralis, transmission of whirling disease to Salmo gairdneri by feces of birds (Anas platyrhynchos, Nyctipetes nycticorax) fed infected trout, first report that spores are still viable after passage through birds, necessity of maturation of spores in mud

Disease transmission, Feces

Cysticercus bovis, cattle, infection acquired on land contaminated by human feces, suggested control measures: Mtoko district, Rhodesia
Disease transmission, Food

taeniasis, cysticercosis, humans, endemicity, failure to demonstrate Taenia saginata in indigenous animals or to produce infection in experimental hosts suggests that human parasite is possibly a T. saginata-like species; T. solium apparently obtained through human consumption of raw pork, survey of incidence in food animals: Philippines

Disease transmission, Food
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Armillifer armillatus, calcified nymphs in 65-year-old man, survey of his household group, history of eating snakes: Ayogwiri Village (near Auchi), Bendel State, Nigeria

Disease transmission, Food

Diphyllobothrium pacificum from man and sea lions, review, probable mode of human infestation is through national dish known as 'c eclipse': Peru

Disease transmission, Food

Trypanosoma cruzi, infection of vertebrate hosts by feeding them infected triatomines or infected rats and mice demonstrates importance of oral route of transmission

Disease transmission, Food

Capillaria philippinensis, freshwater fish of Thailand as experimental intermediate hosts

Disease transmission, Food

Armillifer armillatus, abdominal pentastomiasis in man (in tumor of omentum, on peritoneum of intestines and abdominal wall) with associated cancer of colon, case report, infection possibly originated from drinking water contaminated by snakes or from eating snake or crocodile meat: Zaire

Disease transmission, Food

Trichinella spiralis, children, report of epidemic possibly resulting from consumption of horse meat, diagnosis confirmed by immunofluorescence, clinical management: south of Paris

Disease transmission, Food

Giardia muris, infection of fasting mice by feeding with pellets contaminated with controlled number of trophozoites

Disease transmission, Food

Echinococcus granulosus, incidence in slaughtered cattle (liver, lungs), 1971-1976; lungs and livers of slaughtered cattle used as pet food may be potential health hazard, special attention to apical and cardiac lobes of lungs needed during routine meat inspection: Rhodesia

Disease transmission, Food

cysticercosis, wildebeeste, incidence and intensity, implications for human consumption of meat, problem appears to be of aesthetic rather than public health importance since cysts are not cysticercus bovis, recommendations for meat inspection regulations: Kenya

Disease transmission, Food

Sparganum mansoni, 2 soldiers (scrotal sac, lower back), had eaten raw snakes and frogs during survival training: Korea

Disease transmission, Food

Hymenolepis diminuta in Palembus dermestoides (exper.); beetle-eating as a Malaysia folk medical practice and its public health implications: Kuala Lumpur

Disease transmission, Food

Taenia saginata, possible role of traditional preparation of Suya (native beef dish) in the epidemiology of human taeniasis in the Zaria area, Nigeria

Disease transmission, Food

Fasciola hepatica-infected humans, 3 case reports, ingesting wild watercress probable source of infection: Belgium

Disease transmission, Food
Farquhar, A. S.; Anthony, W. R.; and Ernst, J. V., 1979, J. Animal Sc., v. 49 (5), 1351-1356

Eimeria bovis oocysts in manure-blended diet, adequate ensiling prevents sporulation

Disease transmission, Food
Glazkov, G. A.; Klimshin, A. A.; and Krivenko, V. V., 1979, Gig. i Sanitariia (8), 53-55

opisthorchiasis, method for inspecting fish for metacercariae and determining their viability

SUBJECT HEADINGS
Disease transmission, Food
[Sarcocystis] fusiformis, viability in meat and meat products in relation to temperature and salting

Disease transmission, Food
Anisakis simplex larvae, survival in salted-spiced herring and mackerel, dependent upon concentration of salt used as well as period of storage in brine, recommendations to processing industry on proper processing

Disease transmission, Food
zooneses transmitted via foodstuff, control measures, review

Disease transmission, Food
Toxoplasma gondii, women, presence of antibodies correlated with various disorders, significant risk of infection through consumption of undercooked or underdone meat but not through contact with animals: area urbana di Catania e provincia

Disease transmission, Food
Hadidjaja, P.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 51-57
larval Anisakidae in marine fish, potential source of human infection: Indonesia

Disease transmission, Food
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parasitic diseases transmitted by food or by fecally contaminated food or water, review

Disease transmission, Food
Toxoplasma gondii, epidemiology and food-hygienic significance, prevalence of antibodies and cysts in swine: south-east Norway

Disease transmission, Food
Herskovic, P.; et al., 1977, Rev. Med. Chile, v. 105 (7), 436-458
Toxoplasma gondii, comparative survey of 2 isolated communities (mainland community and island community) with emphasis on dietary habits and sources, island inhabitants' (72% infected) food source was mostly fish and other sea food suggesting that island infections may come from sea food, food source of mainland inhabitants (40% infected) was mostly lamb and beef, both communities had cats present: Chile

Disease transmission, Food
human parasitic and bacterial infections, results of faecal examinations of food handlers, importance of periodic screening: Kenya

Disease transmission, Food
parasites of Thysites atum imported to Japan for food: shore of Island of Banks, New Zealand

Disease transmission, Food
toxoplasmosis, human, incidence, significance of age, eating of raw meat, contact with domestic animals, indirect fluorescent antibody test: Kutina, Croatia, Yugoslavia

Disease transmission, Food
parasites and other diseases of fishes consumed by humans, clinical review

Disease transmission, Food
Kuz'menko, V. D.; Pankov, V. V., and Red'kin, A. A., 1979, Gip. j. Sanitariia (6), 77
ascariasis, trichuriasis, role of fruit and vegetable shops in spread, preventive sanitation measures

Disease transmission, Food
Paragonimus mexicanus, Pseudophelphusa dilatata established as intermediate host, possible public health implications, crab consumed raw by local inhabitants and their pigs

Disease transmission, Food
Leak, D.; and Meghji, M., 1979, Am. J. Cardiol., v. 43 (4), 841-849
Toxoplasma gondii, human, toxoplasmic myocarditis, 18 cases in one community, epidemiology, pathology, clinical management: Hamilton, Ontario, Canada

Disease transmission, Food
dogs fed fresh beef and beef products purchased from retail food store in Maryvand suburbs of Washington, D. C., presence of Sarcocystis cruzi sporocysts in dogs fed fresh beef and rare roast beef; no sporocysts found in feces of human volunteer, although results suggest that S. hominis, when present, could probably also survive in retail beef
Disease transmission, Food
Lim, B. L.; et al., 1978, Trop. and Geogr. Med., v. 30 (2), 241-246
Angiostongylus malaysiensis, survey of Pila scutata and Bellamyia ingallisiana as food consumed by local population, eating habits are such that infection seems unlikely: Peninsular Malaysia

Disease transmission, Food
Giardia lambia, outbreak in large group of American tourists who travelled to island of Madeira in Oct. 1976, drinking water and food implicated as probable sources of infection: Portugal

Disease transmission, Food
Margolis, H. S.; Middaugh, J. P.; and Burgess, R. D., 1979, J. Infect. Dis., v. 139 (1), 102-105
Trichinella spiralis in Eskimos after consumption of infected walrus meat: outbreaks, clinical and serological characteristics, public health aspects: Barrow, Alaska

Disease transmission, Food
human intestinal parasites, eggs and cysts from water used to irrigate vegetable gardens, increased risk of crop contamination in dry season: Ribeirao Preto, Sao Paulo, Brazil

Disease transmission, Food
Enteroparasitic cysts and eggs, contamination of green vegetables and kitchen garden soils, epidemiological survey, most commonly found during dry-season when fecal polluted brooks were used for irrigation: Ribeirao Preto, Sao Paulo, Brazil

Disease transmission, Food
Masur, H.; et al., 1978, Am. J. Med., v. 64 (3), 396-402
Toxoplasma gondii, outbreak of toxoplasmosis in 6 of 7 members of one household with index case manifesting retinochoroiditis, undercooked lamb implicated as probable source of infections, case reports with clinical features, diagnostic serology: New York City

Disease transmission, Food
Merdivenci, A.; et al., 1977, Vet. Fak. Dergisi, Istanbul Univ., v. 3 (1-2), 46-71
Trichinella spiralis, infection acquired by 13 persons eating pork from wild pig, possibility of natural foci of sylvatic infection in areas of domestic pig raising: Kastamonu region, Turkey

Disease transmission, Food
Miyazaki, I.; Terasaki, K.; and Iwata, K., 1978, J. Parasitol., v. 64 (3), 539-560
Paragonimus westermani, natural infection of muscles of Sus scrofa leucomystax, may be important source of human infection: Miyazaki Pref., Kyushu Island

Disease transmission, Food
Morisita, T.; et al., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (6), 353-356
Mesocostoides lineatus, human, 60-year-old man, case report, source of infection probably from eating raw blood and liver of snake: Nagoya City, Japan

Disease transmission, Food
Nitidandhaprabhas, P.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 206-207
Gnathostoma spinigerum, large subcutaneous nodule present for 2 months was removed from occiput of 26-year-old man and found to contain adult male worm, patient had history of eating raw fermented pork: Thailand

Disease transmission, Food
Taenia solium, humans, increased incidence, partly due to consumption of "Nam" prepared from heavily infected pork: Siriraj Hospital

Disease transmission, Food
Cysticercus cellulosae-infected swine carcasses, sodium chloride treatment, length of storage necessary to render meat safe for consumption, comparison with refrigeration

Disease transmission, Food
Diphyllobothrium latum, woman, case report, niclosamide, ingested broiled eels possible source: Italy

Disease transmission, Food
Ruitenberg, E. J.; van Knapen, F.; and Weiss, J. W., 1979, Vet. Quart., v. 1 (1), 5-13
food-borne parasitic infections, detection with enzyme-linked immunosorbent assay, control, review

Disease transmission, Food
Ruitenberg, E. J.; van Knapen, F.; and Weiss, J. W., 1979, Vet. Parasitol., v. 5 (1), 1-10
food-borne parasitic infections, review including infections found in slaughtered animals and in seafood, possible control strategies

Disease transmission, Food
Rutgeerts, L.; et al., 1975, Tijdschr. Gastroenterol., v. 18 (2), 113-118
Eustoma rotundatum causing eosinophilic enteritis in man, differential diagnosis to be considered in obstructive syndromes occurring in consumers of raw herring

Disease transmission, Food
Nanophyetus salmincola in dogs (feces), probably caused by eating raw fish
Disease transmission, Food
prevalence survey of taeniasis in humans and cysticercosis in pigs, socio-ecological data indicated infections in humans to be more common in those who ate raw meat dishes rather than those who were mostly fish eaters, poor sanitary conditions and easy access of pigs to human feces perpetuated infections in both pigs and humans: Bali Island, Indonesia

Disease transmission, Food
Pascola hoplat metacercariae, longevity and infectivity in hay, effect of different methods of hay drying used in Poland, concluded that hay may contain infective metacercariae in spite of adequate drying methods, only proper ensilage of green roughage makes it safe from infective forms of liver fluke

Disease transmission, Food
Capillaria philippinensis, humans (stools), 32 cases, history of eating raw fish, thiamazole, mebendazole, life cycle discussed: San Antonio and San Narciso, Zamboanga Province, Western Luzon, Philippines

Disease transmission, Food
Toxoplasma gondii, prevalence of serum antibodies in farm animals, companion animals, and wild rodents and birds, significance to epizootiology of toxoplasmosis, high infection rate of meat, necessity of cooking meat properly and other sanitation measures: southern Ontario

Disease transmission, Helminths. See Vectors, Helminths.
Disease transmission, Hirudinea. See Vectors, Hirudinea.

Disease transmission, Imported and exported hosts. [See also Disease transmission, Travel and migration]
Disease transmission, Imported and exported hosts
differences in fish parasite fauna between lakes, consequences of interlake transfer by proposed water diversion: Aishihik and Stevens lakes, Yukon Territory

Disease transmission, Imported and exported hosts
van Banning, P., 1977, J. Invert. Path., v. 30 (2), 199-206
Minchiria armoricana nov. sp., pathogenic activity in Ostrea edulis imported from France for culture in Netherlands, possible menace to Dutch oyster industry

Disease transmission, Imported and exported hosts
Borgsteede, F. H. M.; and Koenig, C. D. W., 1979, Tijdschr. Diergeneesk., v. 104 (21), 825-828
Nematodirus battus definitely established in Dutch sheep after detection in sheep imported from Britain; clinical symptoms difficult to differentiate from coccidiosis: Netherlands

Disease transmission, Imported and exported hosts
Babesia bigemina- and B. bovis-immunized P. taurus calves transported to lowland tronics, exposed to heavy vs. light Roophilus microplus infection, resulting B. bigemina and B. bovis parasitemias, mortality, weight loss, and anemia: Caribbean Coast, Colombia

Disease transmission, Imported and exported hosts
Hyalomma aegyptium on Testudo graeca (under carapace at hind leg), potential as vectors of disease: imported into Britain

Disease transmission, Imported and exported hosts
hematotropic parasites of Procyon lotor, carrier potential as related to translocation and release for hunting purposes, practice is considered biologically hazardous: southeastern United States

Disease transmission, Imported and exported hosts
Schillhorn van Veen, T. W.; and Adeyanju, J. B., 1979, Vet. Quart., v. 1 (3), 163-165
common diseases of exotic pet animals imported from Europe, brief review: West Africa

Disease transmission, Imported and exported hosts
parasite survey of cattle, sheep, and camels imported to the United Arab Republic

Disease transmission, Imported and exported hosts
Anaplasma marginale outbreak in non-prime mune Jersey cattle imported from United States and Denmark to farm in Bihar, clinical symptoms and pathological findings, epizootiological factors responsible for outbreak (high ambient temperature, stress of vaccination for rinderpest virus, presence of tick vectors), control achieved through chemotherapy of sick and healthy animals, removal of vectors, and housing in cool sheds; outbreaks in exotic herds could be avoided if cattle were imported in early winter: India

Disease transmission, Imported and exported hosts
Rovicola tibiatis, transmission from introduced Nama dama to Odocoileus hemionus columbianus apparently by direct contact at feeders, absence of males suggests that parthenogenetic reproduction occurs in R. tibiatis: California
SUBJECT HEADINGS

Disease transmission, Insecta. See Vectors, Insecta.

Disease transmission, Intrauterine. See Prenatal infection.

Disease transmission, Lactation

Disease transmission, Lactation

Disease transmission, Lactation

Disease transmission, Lactation

Disease transmission, Lactation

Disease transmission, Lactation

Disease transmission, Lactation

Disease transmission, Lactation

Disease transmission, Lactation

Disease transmission, Man to animal

Disease transmission, Man to animal

Disease transmission, Man to animal

Disease transmission, Man to animal

Disease transmission, Man to man. [See also Disease transmission, Venereal]

Disease transmission, Man to man

Disease transmission, Man to man

Disease transmission, Man to man

Disease transmission, Man to man

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Disease transmission, Man to man

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Disease transmission, Man to man
Disease transmission, Man to man

Doel, H.; et al., 1977, Psychiat., Neurol. u. Med. Psychol., v. 22 (9), 357-358
Enteroebius vermicularis, survey of adult patients in psychiatric institution revealed that incidence was small and that transfer from patient to patient was not a problem

Disease transmission, Man to man

Engbæk, K., 1978, Ugeskr. Laeger, v. 140 (1), 14-17
Giardia lamblia and other intestinal parasites of children in day-nurseries and kindergartens, incidence, clinical symptoms, management: Denmark

Disease transmission, Man to man

amoebiasis, giardiasis, Iodamoeba butschlii, epidemic in a homosexual population: New York City

Disease transmission, Man to man

Giardia lamblia, epidemiology of outbreak in day-care nurseries, transmission apparently person-to-person, more Canadian children were symptomatic and infected than were immigrant children attending the nurseries, infections cleared with metronidazole or atabrine, control measures suggested including treatment of all infected children regardless of whether they were symptomatic: Toronto, Canada

Disease transmission, Man to man

contamination of various utensils with helminth eggs in children's institutions, comparison of 2 methods of examination and counting: Borispol district, Kiev region

Disease transmission, Man to man

Pneumocystis carinii, small children, problems of transmission in hospitals and children's homes: Poland

Disease transmission, Man to man

amoebiasis, giardiasis, Iodamoeba butschlii, epidemic in a homosexual population: New York City

Disease transmission, Man to man


Disease transmission, Man to man

Palicka, P., 1979, Ceskoslov. Epidemiol., v. 50 (2), 108-115
scabies, human, epidemiological surveys in familial foci

Disease transmission, Man to man

Ring-Larsen, H.; and Jespersen, S., 1979, Ugeskr. Laeger, v. 141 (31), 2129-2130
Plasmodium falciparum, male drug addict infected by using common injection equipment, case report

Disease transmission, Man to man

Pneumocystis carinii pneumonia in immuno-suppressed patients, epidemiologic survey in hospital outbreak in children with acquired lymphocytic leukemia suggests that acquisition and spread of infection may be related to contact with hospital environment; risk of infection appeared related to intensity of chemotherapy and to a period of heightened susceptibility during therapy

Disease transmission, Man to man

Toxoplasma gondii, human, heart transplants, strong implication that donors' hearts were most likely source of infection, case reports

Disease transmission, Man to man

Schenone, H.; et al., 1971, Rev. Chilena Pedi., v. 42 (8), 561-566
human scabies, incidence survey showed children under 15 to be most heavily infected; apparent spread through overcrowding of sleeping facilities of families, lindane therapy recommended as drug of choice: Santiago, Chile

Disease transmission, Man to man

Entamoeba histolytica, Giardia lamblia, control attempts in a residential facility for mentally retarded persons: Washington, D. C.

Disease transmission, Man to man

Entamoeba histolytica, increasing incidence of intestinal infections in male homosexuals, importance of inclusion in differential diagnosis in cases with persistent intestinal symptoms: New York

Disease transmission, Man to man

Trichomonas vaginalis causing enterocolitis in 9-day-old infant, infection thought to have occurred per os during delivery

Disease transmission, Sewage. See Sewage.

Disease transmission, Sludge. See Sewage.

Disease transmission, Soil. [See also Disease transmission, Feces; Soil]

Disease transmission, Soil

Dada, B. J. O.; and Lindquist, W. D., 1979, J. Helminth, 53 (2), 145-146
Toxocara spp., prevalence of eggs in soil samples from some public grounds and highway rest areas, potential health hazard: Kansas, USA

Disease transmission, Soil

Ancylostoma duodenale, outbreak of disease in 27 young males after playing local game on field heavily contaminated with nightsoil, unusual clinical features, treatment: India
Disease transmission, Soil
ascaridiosis microfocus, eggs from soil treated with carbathion, invasive capacity reduced

Disease transmission, Soil
Lawande, R. V.; et al., 1979, Am. J. Clin. Path., v. 71 (2), 201-203
Naegleria fowleri, children, soil amebas recovered from nasal passages during dusty harmattan period, cause of fatal meningocencephalitis in infant (cerebrospinal fluid, nose): Zaria

Disease transmission, Soil
enteroparasitic cysts and eggs, contamination of green vegetables and kitchen garden soils, epidemiological survey, most commonly found during dry-season when fecal polluted brooks were used for irrigation: Ribeirao Preto, Sao Paulo, Brasil

Disease transmission, Soil
Eimeria spp., nematodes, pigs, soft runs as source of contamination, weather and climatic conditions

Disease transmission, Soil
Eimeria spp., nematodes, pigs, soft runs as source of contamination, weather and climatic conditions

Disease transmission, Soil
ocular toxocariasis, 17 children, clinical, serologic, and epidemiologic characteristics

Disease transmission, Soil
Strongyloides stercoralis, life cycle, larval survival and development under different conditions of temperature, humidity, and pH in soil, water, feces, hogwash, and cow dung, potential for transmission under climatic conditions of Poland

Disease transmission, Transplacental. See Prenatal infection.

Disease transmission, Transport hosts. See Vectors, Mechanical.

Disease transmission, Travel and migration. [See also Disease transmission, Imported and exported hosts]

Disease transmission, Travel and migration
Adonajio, A.; et al., 1976, Przegl. Epidemiol., v. 30 (1), 27-33
Taenia saginata, incidence of human taeniasis and bovine cysticercosis in rural areas, importance of migrations from villages and of locations of areas where cattle are pastured: Poznan Province, Poland

Disease transmission, Travel and migration
differences in fish parasite fauna between lakes, consequences of interlake transfer by proposed water diversion: Aishihik and Stevens lakes, Yukon Territory

Disease transmission, Travel and migration
Giardia lamblia, infection in group of students after a visit to Leningrad: Stockholm, Sweden

Disease transmission, Travel and migration
Giardia lamblia, inter- and intrafamilial infection involving 5 families, case reports, epidemiology, index case thought to be 3-year-old child from Israel that had recently been adopted by family members: Lindesberg, Sweden

Disease transmission, Travel and migration
Plasmodium polare, immature Chordeiles minor (blood), first report from South America, potential for intercontinental spread of avian malarias: Cali, Colombia (on migration route from North to South America)

Disease transmission, Travel and migration
fluke infections, human, geographic distribution, clinical aspects, need for differential diagnostic considerations in travellers, immigrants, and military personnel

Disease transmission, Travel and migration
latent and chronic tropical parasitic infections that could cause illness in refugees or U.S. citizens who were exposed to the parasites in Southeast Asia, review

Disease transmission, Travel and migration
larva migrans, myiasis, humans who have recently travelled to tropical or subtropical climates, case reports, clinical diagnosis and management with thiabendazole

Disease transmission, Travel and migration
Bell, A.; Neely, C. L.; and Peeples, J., 1979, South. Med. J., v. 72 (2), 141-143
tungiasis, man (heel and sole of foot), clinical report, therapy, historical note: Memphis, Tennessee (had just returned from Brazil)

Disease transmission, Travel and migration
Leishmania tropica major, outbreak of cutaneous leishmaniasis in non-immune population living in endemic area, clinical features, incubation period and seasonal incidence, immunity and re-infection, treatment: German employees living in Al-Hofuf, eastern Saudi Arabia

Disease transmission, Travel and migration
Bousfield, D., 1979, Nature, London (5714), v. 279, 573-574
Schistosoma mansoni, human, rapid increase in size of endemic area, migrant workers as major factor, control programs, review: Brazil
Disease transmission, Travel and migration
acquisition of parasites by Oncorhynchus gorbuscha during migration from Bella Coola River to Fitz Hugh Sound, British Columbia

Disease transmission, Travel and migration
Brøndum Nielsen, K.; and Hagedus, V., 1975, ROEFO, v. 123 (5), 486-488
Entamoeba histolytica, amoebic liver abscess complicated by biliary fistula, clinical case report, diagnostic difficulties and suggestions for diagnostic awareness in non-endemic areas: Pakistani worker in Denmark

Disease transmission, Travel and migration
Tunga penetrans from toe of 21-year-old Caucasian male: Utah, recently returned from Brazil

Disease transmission, Travel and migration
malaria, human, large post-war outbreak in highly urbanized area, epidemiology, vector survey, outbreak traced to at least one imported case from neighboring country where malaria is endemic: Whampoa-Kallang area of Singapore

Disease transmission, Travel and migration
Plasmodium vivax, man, case reports, infected during hunting trip to Honduras: Missouri

Disease transmission, Travel and migration
Imported malaria, increased incidence, inadequate prophylaxis, frequent re-infection in black Africans living in France and returning periodically to endemic areas, special risks for pregnant women: Paris

Disease transmission, Travel and migration
Paragonimus diagnosed in child presenting with soft tissue swellings on basis of clinical, radiological, serological, and epidemiological evidence despite failure to demonstrate ova in sputum, treatment with bitin-S followed by complete cure: Britain (had previously lived in eastern Nigeria)

Disease transmission, Travel and migration
Demidova, A. E.; et al., 1976, Terap. Arkh., v. 48 (12), 52-57
Leishmania donovani, 28-year-old man, visceral leishmaniasis infection of over 2 years' duration: Kirzhach-Vladimir Oblast, had been border guard in Crimean areas

Disease transmission, Travel and migration
Giardia lamblia, Entamoeba spp., Endolimax nana, study of American college students who had had high incidence of diarrheal disease while traveling in the Orient, findings suggest that G. lamblia and Entamoeba histolytica should be considered in differential diagnosis of gastrointestinal disease of travellers to the Orient

Disease transmission, Travel and migration
Plasmodium spp., humans emigrating or returning from endemic areas, striking rise in incidence, need for use of prophylactic drugs by travelers to endemic areas and for increased vigilance in diagnosing and treating malaria: East Birmingham Hospital and St. Thomas's Hospital, London

Disease transmission, Travel and migration
Fernex, M., 1979, Therap. Umschau, v. 36 (3), 205-210
tropical protozoan diseases, humans traveling to endemic areas, preventive measures, review

Disease transmission, Travel and migration
[Plasmodium] falciparum, woman who had previously travelled in Papua New Guinea, case report: Tonga

Disease transmission, Travel and migration
Fuller, G. K.; Lemma, A.; and Haile, T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (3), 526-530
Schistosoma mansoni, epidemiologic survey of resident population, snail vectors, and wild animals after reports of infection in tourists and campers to Omo National Park, importance of infection to future developmental plans: Omo National Park, southwest Ethiopia

Disease transmission, Travel and migration
Microfilaria repens, non-gravid adult worm excised from subcutaneous tissue of man's lower abdomen: Wisconsin, infection acquired 8 years previously in Greece

Disease transmission, Travel and migration
Metastrongyulus yokogawai, American woman traveling in the Orient, case report, chronic diarrhea treated unsuccessfully with hexylresorcinol, cured with tetrachloroethylene: California

Disease transmission, Travel and migration
Syngamus [sp.] in woman who travelled extensively in Caribbean Islands, recovery after thiabendazole treatment, case report: Dominica, West Indies
Disease transmission, Travel and migration
parasitic and other imported diseases, sources of infection discussed, future outlook, knowledge of tropical infections should be part of medical training

Disease transmission, Travel and migration
filariasis, 40-year-old California man, arm lymphedema, diethylcarbamazine citrate: United States, had resided 3 years in Africa

Disease transmission, Travel and migration
Haessig, J., v. 64 (6), 759-760

Disease transmission, Travel and migration
malaria, British travellers to endemic areas, suggested control measures

Disease transmission, Travel and migration
human malaria imported into Switzerland by travellers to tropical endemic areas, statistical review of reported cases, suggestions for diagnosis and clinical management

Disease transmission, Travel and migration
[Plasmodium] falciparum, problems in clinical management of infected persons, importance of providing tourists to endemic areas with information on malaria: Switzerland

Disease transmission, Travel and migration
filariasis, human, distribution and prevalence, age-sex distribution, implications for economic development programs involving resettlement of populations from non-endemic to endemic areas: Indonesia

Disease transmission, Travel and migration
Dermatobia hominis myiasis, student (buttocks, elbow), case report: University of Miami Health Center, recently returned from field trip to Costa Rica

Disease transmission, Travel and migration
Loa loa, 27-year-old Purdue University student from Sudan who had lived in United States for 4 years, case report, successful treatment with diethylcarbamazine, possible public health significance: Indiana

Disease transmission, Travel and migration
Kecmanovic, M.; et al., 1978, Srpski Arkhiv Trop., Lekar., v. 106 (4), 421-428
cutaneous leishmaniasis with multilocular lesions, 2 men, case reports, had travelled and worked in Kuwait and Libya, clinical review, therapy: Yugoslavia

Disease transmission, Travel and migration
Trypanosoma vivax, Nigerian trade cattle, use of lorries for cattle transport from northern grazing areas to south-western markets, important factor in reduced infection rate: Nigeria

Disease transmission, Travel and migration
Krotoski, W. A.; et al., 1978, J. Am. Med. Ass., v. 239 (26), 2778-2779
Plasmodium falciparum in 3 seamen, acquired off tropical West Africa, occupation and travel histories important in differential diagnosis: US Public Health Service Hospital, New Orleans

Disease transmission, Travel and migration
Kuntz, R. E.; et al., 1978, J. Parasitol., v. 64 (5), 940-941
Schistosoma mansoni, Saudi Arabian strain, susceptibility of different species and geographic strains of Biomphalaria (exper.), no infections in B. obstricta from South Texas, brief discussion of possibility of introduction of schistosomiasis into United States

Disease transmission, Travel and migration
human parasitic diseases imported into Russia by travelers to Africa, Asia, and Latin America, symptoms, clinical management

Disease transmission, Travel and migration
human malaria, errors in diagnosing cases imported into non-endemic areas

Disease transmission, Travel and migration
visceral leishmaniasis in child apparently acquired while traveling in Yugoslavia, manifestations of severe septic temperature elevations, diagnostic difficulties with diagnosis finally by immunoserologic means, improvement in condition after fuadin therapy: Germany

Disease transmission, Travel and migration
Giardia lambia, outbreak in large group of American tourists who travelled to island of Madeira in Oct. 1976, drinking water and food implicated as probable sources of infection: Portugal

Disease transmission, Travel and migration
Lopez, C. E.; Ruebush, T. K.; II; and Schultz, M. G., 1979, J. Infect. Dis., v. 139 (2), 255-260
malaria, American civilians, detailed analysis of cases acquired during travel abroad, 1970-1976

Disease transmission, Travel and migration
[Letter]
intestinal parasites, humans, prevalence in 3 ethnic groups (Mexican-American, Punjabi, Caucasian): Cantua Creek, California
Disease transmission, Travel and migration
malaria, observations on imported human cases, diagnostic importance, clinical aspects: SSSR

Disease transmission, Travel and migration
Plasmodium falciparum, man, associated Salmonella bacteremia, death due to malarial cerebral edema, infected during conducted tourist trip to Gran Canaria and Gambia: Denmark

Disease transmission, Travel and migration

Disease transmission, Travel and migration
Brugia timori, clinical features among immigrants to endemic area: West Flores, Indonesia

Disease transmission, Travel and migration
Pawlowski, Z.; and Kociecka, W., 1979, Polski Tygod. Lekar., v. 34 (47), 1855-1856
tourist diarrhea of parasitic and bacterial origins, clinical review

Disease transmission, Travel and migration
schistosomiasis mansoni, outbreak in family that had earlier spent 3 years in East Africa, clinical aspects, therapy, 2-year-follow-up: Georgia

Disease transmission, Travel and migration
cysticerces cellulose, solitary cyst in eye of young girl who several years previously had lived for 2 years in Vietnam and Laos, clinical case report, histologic diagnosis

Disease transmission, Travel and migration
Prag, J.; Nérredam, K.; and Hardvendel, U., 1979, Ugeskr. Laeger, v. 141 (14), 3022-3028
parasite survey, 150 Vietnamese Mon-Khmers during their first 30 months after arrival in Denmark

Disease transmission, Travel and migration
Price, S. M.; and Silvers, D. N., 1977, Arch. Dermat., Chicago, v. 115 (10), 1415-1416
cutaneous leishmaniasis resulting in ulcerous lesion on arm of college student who had recently returned from Peru, case report, diagnostic problems finally resolved by fluorescent antibody test: New York

Disease transmission, Travel and migration
cysticercosis, human cases, subcutaneous nodules, surgical removal; previous tapeworm infection in Mexico; importance of careful diagnosis of travelers' infections: Texas

Disease transmission, Travel and migration
[Letter]
Plasmodium falciparum, boy, chloroquine, case report, recently travelled to Liberia and Ivory Coast; importance of determining whether patient has travelled outside United States or Canada: Massachusetts

Disease transmission, Travel and migration
Tunga penetrans, Danish tourist to Gambia, severe infestation of feet after exposure to sandy beaches; pathology, scanning electron microscopy of fleas; suggested control measures

Disease transmission, Travel and migration
Entamoeba polecki, 24-year-old Peace Corps volunteer (feces), symptomatic intestinal infection cured with diloxanide furate and metronidazole: United States (previously in Upper Volta)

Disease transmission, Travel and migration
endemic and imported parasitic diseases, humans, pilot survey, fecal and serologic tests; cercarial dermatitis difficult to detect as recreational waters were treated with copper sulfate: Manitoba

Disease transmission, Travel and migration
Capillaria obsignata, Amidostomum anseris, survey of migrant birds indicates they may be source of contamination for domestic birds; Syngamus trachea was not detected in any birds examined: United Arab Republic

Disease transmission, Travel and migration
malaria, human, review of all cases reported in New York City between 1972 and 1977: geographical source of imported cases, age, sex, race, nationality, and occupational status of host; need for physicians to inform travelers of malaria risk and chemoprophylactic benefit

Disease transmission, Travel and migration
trypanosomiasis, probably Gambian type, Swedish woman who had vacationed in Gambia, case report, discussion of possible risk of Europeans acquiring infection while touring African nations
Disease transmission, Travel and migration
Entamoeba histolytica, retrospective study of 453 persons who became infected through travel or living abroad, symptoms, pathology, therapy; Zurich region of Switzerland

Disease transmission, Travel and migration
Stingl, P., 1978, Therapiewoche, v. 28 (23), 4586-4594
tropical dermal parasitic diseases which may be diagnosed in tourists and travellers to endemic areas, clinical review

Disease transmission, Travel and migration
malaria, humans, epidemiology, risk of infection in travellers returning from Africa, importance of prophylaxis: Switzerland

Disease transmission, Travel and migration
survey of intestinal parasites of Laotian refugees to detect presence of schistosomiasis, public health implications: Ubon Province, Thailand

Disease transmission, Travel and migration
Thompson, R. G.; et al., 1979, Brit. Med. J. (6168), v. 1, 952 [Letter]
malaria, immigrants and travellers, incidence, recommendations for educating travellers and the general public: Wolverhampton

Disease transmission, Travel and migration
Plasmodium ovale, clinical aspects and diagnostic criteria of infections in 2 African natives living in Poland

Disease transmission, Travel and migration
Traska, B.; Czesnel, Z.; and Golba, J., 1974, Przegl. Epidemiol., v. 28 (2), 139-148
human malarias, nomadic migration, local customs, low levels of education and lack of sufficient health services contribute to spread of infections and difficulties in establishing control measures in Afghanistan

Disease transmission, Travel and migration
Mansonella ozzardi, regular blood donor, tourism-acquired (Caribbean) asymptomatic microfilaremia; no infection in blood recipients; diethylcarbamazine treatment unsuccessful

Disease transmission, Travel and migration
parasitic and microbiological risks associated with increased tourism from West Germany and Austria into warmer countries

Disease transmission, Travel and migration
amoebiasis and other human intestinal parasites, persons returning from tropical countries, laboratory diagnostic problems, test recommendations: Poland

Disease transmission, Venereal
enteric human pathogens, sexual transmission, higher prevalence among homosexual males, public health aspects

Disease transmission, Venereal
Nosema cuniculi, Alopex lagopus, clinical signs of nosematosis in litter after artificial insemination and intrauterine injection of Nosema spores, possibility of transmission from male during mating

Disease transmission, Venereal
Giardia lamblia, association of infection with male homosexuality, case reports, diagnostic recommendations: New York City

Disease transmission, Venereal
Schneider, G. T., 1979, Postgrad. Med., v. 65 (4), 177-180
vaginal infections including Trichomonas vaginalis, pregnant women, sexual transmission, diagnosis and treatment, review

Disease transmission, Venereal
Spence, J. B.; et al., 1978, Vet. Rec., v. 102 (2), 38-39
Toxoplasma gondii, sheep (exper.) (semen and epididymis of rams; heart, skeletal muscle, and liver of ewes), clinical response, results indicate that transmission is possible at coitus

Disease transmission, Venereal
Enteric protozoa, Enterobius vermicularis, high rate of infection in homosexual men who practice anilingus: New York City

Disease transmission, Water. [See also Disease transmission, Feces; Irrigation]

Disease transmission, Water
discussion on environmental implications of water development for developing countries: possibility of decreased human parasitism by improving potable water and by reducing human contacts with vectors of water-borne or water-based infections, also possibility of spread of parasitism through development of irrigation canals

Disease transmission, Water
Burch, J. B.; et al., 1979, Tropenmed. u. Parasitol., v. 30 (2), 174-178
vector potential of bulinine snails found in Lake Nasser established by count of chromosone numbers, potential susceptibility of these snails must be taken into account in plans to resettle human populations around the lake: Egypt
Disease transmission, Water
Armillifer armillatus, abdominal pentastomiasis in man (in tumor of omentum, on peritoneum of intestines and abdominal wall) with associated cancer of colon, case report, infection possibly originated from drinking water contaminated by snakes or from eating snake or crocodile meat: Zaire

Disease transmission, Water
Naegleria fowleri, human amoebic meningoencephalitis, water pollution as major source of infection, epidemiology, prevention and control, review

Disease transmission, Water
Giardia lamblia, humans, waterborne outbreaks occurring from contaminated drinking water, seasonal distribution, data indicate that disinfection as only treatment for surface water sources is ineffective, review: United States

Disease transmission, Water
Schistosoma haematobium, water contact patterns of people according to age, sex, and type of activity, multiple regression analysis: Fatem, Lake Volta, Ghana

Disease transmission, Water
Naegleria and Acanthamoeba, incidence in aquaria, may be source of human infection: Belgium

Disease transmission, Water
isolation of 164 strains of free-living amoebae from public water supplies and swimming pools, some strains of Acanthamoeba polyphaga, A. castellanii, A. lenticulata, and A. comandoni were pathogenic for mice, none of the Naegleria isolated were pathogenic for mice, levels of bromine and chlorine used were insufficient to eliminate these amoebae, potential danger to users and suggested control measures: Strasbourg

Disease transmission, Water
Dive, N.; et al., 1978, Ann. Microbiol., v. 139 B (10), 225-244
"Lima" amoebae in swimming pools, water purification systems, associated bacterial flora, temperature, pathogenicity to mice: North of France

Disease transmission, Water
Healy, G. R.; and Juraneck, D., 1979, Food-Borne Infect. and Intox. (Riemann), 2. ed., 343-385
parasitic diseases transmitted by food or by fecally contaminated food or water, review

Disease transmission, Water
Naegleria gruberi, human, fatal meningoencephalitis after swimming in public pools, ameoba discovered in spinal fluid, amphotericin B studied as possible therapy: Belgium

Disease transmission, Water
tests for ovicidal activity of iode and chlorine in swimming pools using Aspiculuris tetraptera as model for human Enterobius vermicularis and Ascaris suis as model for Ascaris lumbricoides; neither chemical was an effective ovicide

Disease transmission, Water
Naegleria gruberi, human primary amoebic meningoencephalitis, case reports, swimming pools were source of infections: Western Europe

Disease transmission, Water
Kadlec, V.; Cerva, L.; and Skvarova, J., 1978, Science (4360), v. 201, 1025
reservoir of pathogenic Naegleria fowleri located in cracked wall of indoor swimming pool where repeated outbreaks of primary amoebic meningoencephalitis were observed between 1962 and 1965: northern Bohemia

Disease transmission, Water
Giardia lamblia, outbreak in large group of American tourists who travelled to island of Madeira in Oct. 1976, drinking water and food implicated as probable sources of infection: Portugal

Disease transmission, Water
enteroparasitic cysts and eggs, contamination of green vegetables and kitchen garden soils, epidemiological survey, most commonly found during dry-season when local polluted brooks were used for irrigation: Ribeirao Preto, Sao Paulo, Brasil

Disease transmission, Water
Starvation or bilharzia?--a rural development dilemma

Disease transmission, Water
mixed Schistosoma mansoni and S. bovis infection in Sudanese immigrant (stool), case report, significance in relation to current concepts on heterologous immunity discussed, infection possibly acquired from drinking river water frequented by wild animals: Uganda
Disease transmission, Water

survey of swimming pools for presence of free-living amebae, potential danger for swimmers: Lyon

Disease transmission, Water

Tugela-Vaal River water scheme as possible source for introduction of bilharziasis into non-endemic area, snail survey for potential vectors: Orange Free State, South Africa

Disease transmission, Water

intestinal parasites, children, infection rates in relation to sources of drinking water (open dug wells, water taps in street, water tap within household): Athur block, Madurai district, Tamil Nadu

Disease transmission, Water

protozoa polluting tap water, concentration and identification in culture: Federal District, Mexico City

Disease transmission, Water

Ascaris suum eggs eaten and digested by ciliates, possible role in water purification

Disease transmission, Water

Strongyloides stercoralis, life cycle, larval survival and development under different conditions of temperature, humidity, and pH in soil, water, feces, hogwash, and cow dung, potential for transmission under climatic conditions of Poland

Disease transmission, Water

Giardia lambia, epidemic of giardiasis among employees of mountain resort lodge, epidemiologic investigation implicated lodge's untreated water supply as source of infection: Colorado

Distribution in host. See Localization.

Diurnal rhythms. See Periodicity.

Drugs, Mode of action. [See also Pharmacology]

Drugs, Mode of action

Alonso, P., 1979, Chemotherapy, v. 25 (1), 40-47
mebendazole, free-living ciliates highly resistant, probably due to their aerobic condition, morphological and physiological alterations, comparison with parasitic protozoa

Drugs, Mode of action

Schistosoma mansoni, praziquantel, effects on miracidia and their hatching; effects on cercarial swimming, penetration and subsequent development in final host

Drugs, Mode of action

Bachrach, U.; et al., 1979, Exper. Parasitol., v. 48 (3), 464-470
Leishmania spp., effect of ethidium, pentamidine, and methylglyoxal-bis (guanylylhydrazone) on growth and on polyamine, RNA, and DNA synthesis

Drugs, Mode of action

Behm, C. A.; and Bryant, C., 1979, Vet. Parasitol., v. 5 (1), 39-49
anthelmintic action—a metabolic approach, a review

Drugs, Mode of action

Benard, J.; Riou, G.; and Saucier, J. M., 1979, Nucleic Acids Research, v. 6 (5), 1941-1952
Trypanosoma cruzi at different stages of culture and grown in presence of ethidium, kinetoplast DNA, characterization by sedimentation analysis

Drugs, Mode of action

Bennett, L. N.; Behm, C.; and Bryant, C., 1978, Internat. J. Parasitol., v. 8 (6), 463-466
Mesocostoides cortii, mice (infected, injected with dead larvae previous to infection, or irradiated), effects of mebendazole and levamisole alone or together on tetrahymenia, concluded that anthelmintic efficacy of mebendazole depends on its anthelmintic activity supplemented by host's immune response and that levamisole stimulates the latter

Drugs, Mode of action

Bennett, J. L.; and Gianutsos, G., 1978, Biochem. Pharmacol., v. 27 (5), 817-820
Schistosoma mansoni in mice, disulfiram reduces norepinephrine levels in both male and female parasites and induces abnormal egg production, varying effects on other schistosome physiological and biochemical parameters, disulfiram also reduces pathological consequences of infection and affects parasite development

Drugs, Mode of action

cestodes, pathomorphology resulting from action of various anthelmintics

Drugs, Mode of action

dipyridylidium cadmium, various anthelmintics, in vitro action on surface tissues and inactivation of enzymes

Drugs, Mode of action

Bouwme, O. J.; Stewart, J. T.; and Capomacchia, A. C., 1978, J. Pharm. Sc., v. 67 (9), 1224-1228
a-dibutylaminomethyl-2,6-bis(p-trifluoromethylphenyl)-4-pyridinmethanol, potential antimalarial agent, characterization of pharmacologically important species derived by electronic absorption and fluorescence spectroscopy
Drugs, Mode of action
Trypanosoma cruzi, epimastigote forms in saline medium, action of ß-lapachone and its metabolite form α-lapachone on parasite growth and production of hydrogen peroxide; ß-lapachone inhibited growth but possible effect was mediated by the hydrogen peroxide and related free radicals

Drugs, Mode of action
Trypanosoma cruzi, differential effect of ß-lapachone and α-lapachone on superoxide anion and hydrogen peroxide production and on growth of epimastigotes

Drugs, Mode of action
Boveris, A.; et al., 1978, Comp. Biochem. and Physiol., v. 610 (2), 327-329
Trypanosoma cruzi, correlation between superoxide anion production and trypanocidal action of naphthoquinones

Drugs, Mode of action
Trypanosoma cruzi, description of method allowing study of drug action on trypomastigotes in mice

Drugs, Mode of action
Trypanosoma cruzi, mice treated with nitrofurazone, nifurtimox, or Ro 7-1051, differences in susceptibility of 4 parasite strains to active drugs attributed to biological characteristics of strains rather than mode of drug action

Drugs, Mode of action
Trypanosoma brucei brucei, effect of glycerol on anaerobic glycolysis in vitro, concurrent administration of salicylhydroxamic acid and glycerol to infected rats results in rapid clearance of parasitemia

Drugs, Mode of action
Brotheron, J., 1978, Arzneimittel-Forsch., v. 28 (10), 1665-1672
Trichomonads, in vitro testing of potential trichomonacides using Coulter Counter, chemical structure and effectiveness discussed

Drugs, Mode of action
Bunn, M. M.; et al., 1977, Ztschr. Parasitenk., v. 52 (3), 245-256
Herpetomonas samuellpessoai in vitro, 2-deoxy-D-glucose (2-DG) inhibits growth and respiration, modifies ultrastructure of cells; some carbohydrates decrease effect of 2-DG

Drugs, Mode of action
Burchard, G. D.; Albiez, E. J.; and Bierther, M., 1979, Tropenmed. u. Parasitol., v. 30 (1), 97-102
Onchocerciasis, humans, electron microscopic studies of skin and of microfilariae after treatment with metrifonate: Liberia

Drugs, Mode of action
Campbell, W. C.; Blair, L. S.; and Lotti, V. J., 1979, J. Helminth., v. 53 (3), 254-256
Trichinella spiralis, mice, efficacy of avermectin B1a not suppressed by agents known to block cholinergic neurotransmission

Drugs, Mode of action
Carli, S.; et al., 1979, Riv. Zootecn. e Vet. (1), 7-9
Fasciola hepatica, in vitro, lucensomycin, fluke motility, effect of drug reduced by steroid compounds, not affected by alpha-mercaptopropionylglycine

Drugs, Mode of action
Antiprotozoal drugs in current use, extensive review of modes of action, epidemiologic factors, clinical administration, contraindications and cautions

Drugs, Mode of action
Chalikin, R. J., 1979, Canine Pract., v. 6 (3), 32, 35-37
Dirofilaria immitis, dogs, efficacy of levamisole as a simultaneous microfilaricide/adulticide

Drugs, Mode of action
Chang, K. P.; et al., 1978, J. Protozool., v. 25 (1), 145-149
Methylglyoxal bis(guanyldihydrazone) (MGBG), little in vitro effect on Blastocystidium culicis, Crithidia oncopelti, and Leishmania spp. but complete inhibition of growth of Trypanosoma brucei, reduced parasitemia of T. brucei and T. congolense in rats but infections relapsed, tracer studies with T. brucei showed that MGBG interfered with nucleoside incorporation

Drugs, Mode of action
Chappel, L. R., 1979, J. Parasitol., v. 65 (1), 137-143
Eimeria spp., chicks, site of action of salinomycin

Drugs, Mode of action
Chatfield, R. C.; and Yeary, R. A., 1979, Vet. Parasitol., v. 5 (2-3), 177-193
Hymenolepis diminuta, buminadine HCl, applicability of in vitro cultivation in determination of LC50, effect on enzymes involved in energy metabolism and on ultrastructure

Drugs, Mode of action
Schistosoma mansoni, short term effects of oxamniquine on activity of paired worms in vitro

Drugs, Mode of action
Schistosoma mansoni, activity of pairs of adults as modified by various oxamniquine concentrations monitored in continuous flow culture system by means of ultrasound
Drugs, Mode of action
Schistosoma mansoni, ultrasound compares favorably with other activity monitoring methods used to assess drug effects on worms; response to 5-hydroxytryptamine as indicator of neuromuscular status

Drugs, Mode of action
Fasciola hepatica, rats and sheep (both exp.), mebendazole, cambendazole, thiabendazole, anthelmintic activity, molecular structure-activity analyses

Drugs, Mode of action
Christow, C.; and Stoppani, A. O. M., 1979, Arch. Biochem. and Biophys., v. 197 (1), 317-321
Trypanosoma cruzi epimastigotes, generation of superoxide anion and hydrogen peroxide induced by nifurtimox

Drugs, Mode of action
Chavasse, C. J.; Brown, M. W.; and Nolan, J. L., 1978, J. Helminth., v. 53 (1), 36-33
Schistosoma mansoni, praziquantel, effect on different life cycle stages, possible mechanism of action

Drugs, Mode of action
development of selective chemotherapeutic agents exploiting biochemical differences between disease agents and their hosts, review includes discussion of several tropical diseases

Drugs, Mode of action
Coles, G. C., 1979, J. Helminth., v. 53 (1), 31-33
Schistosoma mansoni, praziquantel, effect on different life cycle stages, possible mechanism of action

Drugs, Mode of action
Trypanosoma brucei, mode of action

Drugs, Mode of action
Trypanosoma vivax, Trypanosoma brucei, mechanism of drug action

Drugs, Mode of action
Trypanosoma cruzi epimastigotes, lipid peroxidation and generation of free radicals, superoxide anion, and hydrogen peroxide

Drugs, Mode of action
Paragonimus kellicotti, specific-nitogen-free cats, albendazole, excellent results (reduced ova production, changed worm morphology, reduced pulmonic lesions)

Drugs, Mode of action
Echinococcus spp., larval stages, laboratory animals, fenbendazole, mebendazole

Drugs, Mode of action
Eleboulaqi, H. A.; and Stirling, D. A., 1979, Acta Trop., v. 36 (2), 85-90
Ascaris lumbricoides, human, levamisol treatment, degenerative changes in intestine and reproductive system of worms, worms not expelled by treatment produced only non-viable eggs
Drugs, Mode of action
Entner, N., 1979, J. Protozool., v. 26 (2), 324-328
Entamoeba histolytica, emetine binding to ribosomes, inhibition of protein synthesis and amebicidal action, capacity to bind emetine is index of drug resistance

Drugs, Mode of action
gastrointestinal helminths, cattle breeding, therapeutic and prophylactic control, nutrition and selection of resistant strains of cattle, extensive review: west Europe

Drugs, Mode of action
Field, R. C.; et al., 1978, Brit. J. Pharmacol., v. 62 (2), 159-164
effects of chloroquine, primaquine and ethidium on precursor incorporation into DNA, RNA and protein in mammalian tissues

Drugs, Mode of action
Fitch, C. D.; Chevli, R.; and Gonzalez, Y., 1978, J. Parasitol., v. 64 (3), 757-762
Plasmodium falciparum, Aotus trivirgatus erythrocytes infected with chloroquine-susceptible vs. chloroquine-resistant strain, effect of substrate (glucose) on chloroquine and amodiaquin accumulation

Drugs, Mode of action
Plasmodium berghei, mice, anti-plasmodial activity of chloroquine does not appear to be associated with inhibition of erythrocytic glucose-6-phosphate dehydrogenase

Drugs, Mode of action
benzimidazoles and benzimidazole derivatives, interaction with bovine brain tubulin, implications for mode of anthelmintic action

Drugs, Mode of action
avermectin B1a, effect on neuromuscular preparations of lobster, Ascaris lumbricoides, frog, and crayfish

Drugs, Mode of action
Trichomononas foetus, in vitro inhibition by vermiculine, mode of action

Drugs, Mode of action
Schistosoma mansoni in mice, Mastomys, and hamster, praziquantel, various routes of administration compared, all effective; fractional doses double efficacy of single dose; more effective against invading and mature stages than against juveniles

Drugs, Mode of action
anthelmintics in current use, extensive review of modes of action, epidemiologic factors, clinical administration, contraindications and cautions

Drugs, Mode of action
Guida, V. O.; et al., 1974, Rev. Brasil. Med., v. 31 (7), 465-470
Schistosoma mansoni, humans with intestinal, hepato-intestinal and hepatosplenic compensated forms of infection, Bacillus amyloliquefasciens resulted in clinical and parasitologic cure, apparent enzymatic action on parasites

Drugs, Mode of action
Gutteridge, W. E.; and Coombs, G. H., 1977, Biochemistry of parasitic protozoa, 172 pp., illus., biochemistry of parasitic protozoa, textbook: methodology, catabolism and generation of energy, nucleic acid metabolism; protein metabolism; lipid metabolism; biochemical mechanism of drug action; isolation of parasitic protozoa from infected animals; culture of parasitic protozoa

Drugs, Mode of action
Hajduk, S. L., 1979, J. Cell Sc., v. 35, 185-202
Crithidia fasciculata, Trypanosoma equiperdum, observations on dyskinetoplasia, possible mechanisms of acriflavine action

Drugs, Mode of action
Hamajima, F.; et al., 1979, Internat. J. Parasitol., v. 9 (3), 241-249
Clonorchis sinensis, Metagonimus takahashii, Paragonimus miyazakii, in vitro effects of bithionol and menochlorophan on motility, metabolism, and fine structure

Drugs, Mode of action
Eimeria tenella, kidney cell cultures, chickens (exper.), septamycin, activity largely confined to first generation schizont

Drugs, Mode of action
Schistosoma mansoni, anticholinergic drugs as inhibitors of labeling of parasite by a fluorescent derivative of acetylcholine, scanning microfluorimetric system

Drugs, Mode of action
Hillman, G. R.; Senft, A. W.; and Gibler, W. B., 1978, J. Parasitol., v. 64 (4), 754-756
Schistosoma mansoni, hyancanthone, mode of action, possible explanations of some discrepancies in results in published reports
Drugs, Mode of action
Ho, Y. H.; and Yang, H. C., 1974, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 20 (3), 243-262
Schistosoma japonicum, egg formation and chemical nature of egg shell, histological and histochemical study, morphological changes in egg formation following treatment of infected mice with thiourane compounds

Drugs, Mode of action
Iamov, V. Z.; and Kolesnik, N. V., 1978, Veterinariia, Moskva (11), 68-70
Hypodermia bovis larval stages, esterases, molecular forms, effect of inhibitors, including chlorophos

Drugs, Mode of action
Ireland, C. M.; et al., 1979, Biochem. Pharmacol., v. 28 (17), 2680-2682
relative effectiveness of several benzimidazole carbamates and related compounds on assembly of sheep brain microtubules in vitro and on infections of Nematospiroides dubius in mice

Drugs, Mode of action
Jaffe, J. J.; et al., 1978, J. Parasitol., v. 64 (2), 193-197
Brugia pahangi-infected Aedes aegypti treated with sulfisoxazole and methotruxate singly or in combination, average number of infective larvae recovered was half of that recovered from controls and many larvae recovered were small and sluggish, most likely mode of action is inhibition of synthesis de novo of dihydrofolate in either parasite or more likely in mosquito host (leading to folate-related nutritional deficiencies iminical to normal filarial larval development)

Drugs, Mode of action
Jaffe, J. J.; and Chrin, L. R., 1978, J. Parasitol., v. 64 (4), 661-668
Brugia pahangi-infected and normal Aedes aegypti, methyltetrahydrofolate dehydrogenase (MTHFD) and reductase (MTHFR) activity, change in folate metabolism with advanced infections; suramin inhibited MTHFR activity but not MTHFD; MTHFR activity detected in crude extracts of adult parasites differed from that in mosquitoes

Drugs, Mode of action
Jones, R. L.; Davidson, M. W.; and Wilson, W. H., 1979, Biochim. et Biophys. Acta, v. 561 (1), 77-84
chloroquine does not bind to DNA by classical intercalation mechanism typical of quinacrine and ethidium

Drugs, Mode of action
Juan, S. M.; Cazzulo, J. J.; and Segura, E. L., 1979, Comp. Biochem. and Physiol., v. 63B (4), 531-535
Trypanosoma cruzi, inhibition of NADP-linked glutamate dehydrogenase by sulfhydryl reagents

Drugs, Mode of action
Juan, S. M.; Segura, E. L.; and Cazzulo, J. J., 1979, Experientia, v. 35 (9), 1139-1140
Trypanosoma cruzi, NADP-linked glutamate dehydrogenase, inhibition by silver nitrate

Drugs, Mode of action
mebendazole, mode of action, pharmacokinetics, and clinical efficacy of approved and nonapproved uses, review over past 5 years

Drugs, Mode of action
Khayyal, M. T.; et al., 1977, Egypt. J. Bilharz., v. 4 (2), 149-156
S(chistosoma) mansoni, mice, antimony notasssium tartrate therapy given with penicilime as adjuvant gives same therapeutic results with fewer side effects; ameliorates lipid changes in host but not in parasites

Drugs, Mode of action
Khayyal, M. T.; et al., 1978, Egypt. J. Bilharz., v. 4 (1), 89-96
S[chistosoma] mansoni, effect of niridazole on lipid pattern of worms and serum and liver of infected and non-infected mice

Drugs, Mode of action
Kim, K. H.; et al., 1979, J. Med. Chem., v. 22 (4), 366-351
P[lasmidium] berghei, 646 1-aryl-2-(alkylamino)ethanol antimalarials, quantitative structure-activity relationship, mathematical analysis

Drugs, Mode of action
Koehler, P.; and Bachmann, R., 1978, Molec. Pharm., v. 14 (1), 155-163
Ascaris suum muscle tissue, comparison of effects of levamisole, thiabendazole, chloroquine, and praziquantel on electron transport in Ascaris muscle submitochondrial particles

Drugs, Mode of action
Koehler, P.; Bryant, C.; and Behm, C. A., 1978, Internat. J. Parasitol., v. 8 (5), 399-404
Fasciola hepatica, ATP synthesis in succinate decarboxylase system from mitochondria, inhibition in vitro by mebendazole and a soluble derivative of cambendazole

Drugs, Mode of action
Fasciola hepatica total and mitochondrial lipids, ox brain total lipids, and ox heart mitochondrial lipids as sources of bimolecular phospholipid membranes in which proton conductivity induced by aromatic sulfides, sulfoxides, and sulfones correlated with their fascioloidalidal effects and permitted toxicity evaluation

Drugs, Mode of action
abence of strand breaks in DNA treated with metronidazole

Drugs, Mode of action
Leon, L.; et al., 1978, Exper. Parasitol., v. 45 (2), 151-159
Trypanosoma cruzi, effect of olivacine in vitro on growth, on macromolecular synthesis, on ultrastructure, and on respiration of epimastigotes, in vivo activity does not parallel in vitro effects
Drugs, Mode of action
Lindmark, D. G.; and Mueller, M., 1976, Anti-
microb. Agents and Chemotherapy, v. 10 (3),
476-482
metronidazole and 11 other nitroimidazoles,
antitrichomonad activity against Trichricho-
monas foetus and Trichomonas vaginalis,
mutagenic action in Salmonella test, re-
ducibility of nitro group by T. foetus
homogenates, results underscore role of
reduction of nitro group in antitrichomonad
and mutagenic activity of nitroimidazoles

Drugs, Mode of action
Lumbreras, H.; et al., 1972, Rev. Peruana Med.
Trop., v. 1 (2), 84-86
human uncinariasis, technique of Harada-Mori
used to evaluate action of thiabendazole
against viability of parasite eggs, inhibi-
tion and retardation of egg hatching was

Drugs, Mode of action
McBeath, D. G.; et al., 1978, Equine Vet. J.,
v. 10 (1), 5-8
strongylo parasites, horses, fenbendazole
effective against both adult and larval
stages permitting anthelmintic treatment at
less frequent intervals

Drugs, Mode of action
McCormack, J. J.; et al., 1979, Biochem.
Pharmacol., v. 28 (21), 3227-3229
inhibition of dihydrofolate reductases by
derivatives of 2,4-diaminopyrroloquinazoline,
Crithidia oncopelti used as one source of
reductases

Drugs, Mode of action
McDougald, L. R.; and Galloway, R. B., 1977,
Ztschr. Parasitenk., v. 54 (1), 95-100
Eimeria tenella in vitro development in-
hhibited by serum from chickens fed anti-
coccidial drugs, technique to assay drug
activity and to characterize and quantitate
therapeutic effect

Drugs, Mode of action
McManus, E. C.; and Rogers, E. F., 1979, Expier.
Parasitol., v. 48 (2), 285-288
Eimeria tenella in chickens, synergistic inter-
action of sulfaquinoxaline and t-butyl-
aminothanol

Drugs, Mode of action
McGuistion, T. E.; and McDougald, L. R., 1979,
Ztschr. Parasitenk., v. 59 (2), 107-113
Eimeria tenella, surgical ligation of chick
ceca used to study role of absorption and
extraintestinal transport in action of anti-
coccidial drugs

Drugs, Mode of action
178-182
Schistosoma mansoni, untreated worms and
worms treated with ambilhar or astiban,
electron microscopy of cuticle, subcuticu-
lar region, and gut; possibility that egg
formation is interrupted by either treatment

Drugs, Mode of action
145-148
Schistosoma mansoni adult worms removed
from mice treated with chloroquine showed
reduced exogenous glucose uptake, increased
lactic acid production and reduced motility

Drugs, Mode of action
Mansour, T. E., 1979, Science (4405), v. 205,
462-469
helminths, regulation of motility, metabolism,
chemotaxis, and egg formation in relation to
development of new and more selective chemo-
therapeutic agents, review

Drugs, Mode of action
Marr, J. J.; Berens, R. L.; and Nelson, D. J.,
1978, Science (4360), v. 201, 1018-1020
Trypanosoma cruzi, antiprotozoal effect of
allopurinol can be accounted for by its in
vivo transformation into a toxic adenine
analog by the parasite

Drugs, Mode of action
Matsuzawa, T., 1978, Parasitology, v. 77 (2),
235-241
Eimeria tenella, chickens, beclotiamine, mode
of action studies; attempts to potentiate or
agonist its activity revealed that pyri-
thlamine and 2,4-dinitrophenol also showed
slight anticoxidial activity and that a
combination of 2,4-DNP and beclotiamine was
effective but weight gain was not as good as
with beclotiamine alone

Drugs, Mode of action
Melo, A. H.; Pereira, L. H.; and Correa, M. C.
72 (2), 158-159
Schistosoma mansoni, mice, high doses of ox-
amquione produced inhibition of cercaria-
schistosomulum transformation, suggests that
drug is active during process of host-larvae
adaptation

Drugs, Mode of action
v. 148 (2), 569-579
Trypanosoma brucei brucei, attempt to develop
new trypanocidal drugs based on inability of
bloodstream form to decompose hydrogen perox-
ide, experiments with porphyrins, naphtoqui-
nones, and arsenicals in vitro and in vivo,
possible mechanisms of combination of agents

Drugs, Mode of action
and Exper. Therap., v. 207 (3), 1041-1050
Trypanosoma brucei brucei, mice, rats, rab-
bbits, evaluation of trypanocidal activity
of series of porphyrins and metalloporphyr-
ins, role of zinc in porphyrin-induced lysis

Drugs, Mode of action
Meshnick, S. R.; Chang, K. P.; and Cerami, A.,
1977, Biochem. Pharmacol., v. 26 (20), 1923-
1928
Trypanosoma brucei, T. congolense, home lysis of
bloodstream forms, T. brucei, lytic effect of
porphyrins, in vitro and in vivo (mice)
studies, mechanism of action believed to be
homolytic cleavage of intracellular H2O2 to
form hydroxyl radicals which can react with
vital cell components and kill the organism

Drugs, Mode of action
II, s. Sc. Biol., v. 24 (5), 280-292
Fasciola hepatica miracidia, inhibitory
effect of pesticides on enzyme activity
Drugs, Mode of action
Schistosoma mansoni-infected mice, physiological and morphological changes in parasite egg formation after mice were treated with one of 7 known antischistosomal drugs

Drugs, Mode of action
Montgomery, A. M.; Proctor, G. R.; and Green, B., 1979, Biochem. Soc. Tr., v. 7 (6), 1251-1253
binding to DNA of indolobenzazepine analogue of antimalarial drug amodiaquine

Drugs, Mode of action
Mueller, M.; et al., 1979, Comp. Biochem. and Physiol., v. 64B (1), 97-100
Trichomonas foetus, Trichomonas vaginalis, Entamoeba invadens, effects of 2,4-dinitrophenol (including effect on accumulation of metronidazole)

Drugs, Mode of action
Leishmania braziliensis, L. donovani, pyrazolo (3,4-d)pyrimidines, metabolism, possible explanation for antileishmanial activity

Drugs, Mode of action
Trypanosomiasis, leishmaniasis, chemotherapy, review

Drugs, Mode of action
Toxocara canis, laboratory mouse, fenbendazole and oxendazole killed larvae in brains and musculature, migratory larvae more susceptible, possible use in preventing pre-natal infection in dogs

Drugs, Mode of action
Hypermelopsis diminuta in Tribolium confusum, mebendazole, effect on different developmental stages of cysticercoids

Drugs, Mode of action
Trichonomos foetus, Entamoeba invadens, effect of glycolysis inhibitors on uptake of metronidazole

Drugs, Mode of action
Schistosoma mansoni, mice treated with oxamnique vs. untreated mice, effects of drug on parasite migration and development in host

Drugs, Mode of action
Schistosoma mansoni, S. haematobium, humans, single or mixed infections including some patients passing S. mansoni eggs in urine, efficacy of metrifonate, results suggest that site of infection rather than species of parasite renders parasite more susceptible to metrifonate and may further clarify mode of action of metrifonate: Khartoum, Sudan

Drugs, Mode of action
4 helminth spp., comparison of phosphatases, effects of pH, various chemicals, and some anthelmintics on enzyme activity, anthelmintics may affect absorptive process in worms by virtue of their effect on phosphatase system at absorptive surfaces

Drugs, Mode of action
Pax, R.; Bennett, J. L.; and Fetterer, R., 1978, Arch. Pharmacol., v. 304 (3), 309-315
Schistosoma mansoni, S. japonicum, praziquantel and Ro 11-3128 produce rapid rise in tension of musculature, uptake studies of inorganic cations suggest that interference with inorganic ion transport mechanisms causes contraction of schistosome musculature

Drugs, Mode of action
Schistosoma mansoni, mice and hamsters treated with thiосanamine, evidence of suppression of parasite egg laying process

Drugs, Mode of action
Peroutka, M.; and Cihar, R., 1978, Apidologie, v. 9 (4), 291-304
Nosema apis in drones (exper.), effect of pollen, pharyngeal gland secretions, and pteridines (stimulation, inhibition, or no effect) on parasite reproduction

Drugs, Mode of action
Ascaris suum, variations in histamine content, effect of piperazine

Drugs, Mode of action
Trypanosoma cruzi in vivo and in vitro, benzimidazole, effect on growth and viability, aerobic and anaerobic respiration, and synthesis of protein, RNA, and DNA
Drugs, Mode of action
Fasciola hepatica, metabolic profile of adult flukes obtained from rafoxanide-treated sheep, concluded that mode of action of rafoxanide in vivo is by uncoupling oxidative phosphorylation

Drugs, Mode of action
Haemonchus contortus, Trichostrongylus colubriformis, sheep, Ostertagia ostertagi, cattle, 4 benzimidazoles, mode of action and pharmacokinetics, implications for prolonged administration as a new concept for increasing spectrum and effectiveness of anthelmintics

Drugs, Mode of action
Reiner, E.; et al., 1978, Comp. Biochem. and Physiol., v. 60C (2), 155-162
Metastrongylus apri, cholinesterase, kinetic properties with respect to substrate hydrolysis and inhibition by organophosphorus compounds

Drugs, Mode of action
Plasmodium falciparum in continuous culture, effects of pyrvinium and chloroquine on parasite growth and viability

Drugs, Mode of action
Rougemont, A.; et al., 1978, Compt. Rend. Soc. Biol., v. 172 (2), 397-402
Onchocerca volvulus microfilariae under the influence of diethylcarbamazine, ultrastructural observations

Drugs, Mode of action
Rusak, L. V.; and Kovchur, V. N., 1972, Parasitologia, Leningrad, v. 6 (1), 85-87
Hymenolepis nana, glycogen content in parasite tissues decreased after treatment of infected mice with aminocarbazine, phenasal, or trichlorophen, implications for mechanism of drug action

Drugs, Mode of action
Sanchez Moreno, M.; and Barrett, J. J., 1979, Parasitology, v. 78 (1), 1-5
Hymenolepis diminuta, adults, monoamine oxidase, occurrence and properties, inhibition by several anthelmintics

Drugs, Mode of action
Sanchez Moreno, M.; Monteleiva, M.; and Hermoso, R., 1978, Rev. Ther. Parasitol., v. 38 (1-2), 415-426
Ascaris lumbricoides, in vitro, anthelmintics and pesticides, effects on motility

Drugs, Mode of action
Ascaris lumbricoides has necessary mechanism for biosynthesis and degradation of phospholipids and triacylglycerols, piperazine decreases level of triacylglycerols of this parasite by stimulating activity of lipase and partially inhibiting activity of phosphatidate phosphatase

Drugs, Mode of action
Scheibel, L. W.; Adler, A.; and Trager, W., 1979, Proc. National Acad. Sc., v. 76 (10), 5203-5307
Plasmodium falciparum, antimalarial effects of tetraethylthiuram disulfide and its reduction product diethylthiocarbamate

Drugs, Mode of action
Schulman, N. D.; et al., 1979, J. Parasitol., v. 65 (4), 555-561
Fasciola hepatica, rats, 4-amino-6-trichloroethenyl-1,3-benzenedisulfonamide, pharmacokinetic basis for efficacy

Drugs, Mode of action
Boophilus microplus, larvae, 14C labeled amitraz, metabolism, only amitraz and N-2,4-dimethylphenyl-N'-methylformamidine (metabolite) toxic to larvae, piperonyl butoxide applied simultaneously with amitraz had slight effect on metabolism, three-fold synergistic effect; SKF 525-A similarly applied had negligible effect on both metabolism and toxicity to ticks

Drugs, Mode of action
Boophilus microplus, mechanisms of resistance of 2 strains to bromophos-ethyl

Drugs, Mode of action
Seed, J. L.; Boff, M.; and Bennett, J. L., 1978, J. Parasitol., v. 64 (2), 283-289
Schistosoma mansoni, phenol oxidase, biochemical method for detection (enzyme activity induced by in vitro incubation of schistosomes), enzyme properties and effects of various drugs upon its activity, appears to be associated with egg production and may serve as target for development of drugs, also as a useful marker for biochemical and immunological studies

Drugs, Mode of action
Seed, J. L.; Pratt, N. C.; and Bennett, J. L., 1979, Am. J. Trop. Med. and Hyg., v. 28 (3), 508-514
Schistosoma mansoni, mice, chronic administration of disulfiram in diet blocks formation of egg shell in female schistosomes, reduces host mortality, and decreases granuloma formation; these results however are rapidly reversible

Drugs, Mode of action
Senft, A. W.; and Crabtree, G. W., 1977, Biochem. Pharmacol., v. 26 (20), 1847-1856
Schistosoma mansoni, inhibition of adenine and guanine nucleotide synthesis by purine analogs in intact worms in vitro, implications in development of new anti-schistosomal drugs
Drugs, Mode of action
Dictyocaulus, sheep, divezid, nilverm, and cyazone, changes in lung tissue of sheep and some tissues of parasite resulting from drug action

Drugs, Mode of action
Crithidia oncopelti, acriflavine, effect on structure of kinetoplast, kinetoplast DNA, protein synthesis in kinetoplast and cytoplasmic ribosomes; suggests that information required for synthesis of kinetoplast ribosomes is contained in kinetoplasts

Drugs, Mode of action
Sims, P.; and Gutteridge, W. E., 1978, Biochem. Pharmacol., v. 27 (24), 2815-2820
Trypanosoma cruzi, inhibitory action of SQ18506 against nucleic acid synthesis

Drugs, Mode of action
Trypanosoma cruzi, mode of action of SQ18506 considered to be inhibition of nucleic acid synthesis

Drugs, Mode of action
Sinden, R. E.; and Smalley, M. E., 1979, Parasitology, v. 79 (2), 277-296
Plasmodium falciparum, modified microculture technique used as bioassay for various antimetabolites by examining their ability to inhibit gametocytogenesis; characterization of sexual cell-cycle

Drugs, Mode of action
Setaria cervi, in vitro, action of diethylcarbamazine on parasite spontaneous movement and glucose consumption

Drugs, Mode of action
Sinha, N.; Goswami, D. N.; and Das Gupta, N. N., 1978, Indian J. Biochem. & Biophys., v. 15 (3), 162-165
daunomycin, berenil, dielectric studies on interaction with DNA

Drugs, Mode of action
Smith, C. X. II; and Strout, R. G., 1979, Exp. Parasitol., v. 48 (3), 325-330
Eimeria tenella, accumulation and retention of lasalocid and narasin by extracellular sporozoites

Drugs, Mode of action
Leishmania donovani promastigotes, adenylsuccinate synthetase and adenylsuccinate synthase, purification properties, substrate and inhibitor specificities, selective amination of allopurinol ribonucleotide may be related to its antileishmanial activity

Drugs, Mode of action
Crithidia oncopelti, comparative study of ultrastructure, cultures differing in sensitivity to olivomycin; lipid drops in cytoplasm of resistant protozoa; nature of action of olivomycin on sensitive parasites

Drugs, Mode of action
Teel, P. D.; et al., 1978, Comp. Biochem. and Physiol., v. 61C (2), 297-300
Amblyomma maculatum feeding on fenthion-infused sheep, evidence of cholinergic neurotransmitter involvement in overall nervous control of ixodid tick salivary fluid secretion, principal cause of death in systemic organophosphate-poisoned ixodid ticks may be disruption of normal salivary gland function

Drugs, Mode of action
Hymenolepis nana and H. microstoma in mice, H. diminuta in rats, good results with praziquantel, in vivo mode of action (immobilization followed by paralysis)

Drugs, Mode of action
Verheugen, A.; et al., 1978, J. Parasitol., v. 64 (3), 411-425
Taenia taeniaeformis, mebendazole medication of infected mice induced drastic time-related changes on surface topography of mature cysticerci, difference in susceptibility towards the drug between scolex, pseudoproglottids, and bladder in relation to morphology of their microtrichous covering

Drugs, Mode of action
Plasmodium berghei berghei, mice, action of pyrimethamine and sulphormethoxine on pre-erythrocytic and sporogonous cycles

Drugs, Mode of action
Boophilus microplus and Haemaphysalis longicornis larvae, comparative toxicological and biochemical study of effects of coumaphos and coroxon in vitro
Drugs, Mode of action
Wang, C. C.; et al., 1979, Biochem. Pharmacol., v. 28 (15), 2240-2260
arprinocid inhibits hypoxanthine-guanine transport, may be mode of antischistocidal action

Drugs, Mode of action
Wang, C. C.; Simashkevich, P. M.; and Stotish, R. L., 1979, Biochem. Pharmacol., v. 28 (15), 2241-2248
Entamoeba tenella, mode of antischistocidal action of arprinocid

Drugs, Mode of action
Plasmodium berghei, effect of some metabolic inhibitors upon chloroquine-induced pigment clumping

Drugs, Mode of action
Warton, A.; and Modlinska, M., 1975, Acta Parasitol. Polon., v. 23 (1-11), 127-133
Trypanosoma spp., mice, rats, effect of acriflavine on dynamics of trypanosome population size and formation of dyskinetoplastic forms in host blood

Drugs, Mode of action
Schistosoma mansoni, 153C51-treated parasites, unlikely that interference with glucose uptake observed in vitro in male parasites could be primary cause of schistosome death or even of physiological distress in vivo

Drugs, Mode of action
Watts, S. D. M.; and Atkins, A. M., 1979, Biochem. Pharmacol., v. 28 (17), 2579-2584
effects of schistosomicide 1,7-bis(p-amino-phenoxo)heptane (153C51) on lysosomes and membrane stability

Drugs, Mode of action
Schistosoma mansoni, tegument pathology following chemotherapy with 153C51, lysosomal involvement (accumulation of inclusions with characteristics of residual lysosomes, changes in localization of acid phosphatase), immunological factors probably not involved

Drugs, Mode of action
Trypanosoma rhodesiense, ultrastructural alterations induced by treatment with DAPI (new diamidine trypanocide)

Drugs, Mode of action
trypanocidal activity of antitumor antibiotics and other metabolic inhibitors, microtest for rapid preliminary assay in vitro, parasite motility and infectivity for mice are indexes respectively of respiration and glycolysis and of cell division, implications of results for combination chemotherapy and deposit prophylaxis (with polyanions)

Drugs, Mode of action
Winkelmann, E.; Raether, W.; and Gebert, U., 1978, Arzneimittel-Forsch., v. 28 (10), 1682-1684
activity of 16 novel 5-nitroimidazoles against protozoa in mice and golden hamsters, compared with metronidazole and tinidazole, structure-activity relationships

Drugs, Mode of action
Woolhouse, N. M., 1979, Biochem. Pharmacol., v. 28 (16), 2413-2418
antischistosomal drugs, biochemical and pharmacological effects in relation to mode of action

Drugs, Mode of action
Zahner, H.; et al., 1978, Tropenmed. u. Parasitol., v. 29 (1), 15-26
Litomosoides carinii in Mastomys natalensis (exper.), effect of diethylcarbamazine against microfilareia in several organs; dynamics of cell adhesion, immobilization, and elimination of microfilareia

Drugs, Mode of action
Zalons, V. I.; et al., 1976, Khimiko-Farm. Zhurnal, v. 10 (11), 20-29
molecular mechanisms of action of some antischistocidal preparations, review

Drying. See Desiccation.

Dysentery
Beurier, J., 1974, Rev. Infirm. Afrique Noire (24), 5-15
Entamoeba histolytica, human amoebic dysentery, brief clinical review

Dysentery
E[ntamoeba] histolytica, analysis of syndromes considered as acute diarrheal diseases, differential diagnosis of amoebic dysentery from other forms of dysentery

Dysentery
acute amoebic dysentery tentatively diagnosed as caused by Acanthamoeba, 16-year-old-male, case report, successfully treated with metronidazole: India

Dysentery
swine dysentery, review (clinical and pathologic features, etiology, epizootiology, diagnosis, treatment)
SUBJECT HEADINGS

Ecdysis

Ear

Stephanofilaria stiltesi-infected cattle, pathomorphological changes in skin of the concha auriculæ

Ecdysis

Ascaris lumbricoides, A. suum, Toxocara canis, larvae, early ecdyses, 2 distinct cuticles at extremities, probably 2 ecdyses before eclosion, third stage as infective form, and 5 ecdyses in life cycle

Ecdysis

Birova, V.; and Calvo, A., 1979, Poeiana (191), 10 pp.
Strongyloides avium in Gallus gallus f. domestica, some aspects of life cycle: observation of molt in host; pattern of oviposition of parasitic female

Ecdysis

Phocanema decipiens, discontinuous feeding behavior during moulting cycle in culture

Ecdysis

Davey, K. G., 1979, Internat. J. Parasitol., v. 9 (2), 121-125
Phocanema decipiens, molting, role of water uptake: dynamics of water movement in nematode activated by exposure to juvenile hormone vs. that in unactivated nematode

Ecdysis

Delbecque, J. P.; Diehl, P. A.; and O'Connor, J. D., 1978, Experientia, v. 34 (10), 1379-1381
Amblyomma hebraeum, presence of ecdysone and ecdysterone in nymphs, supports hypothesis that in ticks ecdysteroids are involved in hormonal control of molting

Ecdysis

Brugia pahangi and other sheathed microfilariae, reproducible techniques for exsheathment in vitro under controlled conditions

Ecdysis

Brugia pahangi, B. malayi, development of artificially exsheathed microfilariae in cultures of mosquito cells

Ecdysis

Bovicola limbatis, 3rd instars, relationship between inhibition of ecdysis and time and quantity of ingestion of diflubenzuron (inhibitor of cuticle deposition), inhibition of ecdysis increased progressively as age of nymphs increased, timing of treatment important for control

Ecdysis

Argas arboresus, effect of blood meal weight on nymphal instar numbers

Ecdysis

Amblyomma maculatum, effect of host species on engorgement weight, time, and success, molted weight, molted adult dimensions, and percentage of molting success, engorgement time and success were host-species dependent

Ecdysis

Ascaris lumbricoides, A. suum, early stages of development in egg comprised two molts, both were initiated within egg but time of completion of 2nd molt varied considerably and in some instances was not completed until larvae reached liver of exper. infected animals

Ecdysis

Brugia pahangi, observation of erythrocytes attached to sheathed microfilariae but never to cast sheaths or exsheathed worms, mechanism of attachment and function unknown but accumulation of erythrocytes along sheath may give additional rigidity to sheath thus allowing microfilaria to swim free of it

Ecdysis

Sacculina granifera infections of Portunus pelagicus, prevalence, host age and sex, seasonal distribution, influence of parasite upon host: morphological and behavioural modifications, inhibited moulting, male sterility: Moreton Bay, Queensland

Ecdysis

Haemonchus contortus, leucine aminopeptidase in exsheathing fluid of North American and Australian juveniles, results support view that this enzyme is produced by juveniles and is concerned in exsheathment

Ecdysis

Rogers, W. P.; and Brooks, F., 1978, Internat. J. Parasitol., v. 8 (6), 449-452
Haemonchus contortus, relative levels of exsheathing and leucine aminopeptidase (LAP) activity in different preparations, effect of purifying LAP in exsheathing fluid on biological activity, concluded that LAP cannot be sole agent involved in exsheathment

Ecdysis

Amblyomma americanum adults, molting time, overwintering survival, and longevity in selected woodlots: Cherokee Co., Oklahoma

Ecdysis

Siddiqi, M. N.; and Meervitch, E., 1977, Pakistan J. Zool., v. 9 (1), 51-57
Trichinella spiralis, 3 newly isolated strains compared with classical strain during intestinal phase of infection in rats (moulting pattern, % recovery of adult worms, their size and sex ratio), significantly smaller size of worms in 3 new strains, inhibition of development expressed by host resistance as one of several possible causes
Ecology
Ixodes persulcatus, mating and fertilization in relation to age and moultng

Ecology
blood-sucking arthropods, including some ticks and fleas, changes in fauna and quantity connected with industrial and agricultural development of environment, review: USSR

Ecology
parasite fauna of Perca fluviatilis, host specificity, comparison with different localities in British Isles, factors affecting composition: Llyn Tegid, Wales

Ecology
Neomesomeris flumenalis in Simuliidae, spatial and temporal differences in rates of infection, temporal and (parasite) sex differences in emergence pattern of postparasites

Ecology
Maritrema misenensis, ecological conditions required for life cycle, different intermediate hosts, relation vs. marine habitat, method of infestation of second intermediate host, variation in parasitism of second intermediate host in relation to season and age of host: region de Brusé, Provence, France

Ecology
Bejsovec, J., 1975, Ang. Parasitol., v. 16 (2), 67-74
helminths and coccidia, possible transmission between domestic and wild gallinaceous birds, influence of change in biotopes due to shift from small to large-scale agricultural production: Czechoslovakia

Ecology
Bejsovec, J., 1976, Ang. Parasitol., v. 17 (4), 190-207
Syngamus trachea in domestic and free-living birds, influence of ecological factors on occurrence and seasonal dynamics with particular attention to effect of large-scale farming: Czechoslovakia

Ecology
Eimeria phasiani and E. colchici in Phasianus colchicus, dynamics of incidence dependent upon host biotope, host movements, season, temperature, and humidity: Mittelbohmen

Ecology
Bennett, G. F.; Cameron, M.; and White, F., 1975, Canad. J. Zool., v. 53 (10), 1432-1442
hematozoa of passeriforms, prevalence, effect of climate, application of insecticide, and large-scale environmental alteration: New Brunswick

Ecology
Ixodidae, 4 types of "life schemes" distinguished on basis of ecological and life cycle studies

Ecology
Betterton, C., 1979, Internat. J. Parasitol., v. 9 (4), 313-320
intestinal helminths of small mammals, patterns of parasitism with respect to host ecology: Peninsular Malaysia

Ecology
discussion on environmental implications of water development for developing countries: possibility of decreased human parasitism by improving potable water and by reducing human contacts with vectors of water-borne or water-based infections, also possibility of spread of parasitism through development of irrigation canals

Ecology
Ornithomyia avicularia on birds, host size, age, habitat, and colonial vs. solitary habit, seasonal dynamics; possible role in circulation of virus of tick-borne encephalitis: Middle Povolzh'e

Ecology
copepods of Menidia spp., incidence, intensity, host-parasite interactions with emphasis on effect of host size, season, habitat, inter- and intraspecific parasite competition on host

Ecology
present trends in development of methodologies for parasite control with regard to environmental protection

Ecology
Buck, A. A.; et al., 1978, Tropenmed. u. Parasitol., v. 29 (1), 61-76
human poly-parasitism, epidemiological and ecological features, occurrence, frequency, and distribution of multiple infections in rural communities, age and sex patterns: Chad; Peru; Afghanistan; Zaire

Ecology
Ostertagia circumcincta, ecology of free-living stages, development and survival on herbage and soil: western Victoria, Australia
Ecology
Trichostrongylus axei, ecology of free-living stages: development and survival of eggs and larvae, corresponding meteorological data: Pastoral Research Institute, Hamilton, Victoria, Australia

Ecology
Trichostrongylus vitrinus, development and survival of free-living stages, some corresponding meteorological data: western Victoria, Australia

Ecology
Naegleria fowleri, human amoebic meningoencephalitis, water pollution as major source of infection, epidemiology, prevention and control, review

Ecology

Ecology

Ecology
Craig, T. M.; and Bell, R. R., 1978, J. Am. Vet. Med. Ass., v. 173 (1), 104-107 Fasciola hepatica, Fascioloides magna, seasonal transmission to cattle pastured in 2 ecologically dissimilar areas of Texas, drug treatment in late summer, especially of young cattle, may considerably reduce Fasciola hepatica in small vectors, while control of Fascioloides magna is not considered practicable at present time

Ecology

Ecology
Dunbar, J. R.; and Moore, J. D., 1979, J. Tennessee Acad. Sc., v. 54 (5), 100-109 helminths of plethodontid salamanders, host specificity correlated with host habitat: Horse Cove area, Washington County, Tennessee

Ecology

Ecology

Ecology

Ecology
Esch, G. W.; Gibbons, J. W.; and Bourque, J. E., 1979, J. Parasitol., v. 65 (4), 633-638 enteric helminths in Chrysemys s. scripta from variety of habitats, species diversity and mean number of parasite species per host, relationship of various fish history strategies of helmint parasites and predictability (or stability) of local environmental conditions: Savannah River Plant, near Aiken, South Carolina

Ecology

Ecology
Fadzil, M., 1977, Vet.-Med. Nachr. (1), 44-52 Stephanofilaria kaeli, cattle, incidence in different ecological areas, role of Staphylococcus aureus and S. albus in setting up the inflammation; neguvon: malaysischen Halbinsel

Ecology
Fadzil, M., 1977, Vet. Med. Rev. (1), 44-52 Stephanofilaria kaeli in cattle, prevalence, temperature and humidity in endemic areas favor vectors, Staphylococcus play important role in setting up inflammation, treatment with neguvon gave excellent results: west coast of Peninsular Malaysia

Ecology
Filippova, N. A., 1971, Parazitologija, Leningrad, v. 5 (5), 385-391 Ixodes pavlovskiy, I. persulcatus, distribution, characteristics of distribution areas with respect to their paleogenesis: USSR

Ecology

Ecology
Gagarin, V. G., 1979, Ekologija, Sverdlovsk (1), 69-75 nematodes, 4 ecological groups (hydrobiont, saprobiont, phytohelminth, zoohelminth), typical morphophysiological traits
Ecology
Goff, M. L., 1979, Pacific Insects, v. 20 (4), 521-553
chiggers infesting land mammals, host and habitat relationships, parasites (attachment site on host body): Papua New Guinea

Ecology
larvae of Chironomus plumosus parasitized by merithrid identified as very likely Octomyoritrus itascensis with subsequent colonization by bacteria, fungi, and ciliated protozoa, role of parasites and saprophytic microorganisms in population control of chironomids and in decomposition of complex organic matter in benthic environment: Lake Ontario

Ecology
Ixodes ricinus, ecology, comparison of 2 methods of population assessment (blanket dragging and counts on sheep), seasonal activity appears to be independent of weather; no correlation between tick activity and redwater fever, strong correlation between redwater fever incidence and air temperature: Co. Wicklow, Ireland

Ecology
Gutke,ov A.; and Zmoray, I., 1979, Biologia, Bratislava, s. B, Zool. (1), v. 34 (2), 97-105
Nematodirus filicollis, ultrastructure of body wall and intestine, influence of ecological factors on morphogenesis, phylegetic aspects

Ecology
Fasciola hepatica, Trienophorus nodulosus, embryos, in vitro effects of pesticides Vapam and Lebaycid, implications for effects of environmental pollution on structure of ecosystems

Ecology
Hippobosca equina, ecological studies on host preference, seasonal abundance, adult habits, effect of host sex and colour on attraction of flies, mating behaviour, distribution on host body, sex ratio, breeding season: El-Aziziya village, El-Faiyum governate, Egypt

Ecology
Hazan, T. C.; and Esch, G. W., 1978, J. Fish Biol., v. 12 (5), 411-420
Clino stomum marginatum in Micropterus salmoides, infection percentages compared in thermal and ambient parts of a reservoir, relationship to body condition and length of host, seasonal changes: Par Pond, near Aiken, South Carolina

Ecology
Fasciola hepatica, calves, Galba truncatula, epizootiology (ameliorated and unameliorated pastures, population density of G. truncatula, soil structure, vegetation, hydrological and climatic factors); importance of melioration for complex fascioliasis control program: Potsdam, East Germany

Ecology
helminths of voles, ecology, age and sex of host, seasonal changes: Zopporo National Forest, east of Sapporo, Hokkaido, Japan

Ecology
Jackson, J. A.; and Nickol, B. B., 1979, J. Parasitol., v. 65 (1), 167-169
Mediorhynchus centurorum, host specificity for Melanerpes carolinus is thought to result from differences in nesting sites, nest sanitation, foraging behavior, and food items among woodpeckers: Louisiana

Ecology
Uncinaria stenocephala, dogs, prevalence in kennels influenced by host age, bionomics, epidemiology, review: United Kingdom

Ecology
avian and mammalian fleas, analysis of exchange of habitats

Ecology
fleas, ecological factors contributing to suitability of individual bird species as hosts

Ecology
helminths of freshwater fish, list of species and hosts, brief analysis by ecological groups: Kol'skii peninsula, USSR

Ecology
Kearn, G. C.; [1979], J. Parasitol., v. 64 (6), 1978, 1129-1130
Pseudoleptobothrium aplatychotremae on skin of Aptychotrema hanksi in seawater tank was preyed upon by other fish in tank

Ecology
fleas of Mustela nivalis, seasonal distribution, host specificity, origin of fleas on host: Wytham Woods, near Oxford

Ecology
Kisielawska, K., 1978, Kosmos, Warsaw (154), 4, 195-205
ecological parasitology, relationships among host, parasite, and environment, terminology, methods of study, various international programs, extensive review

Ecology
burrow microbioecosystems of Rhombomys opimus, taxonomic and ecological groups of arthropods: northern Kyzylkum, Kyzylordinsk oblast, Kazakh SSR

Ecology
Konovalov, S. M.; Shevliakov, A. G.; and Krasin, V. K., 1979, Parazitologiia, Leningrad, v. 4 (6), 547-556
parasite fauna of various groups of young Oncorhynchus nerka, comparative analysis reveals 3 ecological groups: Lake Azabach'e, Kamchatka river basin
SUBJECT HEADINGS

Ecology

Ecology

Amphipsylla rossica, ecology, field and laboratory studies: feeding, reproduction, development, survival, and longevity under various conditions of temperature and humidity; age composition and physiological state of populations in different months; abundance on Microtus arvalis and in its nests and burrow entrances in different months: Transcaucasian highlands

Ecology

Paramphistomum cervi, cattle, incidence in 3 different pasture areas in North Germany, presence of mature cercariae in Planorbis planorbis and Anisus vortex in spring suggests that parasite overwinters in the snails

Ecology

Trichobius corynorhini on hibernating Peromyscus townsendii, parasite distribution on host, frequency and levels of infestation in relation to host density and clustering behavior and sex, value of these adaptations

Ecology
Lamotte, G.; et al., 1978, Ann. Parasitol., v. 53 (1), 33-45

Leishmaniasis, analysis of canine enzootic, sampling methods, relationship between prevalence and density of sandfly vector, phyto-ecologic map: France

Ecology

parasites of Rattus r. diardi, influence of human habitats on rat parasite fauna: Kuala Lumpur and nearby villages

Ecology

Epistylis [sp.], fishes, host specificity, intensity of infestation, attachment site, factors affecting prevalence (host length, water quality, season): North Carolina

Ecology

Cuterebra sp., differential parasitism of sympatric Peromyscus maniculatus and P. truei may be due to host specificity, differential parasitism of P. maniculatus may be due to habitat selection: Nevada

Ecology

nematodes of fishes, ecological-faunistic analysis, families and feeding habits of fishes, host specificity, review: Caspian Sea

Ecology
Loose, L. D.; et al., 1978, Infect. and Immun., v. 20 (1), 30-35

polychlorinated biphenyl- and hexachlorobenzene-treated mice, impaired resistance to bacterial endotoxin and to Plasmodium berghei, data indicate that environmental chemicals impair host resistance and that the alteration may be related to presence of the chemicals in the lymphoreticular organs

Ecology
ecological studies of parasites of Pleuro-nectes platessa and Platichthys flesus: Scotland

Ecology

ixodid ticks of wild animals and cattle, anomalous infestation patterns in 3 ecologically different areas, seasonal distribution: Zambia

Ecology
Makovenko, E. T., 1972, Parazitologiia, Leningrad, v. 6 (4), 369-375

Salvelinus alpinus inhabiting different ecological niches, possible use of differences in parasite fauna between groups as biological tags: Lake Azabach'e, Kamchatka

Ecology
Mally, D., 1979, J. Nematol., v. 11 (4), 321-328

Mesomeris camdenensis n. sp., life cycle, bionomics

Ecology

ecological studies of parasites of Pleuro-nectes platessa and Platichthys flesus: Scotland

Ecology
Mills, C. A., 1979, Internat. J. Parasitol., v. 9 (6), 603-608

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Ecology
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Sinergasilus lieni, life cycle and biology: description of developmental stages, rate of development, duration of life, numbers of generations, incidence and intensity on fish hosts, effect of temperature and hydrochemical conditions: Moskovsk oblast; Krasnodarsk kraia

Ecology
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Trombiculidae, numbers and specific variety in foothill, mountain, and alpine zones compared: Caucasus Minor, Azerbaidzhan
Ecology
children with syndrome of enlarged parotids, localized forehead edema, heavy infestation
with Ascaris lumbricoides, and unusual freedom from malaria, piperazine treatment of ascariasis resulted in attacks of malaria. Suppression of malaria may be nutritional consequence of severe ascariasis and may represent ecological balance for optimum co-survival of host and two parasites: Anjouan, Comoro archipelago

Ecology
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Ecology
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Ecology
Ornhjelg Christensen, N.; Frandsen, F.; and Nansen, F., 1979, Ztschr. Parasitenk., v. 59 (3), 267-275
Schistosoma mansoni cercariae, mice, host-penetrative capacity under selected environmental exposure conditions and in relation to some parasite- and final-host-related factors

Ecology
Okulova, N. M., 1978, Ekologiya, Siberian, (2), 44-48
ixodid ticks, vertical and horizontal movements in forest conditions, dependent upon air temperature and humidity

Ecology
gamaid mites, distribution, landscape and habitat adaptation, host relationships, seasonal dynamics: Chuisk valley, Kirgiz SSR

Ecology
[Eurytrema sp.] metacercariae, infection of grasshoppers on pastures in various ecological zones: southwestern Kazakhstan

Ecology
helminth fauna of Canis latrans, low similarity with those from other geographic regions in North America, associations between pairs of species in terms of frequency of occurrence, mean levels of infection in presence or absence of other species, host age and sex effects: West Texas

Ecology
Protopenpian, M. G.; et al., 1975, Parazitologiya, Leningrad, v. 9 (2), 165-174
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Ecology
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Cephenemyia spp. on Odocoileus virginianus, prevalence and numbers, seasonal distribution, age and sex of host, habitat: Welder Refuge, San Patricio County, south Texas

Ecology
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parasites and commensals (Oligochaeta and larval Digenea) of Physa gyrina in control area vs. area affected by thermal effluents, prevalence, seasonal changes, interactions (including ingestion of cercariae by oligochaete), ecological model: Lake Wabamun, Alberta

Ecology
Liguatula serrata, domestic animals, survey, highest intensity of invasion in mountainous areas, seasonal distribution, absence of infection in young animals, control measures: Jordan

Ecology
Filaria ta, ecological relationships of intermediate and definitive hosts, review

Ecology
sucking lice on small rodents, infestation in relation to type of forest, host age and sex, and season: Crimean mountains

Ecology
Sosnina, E. F.; and Davydov, G. S., 1975, Parazitologiiia, Leningrad, v. 9 (2), 183-189
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Ecology
Brugia malayi, human, decrease in filariasis with development of irrigation system and conversion of swamps into rice-fields, reduced breeding sites for Mansonia: Kresek, West Java, Indonesia

Ecology
Fasciola hepatica, stimulatory effect of pesticides on invasive activity of miracidia and on asexual reproduction of larvae in Lymnaea tomentosa snails

Ecology
Microphallus pygmaeus and Cercaria parvicaudata in Littorina saxatilis, intensity and extent of infection by sex and size of host, and month; host reproductive capacity; experimental infection in mice: Gull Island, Witless Bay and Newman's Sound, Newfoundland

Ecology
Parasitology, wild mammals, systematics, ecological-geographic analysis, monograph: Central Asia

Ecology
Tiphlovia n. gen., taxonomy, convergent evolution, zoogeography and ecology

Ecology
Rhipicephalus appendiculatus, temperature, humidity, and vegetation, effects on development and survival

Ecology
Paradoxopsyllus scorodumovi parasitizing Ochotona princeps in plague focus, ecology: seasonal distribution, abundance on animals, in nests, and in burrow entrances, age and sex composition of populations, high alimentary activity: Gorno-Altai

Ecology
Ornithodoros tartakovskyi, numbers in burrows of various animals, determining ecological factors: southern Tadzhikistan

Ecology
Tetranychus urticae, fish more susceptible when exposed to phenol or polychloropene (toxic water pollutants)

Ecology
Wang, K., 1961, Tung Wu Hsueh Pao (Acta Zoologica Sinica), v. 15 (1-4), 154-170
Argulus spp., key, ecology and life history

Ecology
Trypanosoma cruzi, ecological survey of triatomine vectors disclosed close association of Rhodnius pallescens and Triatoma dimidiata with widely distributed palm tree species; Didelphis marsupialis, Tamandua tetradactyla, and Proechimys semispinosus seem to be principal animal reservoirs: Panama

Ecology
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Acanthobothrium, taxonomy, host-specificity, ecology, biology, host-parasite list
Ecology
Fasciola hepatica in Lymnaea truncatula, curvilinear relationship between miracidial density and snail density as manifested by successful establishment of an infection in snail host, level of parasitization not related exponentially to temperature, depth of free water overlying mud surface was absolute requirement for miracidia to successfully infect snails

Ecology
chiggers, host-parasite relationships, and ecological preferences: Douglas Lake region, northern Michigan

Ecology
Zolotov, P. E.; et al., 1974, Parasitologija, Leningrad, v. 8 (2), 116-122
Ixodes persulcatus, I. ricinus, ecology, seasonal activity: Leningrad oblast

Ecology
ectoparasites found in uninhabited tree holes, possible places of contact with hosts: focus of tick-borne encephalitis in Prednialk

Ecology, Populations
regulation of host population growth by parasitic species

Ecology, Populations
Anderson, R. M., 1978, Parasitology, v. 77 (2), 201-224
small infection by miracidia, population framework and Basic Model, rate of infection, infective stage density, host density, role of chance, miracidial mortality and age-dependent infectivity, heterogeneity between snails with respect to susceptibility and 'attractiveness'

Ecology, Populations
population models of host-parasite interactions, role of parasite in regulating host population growth

Ecology, Populations
parasitic infections as regulators of host populations, mathematical models

Ecology, Populations
Transversotrema patialense infections in Brachydano cerio, overdispersion in distribution of successful infections/host can be generated within laboratory infection arenas, degree of over-dispersion or aggregation of parasites within host population increases as both infective-stage density and time of exposure to infection increases, stochastic simulation studies demonstrate that heterogeneity in host susceptibility to infection is probable generative cause of such patterns, variability in host susceptibility is most probably generated by differences in behavior

Ecology, Populations
Haemoproteus, Plasmodium, and hippoboscid ectoparasites of Zenaidia auriculata, cauca, infection patterns and dove population dynamics, seasonal prevalence: Cauca River valley, Colombia

Ecology, Populations
Minchinia chitonias-infected molluscs, Lepidochitona cinerea, host growth and population structure, infection caused enhanced growth and deviation from normal growth curve: Easthaven, Scotland

Ecology, Populations
Beck, J. T., 1979, Parasitology, v. 79 (3), 431-449
Protopsyrus pandalica-infected Palaemonetes paulus, distribution, infection levels by site and season and by host sex and size, parasite burden, regulation of host-parasite (parasitic castrator) interactions: Florida

Ecology, Populations
Betterson, C., 1979, Malayan Nature J., v. 32 (3-4), 271-279
Transversotrema patialense, incidence in fish and snails, size of host, ecology, cerebrospinal productivity of Melanoides tuberculata: Sungai Bayan Lepas, Penang, Malaysia

Ecology, Populations
Anisakis simplex in Salmo salar, parasite population genetics (acid phosphatase phenotypes), use as biological indicators of host stocks: Atlantic Ocean

Ecology, Populations
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ecometry of nest parasites of birds with emphasis on Dermapyssus hirundinis, Ceratophylus gallinae, and Carnus haemapterus, seasonal changes in population, adaptation of life cycles to host life cycles: Tatar ASSR

Ecology, Populations
Boxrucker, J. C., 1979, Parasitology, v. 78 (2), 195-206
metazoan parasites of Ictalurus melas, seasonal incidence and abundance in thermal outfall area vs. unaltered area, thermal effluent had little effect on incidence, differences in abundance are considered due to factors other than temperature: Lake Monona, Dane County, Wisconsin

Ecology, Populations
van den Broek, W. L. F., 1979, J. Fish Biol., v. 14 (4), 395-402
Cryptocotyle lingua, incidence and intensity of infection, seasonal levels of infection prove useful indicators to migratory movements of individual fish populations, localization, host age: Medway Estuary, Kent

Ecology, Populations
Buettiker, W.; and Lewis, D. J., 1979, Tropenmed. u. Parasitol., v. 30 (2), 220-229
Leishmania tropica, ecological studies of human dermal leishmaniasis epidemic, correlated with survey for possible Phlebotomus vectors and reservoir hosts: Hofuf, Eastern Saudi Arabia
Ecology, Populations
Aponomma hydrosauri, dispersal distance measured by host movement, tests with paint-marked and radio-marked Trachydosaurus rugosus: near Tickera, Yorke Peninsula, South Australia

Ecology, Populations
Aponomma hydrosauri on Trachydosaurus rugosus, infestation levels and patterns, model proposed relating tick distribution pattern to particular problems of finding a host: near Tickera, South Australia

Ecology, Populations
Aponomma hydrosauri, esterase polymorphism controlled by 2 alleles at single locus, geographical distribution of allele frequencies, implication for population structure: upper Yorke Peninsula and Murray Mallee district, South Australia

Ecology, Populations
Tylocephalus clavata and Diplostomum spathaceum in roach, rudd, and roach/rudd hybrids, population biology, seasonal changes in incidence, intensity of infection, and frequency distribution, relationship of infection to fish size (age)

Ecology, Populations
Butter, M. E., 1979, Bijdr. Dierk., Amsterdam, v. 48 (2), 141-155
Corallonoxia longicauda in Meandrina mean-drites, occurrence and infestation rates in relation to depth, colony size, and environmental factors, parasite morphology, age of parasite and host, spatial distribution of parasite within colony, limited effect of parasite on host: S. W. and N. E. coasts of Curacao, Netherlands Antilles

Ecology, Populations
Syringophiloides minor, population development in juvenile and nuptial plumes of Passer domesticus, winter dispersal, dispersal into unoccupied coverts of adult birds not observed, effect of dispersal on population composition, population dynamics in the 2 plumages

Ecology, Populations
Congeneric parasite species coexisting in same host species, evolutionary and ecological considerations

Ecology, Populations
Crossland, N. O., 1977, Advances Drug Research., v. 12, 53-88
Fasciola, Schistosoma, mammals, life cycles, relation between parasite numbers and effects of disease, use of incidence and prevalence data to estimate efficiency of control programmes, host and parasite population dynamics, mathematical models, integration of control methods

Ecology, Populations
Mytilicola intestinalis in Mytilus edulis, population dynamics, parasite maturation and breeding, seasonal variation, mortality, environmental temperatures are believed to control parasite developmental cycle: Lynher River, Cornwall, England

Ecology, Populations
Davis, J. R.; and Huffman, D. G., 1978, Texas J. Sc., v. 30 (1), 43-53
Helminths of Gambusia affinis from ecologically different habitats, variation with habitat, season, and host size: near San Marcos, Texas

Ecology, Populations
Demodex longissimus n. sp., D. malosii sp. n., life cycle, population dynamics, and pathology in bats

Ecology, Populations
Haematoloechus coloradensis, population dynamics in various hosts, incidence and intensity of infection according to host age, seasonal periodicity, life cycle efficiency: ponds in Sierra Co., New Mexico

Ecology, Populations
Dutta, H. M.; and Dutta, A. K., 1978, Social Sc. and Med., v. 12 (2D), 69-84
Malaria ecology, a global perspective, extensive review

Ecology, Populations
Ixodes angustus, I. pacificus, and I. sordicis from coastal and valley forest habitats, abundance, seasonal occurrence, host specificity, site of attachment on hosts, environmental influences on tick populations: western Oregon

Ecology, Populations
Esch, G. W.; Gibbons, J. W.; and Bourque, J. E., 1979, J. Parasit., v. 65 (4), 635-638
Enteric helminths in Chrysemys scripta from variety of habitats, species diversity and mean number of parasite species per host, relationship of various life history strategies of helminth parasites and predictability (or stability) of local environmental conditions: Savannah River Plant, near Aiken, South Carolina

Ecology, Populations
Evelingh, E. S.; and Threlfall, W., 1976, Canad. J. Zool., v. 54 (10), 1694-1711
Mallophaga on Alcidae, prevalence and intensity, seasonal and annual data, burdens of adult hosts vs. chicks, distribution on host, louse population structure: Newfoundland

Ecology, Populations
Forattini, O. P.; et al., 1979, Rev. Saúde Pub., S. Paulo, v. 13 (2), 123-146
Trypanosoma cruzi, epidemiological and ecological aspects in intensive agricultural and cattle breeding region, environmental changes seem to have favored Triatominae by increasing available ecotopes: municipio de Guaira, Brasil
Ecology, Populations

Freeman, R. S.; and Thompson, P. H., 1969, J. Fish. Research Bd. Canada, v. 26 (4), 871-878
Diphyllobothrium sp., incidence of plerocercoids in Salvelinus namaycush, % of fish eating plankton, forage fish present, implications for route of transmission: Algonquin Park lakes, Canada

Ecology, Populations

Obeliscoides cunicullus in Lepus americanus (stomachs), seasonal prevalences of immature vs. mature nematodes in male vs. female hosts: area of East Corinth, Maine

Ecology, Populations

Mechanisms of natural regulation of parasitic helminth populations: western Utah

Ecology, Populations

Hair, J. D.; and Holmes, J. C., 1975, Acta Parasitol. Polon., v. 23 (12-25), 253-269
Usefulness of measures of diversity, niche width, and niche overlap in analysis of helminth communities in waterfowl, data suggest hypothesis that intestinal helminth fauna of Aythyta affinis (particularly hymenolepids) is composed of chance combination of ecological specialists whose microhabitats and populations are determined in part by inter-specific interactions

Ecology, Populations

Ornithonyssus sylviarum, commercial laying hens, higher populations of mites on birds caged alone, importance as survey tool in pest management programs

Ecology, Populations

Gill parasites of Lepomis gibbosus, role of season, habitat, host age, and sex: Ontario, Canada

Ecology, Populations

Gill parasites of Ambloplites rupestris, role of season, habitat, host age, and sex: Bay of Quinte, and West Lake, Ontario

Ecology, Populations

Healy, J. A., 1979, Parasitology, v. 78 (1), 7-17
Ixodes ricinus, samples from several Irish localities and from spring and autumn ticks collected in one area, detection by electrophoresis of very high allelic variation at locus coding for phosphoglucomutase, allele frequency patterns, both spatial and temporal genetic differentiation exist, possible use of this polymorphism in population and taxonomic studies, possible adaptive significance of polymorphism in autecology of parasite

Ecology, Populations

Healy, J. A., 1979, Genetica, v. 50 (1), 19-30
Ixodes ricinus, polymorphism at α-glucero-phosphate dehydrogenase locus detected by electrophoresis, allele and genotype frequency patterns in natural tick populations, physiological and behavioral correlates of alternate genotypes (susceptibility to desiccation, locomotory efficiency), sex and locality differences, results provide evidence that polymorphism serves adaptive function and suggest factors that may be involved in selective maintenance of variability in natural populations: Ireland

Ecology, Populations

Diphyllobothrium dendriticum and N. nitratrum in Salvelinus alpinus, intensity of infection and length distribution of plerocercoid populations, seasonal variation, Cyclops scutifer proposed as main 1st intermediate host, potential final hosts: Lake Bjellojaure, Sweden

Ecology, Populations

Histomonas meleagridis-infected turkeys, dynamics of protozoan population density, plasma glutamic oxalacetic transaminase, plasma bilirubin concentration, relationship to clinical symptoms

Ecology, Populations

Necator americanus, Ankylostoma duodenale, life history data compiled and then analyzed in light of 2 ecological theories (r and K selection; body size and energy constraints on reproduction), implications that different reproductive strategies in 2 sympatric parasites have for epidemiological parasitology, value of population ecology in epidemiological investigations

Ecology, Populations

Holmes, J. C., 1979, Host-Parasite Interfaces, 27-46
Helminth parasite populations and host community structure, theoretical review

Ecology, Populations

Ectoparasites, free-ranging livestock, seasonal infestation rates, influence of climatic factors on parasite population patterns:Nsukka, Nigeria

Ecology, Populations

Analogoloeidae mites on turdird birds, occurrence during host spring and autumn migrations, incidence, intensity, distribution on wings, population structure (sex ratios, developmental stages), host specificity, simultaneous infections: Poland
SUBJECT HEADINGS

Ecology, Populations
disease and physiologic characteristics of cottontail rabbits in 2 study areas in relation to population density, includes data on seasonal and sex differences: Virginia

Ecology, Populations
Jarroll, E. L., jr., 1979, Parasitology, v. 79 (2), 183-193
Bothriocereus rarus, natural and experimental infections of copepod intermediate hosts, distribution and abundance in adult and larval Notopothyhalus viridisescens, parasite recruitment by N. viridisescens, seasonal cycles in population structure, intensity of infection, maturation, and reproduction, effect of temperature on egg development

Ecology, Populations
Johnsen, B. O., 1978, Astarte, v. 11 (1), 7-9
Gyrodactylus salaris in Salmo salar, heavy mortality, unfavorable environmental conditions weaken fish and lead to parasite attack: river Lakselva, Misvaer, northern Norway

Ecology, Populations
Kaya, H. K.; and Moon, R. G., 1978, J. Nematol., v. 10 (4), 335-341
Heterotylenchus autumnalis in Musca autumnalis, occurrence, within-pasture distribution of nematode and its host, frequency of nematodes within male and female hosts, effect of nematode on host (sterility, differential feeding behavior of infected and uninfected males of different age classes), seasonal population dynamics of nematode and host: northern California

Ecology, Populations
helminths of British freshwater fish, population biology: the systems approach; distribution of parasites in the fish population; intermediate host-parasite systems; definitive host-parasite systems (life span and maturation cycle, population changes under their controlling factors, species exhibiting and not exhibiting seasonal cycles in incidence)

Ecology, Populations
parasite fauna of Salvelinus alpinus, comparison of species composition, number, diversity, and equitability in lakes on Norwegian mainland and its offshore Arctic islands, results do not agree well with predictions of island biogeographical theory

Ecology, Populations
Kordery, A. E.; and Anderson, R. M., 1979, Parasitology, v. 79 (2), 195-207
Hymenolepis diminuta, dynamics of transmission by Tribolium confusum: age-dependent infectivity of eggs, influence of infective-stage density on rate of parasite establishment, density-dependent constraints, limitations on rate of acquisition of infection imposed by host feeding behavior, dynamics of ingestion of eggs by host, influence of spatial distribution of infective stages on infection

Ecology, Populations
Ixodes persulcatus population, middle scale spatial structure, statistical treatment of transept estimates, distribution in relation to vegetation and landscape: Middle Sikhote-Alin

Ecology, Populations
intestinal helminths of Clethrionomys glareolus, structure and seasonal dynamics of helminth groupings in a host population: Bialowieza National Park, Poland

Ecology, Populations
introduction of Clethrionomys glareolus with their parasites from Bialowieza National Park (BNP) onto island of Lake Beldany, process of development and spreading of new parasite fauna formed by introduced helminth species in island biocoenosis and its new vole population, comparison of qualitative and quantitative structure of helminth groupings with that in the original BNP vole population: Poland

Ecology, Populations
intestinal helminths of Clethrionomys glareolus, inter-specific relationships within one host individual (antagonistic, indifferent, beneficial), seasonal variations: Poland

Ecology, Populations
Ixodes persulcatus, example of biogeoreological structure of species, hierarchical system, suggested units ranking from species down to population, geographic distribution to isolate all these categories

Ecology, Populations
Ixodes persulcatus, spatial structure and abundance, of populations, long term studies: Kirovsk oblast; Udmurtsk ASSR
Ecology, Populations
Kraftsir, E. S.; and Hightower, B. G., 1979, J. Med. Entom., v. 16 (1), 33-42
Cochliomyia hominivorax, field tests of sterile males against natural populations, population dynamics, responses of previously challenged and unchallenged populations, comparison of 2 released strains: coastal areas of Mexico

Ecology, Populations
Intestinal helminths, Microtus arvalis, fecal examination, Fulleborn flotation method evaluated under field conditions, useful in helminth population dynamics, not in diagnosis

Ecology, Populations
Kritsky, D. C.; and Leiby, P. D., 1978, J. Parasitol., v. 64 (4), 625-634
Echinococcus multilocularis, factors influencing prevalence in Vulpes vulpes from 1965-1972: effects of collection interval (sampling year), climatic season, age and sex of host, geographic region, interactions between these variables, and definitive host prevalence and density: North Dakota

Ecology, Populations
Triaenophorus nodulosus in Perca flavescens, life history, description of cyst, plerocercoid, and invasive stages, annual incidence and intensity of infection, relationship of host size to infection, dynamics of infection: Heming Lake, Manitoba

Ecology, Populations
Lehnert, T.; and Shimakami, H., 1979, Apidologie, v. 10 (1), 17-22
Nosema apis, package bees, population change and spore levels in older vs. newly emerged bees, much of disease eliminated with death of older bees, effect of feeding fumagillin at time packages are installed

Ecology, Populations
Lopukhina, A. M.; et al., 1973, Parazitologia, Leningrad, v. 7 (3), 270-274
Two methods for estimating effect of parasites on abundance of young fish in lakes, one for parasites persisting for a long period in the host, the other for parasites persisting only a short time

Ecology, Populations
Haemaphysalis leporispalustris infestations of juvenile and adult Sylvilagus floridanus from January 1974-December 1975 in Douglas County, Kansas, relationship to skin-sensitizing antibody production, models used to interpret data show promise for predicting tick population fluctuations and incidence of vector borne disease outbreaks, implications of existence of resistance to tick attachment

Ecology, Populations
Haemonchus contortus chemically terminated or concurrent with Nematodirus battus in lambs lowered reproductive capacity and inhibited development of N. battus, results consistent with density-dependent phsyico-pharmacological mechanism of population control involving changes in host alimentary physiology (abomasal pH and Na+ concentration)

Ecology, Populations
Masaba, S.; and Herbert, I. V., 1978, J. Comp. Path., v. 88 (4), 575-583
Hyostrongylus rubidus, growing pigs with no prior experience of infection, effects of size of single dose on establishment, rate of worm loss, rate of relative loss of male and female worms, worm growth, and worm fecundity

Ecology, Populations
Brachylaemus sp. aff. recurvus, Dollfusinus frontalisi, Corrigia vitta, bioecology, distribution in different insular habitats, coexistence in phylogenetically distinct free living small mammals: Formentera, Islas Pitiusas

Ecology, Populations
Dynamics of model host-parasite associations, factors that tend to have a destabilizing influence: parasite induced reduction in host reproduction; effects of parasites reproducing directly inside their host; effects of time delays in parasite reproduction and transmission

Ecology, Populations
Parasitic infections as regulators of host populations, mathematical models

Ecology, Populations
Transversotrema patialense on Brachydanio rerio (exper.), host size (age) and parasite survival, (parasite) age- and density-dependent survival and reproduction, reinfection and transplantation experiments failed to provide evidence of host immunological responses

Ecology, Populations
Miln, A. J., 1978, N. Zealand Entom., v. 6 (4), 392-399
Mattesia sp. and Nosema takapauensis in Costelytra zealandica, incidence among larvae, seasonal distribution, growth and development of diseased larvae, mortality, transmission by soil: New Zealand
Ecology, Populations
echlostoma malayanum, development in rats, heavy population density effects (lengthened prepatent period, undersized worms, decreased proteins, lipids, calcium, and ash but not glycogen); pathological changes in rat intestine; in vitro metacercarial excystment

Ecology, Populations
helminths of sigmodon hispidus from 2 mesic and 3 upland habitats in western Texas, incidence and prevalence, influence of host habitat on parasite fauna composition, comparison of 5 Texas sites with each other and with 3 sites in Florida

Ecology, Populations
Trombiculidae, land development, species and quantity of mites; interrelationships of vector species and rodent hosts, epidemiological importance, brief review: Azerbaidzhann

Ecology, Populations
ecology of parasites of Apodemus sylvaticus and Clethrionomys glareolus: analysis of parasite populations and their seasonal variation in two contrasting habitats: Bristol area, England

Ecology, Populations
Neraasen, T. G.; and Holmes, J. C., 1975, Acta Parasitol. Polon., v. 23 (12-25), 277-289
analysis of circulation of cestodes among 3 species of geese (young and adult) nesting in close association, 4 groups of cestodes delineated representing different pathways and patterns of exchange: Anderson River Delta, Northwest Territories, Canada

Ecology, Populations
ticks mainly of humans and domestic animals, population dynamics in absence of cattle dipping operations, incidence of tick-borne disease, regional distribution related to climate, land utilization, and dipping: Kandeya Tribal Trust Land, northeast Rhodesia

Ecology, Populations
Norval, R. A. I., 1979, J. Parasitol., v. 65 (2), 285-287
ixodid ticks, 12 southern African species in which adults commonly parasitize cattle, host availability for immature stages as limiting factor in population growth, importance of host associations of immature stages in determining 'pest status' of individual species

Ecology, Populations
Novozhilova, E. N., 1971, Parazitologiia, Leningrad, v. 5 (4), 377-381
seasonal occurrence of ectoparasites of Clethrionomys glareolus and inhabitants of its nest, interrelationships between different groups of arthropods on the host and/or in its nest: Komi ASSR

Ecology, Populations
Okhotina, A. M.; and Nadtochy, E. V., 1970, Acta Parasitol. Polon., v. 18 (1-12), 81-84
Mammanidula asperocutis infection exerts limiting effect on population of Sorex spp. because infected female hosts do not produce milk and their offspring therefore perish

Ecology, Populations
Diorchis, 3 spp. in Fulaica atra, distribution within host intestine in single and mixed infections of differing intensity

Ecology, Populations
Patrick, C. D.; and Hair, J. A., [1979], J. Parasitol., v. 64 (6), 1978, 1100-1106
Amblyomma americanum, effect of habitat utilization by white-tailed deer on seasonal abundance of tick populations in 3 different habitats

Ecology, Populations
Sacculina granifera infections of Portunus pelagicus, prevalence, host age and sex, seasonal distribution, influence of parasite upon host: morphological and behavioural modifications, inhibited moulting, male sterility: Moreton Bay, Queensland

Ecology, Populations
Piesman, J.; and Spielman, A., 1979, Ann. Entom. Soc. Am., v. 72 (6), 829-832
immature Ixodes dammini, host association and seasonal abundance, role as vectors of Babesia microti: southeastern Massachusetts

Ecology, Populations
Pointier, J. P.; and Theron, J., 1979, Ann. Parasitol., v. 54 (1), 43-56
Schistosoma mansoni, distribution and population dynamics of Biomphalaria glabrata, prevalence of infection, rhythm of presence and density of cercariae: freshwater mangrove, Guadeloupe, French Antilles

Ecology, Populations
Hymenolepis erinacei growth and population dynamics in Erinaceus europaeus (exper.)

Ecology, Populations
Onchocerca volvulus in Simulium spp. females, comparison of host bio-ecology and vector potential, parasitism as basis for calculating theoretical composition of a biting population of flies: Cote d'Ivoire, Afrique de l'ouest

Ecology, Populations
Randolph, S. E., 1979, Parasitology, v. 79 (1), 141-156
Ixodes trianguliceps, manifestations of acquired resistance in successive infestations of unnatural host (laboratory mice) but not of natural host (Apodemus sylvaticus), relevance to concept of host-parasite co-evolution and to tick population regulation
Ecology, Populations
Apatemon gracilis pellucidus in Culaea inconstans, frequency distribution and localization in host populations of homogenous age and size; structure: swamp on Isle Perrot, Province of Quebec, Canada

Ecology, Populations
marine Monogenea and Digenea, latitudinal differences in host specificity, digenetic host specificity increases from cold to warm seas but no such gradient exists in Monogenea, differences explained in terms of reproductive strategies

Ecology, Populations
hunting as factor in control of wildlife parasites, e.g.: elimination of diseased animals as form of natural selection; brief review

Ecology, Populations
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Ecology, Populations
Ixodes persulcatus, Haemophysalis concinna, Dermacentor silvarum, analysis of regions of high population density near northern and high altitude limits, seasonal variations in abundance and sex ratios: Amur oblast

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Economic importance of parasitism


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Economic importance of parasitism


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Eggs. [See also Hatching; Reproduction]

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Eggs
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Eggs
Ascaris lumbricoides, purine nucleotide content of developing eggs, implications for nucleic acid metabolism

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Eggs
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Eggs
Centrorhynchus corvi, oocyte atresia in ovarian balls, morphological and histochemical observations

Eggs
Paragonimus sp., unable to detect any morphological differences in ultrastructural study of ova from human and cat feces: Durban, South Africa

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SUBJECT HEADINGS

Eggs
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Eggs
Dermacentor silvarum, egg batches in constant humidity conditions, weight changes during development

Eggs
Poroccephalus stilesi eggs and nymphal stages, P. clavatus eggs, extensive morphological and morphometric comparisons with P. crotali to determine distinguishing characteristics; no satisfactory characters were confirmed

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Eggs
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Electron microscopic morphology. See Morphology.

Electron microscopic technique. See Technique, Electron microscopic.

Electron transport. See Metabolism; Respiration.

Electrophoresis
Leishmania spp., characterization by isoenzyme electrophoresis, comparison of stocks from Kuwait with stocks from other parts of Old and New Worlds

Electrophoresis
Trypanosoma (Schizotrypanum) spp. from Microchiroptera, characterization by DNA buoyant densities and by electrophoretic patterns of 6 isoenzymes

Electrophoresis
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Electrophoresis
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Electrophoresis
Healy, J. A.; and Parr, C. W., 1978, Comp. Biochem. and Physiol., v. 60B (2), 177-181
Trypanosoma brucei gambi, T. vivax, bloodstream forms, phosphoglucose isomerases, partial purification and characterization, comparison of the two species, many similarities in kinetic properties but differences in thermal stability and in isoelectric point

Electrophoresis
Le Riche, P. D.; and Sewell, M. M. H., 1979, Internat. J. Parasitol., v. 9 (6), 479-483
Trypanosoma brucei gambi, T. brucei rhodesiense, differentiation by enzyme electrophoresis

Electrophoresis
Healy, J. A., 1979, Genetica, v. 50 (1), 19-30
Trypanosoma equiperdum, polymorphism at α-glycerophosphate dehydrogenase locus detected by electrophoresis, allele and genotype frequency patterns in natural tick populations, physiological and behavioral correlates of alternate genotypes (susceptibility to desiccation, locomotory efficiency), sex and locality differences, results provide evidence that polymorphism serves adaptive function and suggest factors that may be involved in selective maintenance of variability in natural populations: Ireland

Electrophoresis
4 strains of free-living amoebae isolated from lakes in Poland, pathogenicity for mice, response to several drugs, identified as Acanthamoeba spp. on basis of morphology and protein disc electrophoretic patterns

Electrophoresis
Khan, R. A.; and Cowan, G. I. MCT., 1976, Canad. J. Zool., v. 54 (10), 1803-1805
Malmiana spp., Oceanobdella spp., micro starch-gel electrophoretic patterns of muscle myogens, possible tool for taxonomy of leeches

Electrophoresis
Klimenko, V. V.; and Velichko, I. V., 1972, Parasitologija, Leningrad, v. 6 (3), 291-296
Calicophoron calicophorum, Liorchis scutellae, Gastrothyax crumenifer, disc electrophoresis on polyacrylamide gel, characteristic differences in protein spectrum, possible use in taxonomy

Electrophoresis
Trypanosoma cruzi, 3 morphologic forms, surface charge characteristics and their use in separation of these forms, DEAE cellulose column chromatography, particle electrophoresis system

Electrophoresis
Le Riche, P. D.; and Sewell, M. M. H., 1979, Internat. J. Parasitol., v. 9 (6), 479-483
Trypanosoma equiperdum, differentiation by enzyme electrophoresis

Electrophoresis
Echinococcus granulosus, zymograms of glucose phosphate isomerase to differentiate biochemical strains, results indicate an 'ovine' strain (in sheep and cattle) and an 'equine' strain (in horses), strain from camels may also be biochemically different
Electrophoresis
Letch, C. A., 1979, Parasitology, v. 79 (1), 107-117
Trypanosoma cobiitis should be regarded as a single species of trypanosome from 6 spp. of British fish on basis of morphology, isoenzyme patterns, and cross-transmission (by syringe passage of culture forms and by leech vector Hemiclesis marginata), specific names T. phoxini, T. elegans, T. barbatulae, T. occidentalis, and T. langeroni "should be disregarded"

Electrophoresis
Mahon, R. J.; and Shiff, C. J., 1978, J. Parasitol., v. 64 (2), 372-375
Schistosoma haematobium, S. mattheei, differentiation of cercariae emerging from Bulinus snails by separation of phosphoglucomutase bands by starch gel electrophoresis

Electrophoresis
Melrose, T. R.; and Brown, C. G. D., 1979, Research Vet. Sc., v. 27 (3), 357-381
piroplasms isolated from bovine blood infected with Theileria annulata and T. parva, isoenzyme variation

Electrophoresis
human acute falciparum malaria, changes in serum protein patterns studied using polyacrylamide gel electrophoresis, other blood biochemical parameters

Electrophoresis
Trypanosoma cruzi, enzyme electrophoresis reveals 3 discrete forms of parasite in Brazil including recently discovered type responsible for first autochthonous patients with Chagas' disease in Belem, Para state

Electrophoresis
Plasmodium, Babesia, and Anthemosoma spp. in mouse erythrocytes, identification of enzymes of parasite origin using starch-gel electrophoresis

Electrophoresis
Nerad, T. A.; and Daggett, P. M., 1979, J. Protozool., v. 26 (4), 615-615
Naegleria fowleri, N. gruberi, isoenzyme electrophoresis as effective method for separation of pathogenic and nonpathogenic Naegleria strains

Electrophoresis
Eimeria maxima (Keybridge) and E. maxima (indentata) were distinguished by electrophoretic mobility of phosphoglucomutase, this enzyme was used as marker to detect genetic transfer of methyl benzoate resistance between resistant and sensitive lines of these parasites

Electrophoresis
Romanha, A. J.; et al., 1979, Comp. Biochem. and Physiol., v. 62B (2), 139-142
Trypanosoma cruzi, isoenzyme patterns of 4 soluble enzymes in seven parasite stocks determined by electrophoresis, changes after prolonged subculture

Electrophoresis
Ross, G. C.; Southgate, V. R.; and Knowles, R. J., 1978, J. Parasitol., v. 64 (1), 49-56
Schistosoma hovic strains, S. mattheei, S. margrebowiei, S. leiperi, isoenzymes compared by isoelectric focusing, technique for further studies of inter- and intraspecific relationships

Electrophoresis
Entamoeba histolytica (two strains), E. invadens, E. moshkovskii, proteins analyzed by disc electrophoresis and immunodiffusion, suggests use as taxonomic criterion

Electrophoresis
Entamoeba histolytica (14 stocks), E. coli (1 stock), electrophoretic isoenzyme patterns

Electrophoresis
Sargeaunt, P. G.; and Williams, J. E., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (2), 225-227
pathogenic and non-pathogenic intestinal amoeba of man, all species can easily be distinguished by characteristic electrophoretic isoenzyme patterns

Electrophoresis
Eimeria mivati and E. mivati var. diminuta strains differing in sensitivity to sulphamethazine and electrophoretic mobility of lactate dehydrogenase crossed; electrophoretic variation of enzymes a further marker for genetic studies

Electrophoresis
Suzuki, M.; et al., 1979, Bull. World Health Organ., v. 57 (1), 129-132
Plasmodium berghei-parasitized rat erythrocytes, isolation by carrier-free electrophoresis

Electrophoresis
Vrijenhoek, R. C., 1978, J. Parasitol., v. 64 (3), 790-798
Contraeucma, 2 morphologically indistinct populations of larvae from Poeciliospis spp. and Cichlasoma baeni, electrophoretic examination of proteins (enzymatic and non-enzymatic) produced by 11 gene loci revealed presence of 2 sexually reproducing sympatric 'semispecies' that have diagnostically distinct alleles for 2 loci: Sonora, Mexico

Electrophoresis
Wright, C. A.; Rollinson, D.; and Roll, P. H., 1979, Parasitology, v. 79 (1), 93-105
Bulinus senegalensis and associated parasites, isoelectric focusing studies on enzymes, differences in prevalence and variety of infections in 7 host populations: south bank of Gambia River
Electrophoresis
Wright, C. A.; Southgate, V. R.; and Ross, G. C., 1979, Internat. J. Parasitol., v. 9 (6), 523-528
Schistosoma intercalatum, Lower Guinea vs. Zaire strains, enzyme analysis by isoelectric focusing

Electrophoresis
Ancylostoma braziliense, A. ceylanicum, whole body proteins, disc electrophoretic comparison

Elephantiasis. [See also Lymphatic system]

Elephantiasis
filiarial elephantiasis, study concerning beliefs of patients about the origin of their disease: Tahiti

Elephantiasis
Wuchereria bancrofti, Brugia malayi, humans, advances in surgical treatment of filariasis with emphasis on elephantiasis and chyluria

Elephantiasis
Wuchereria bancrofti, humans, differentiation of elephantiasis and complicated varicose veins as causes of "big leg" in a Mali population

Elevation. See Altitude.

El Salvador
frequency of intestinal parasites diagnosed in adults, suggestions for diagnosis and treatment: San Salvador, El Salvador (E. histolytica; Giardia lamblia; Trichomonas hominis; Ascaris lumbricoïdes; Trichocephalus trichiurius; Strongyloides stercoralis; Taenia solium; Ancylostoma; Necator)

El Salvador
frequency of intestinal parasites diagnosed in local children, suggestions for management and therapy: San Salvador, El Salvador (E. histolytica; Giardia lamblia; Ancylostoma duodenale; Necator americanus; Ascaris lumbricoïdes; Trichocephalus trichiurius; Hymenolepis nana; Trichomonas hominis; Taenia sp.)

Embryology. [See also Development]

Embryology
Bothriocephalus scorpii, embryonic development, cleavage characteristics, duration of developmental stages, time and growth rate of oncosphere hooks

Embryology
Shipleya inermis, embryogenesis of oncosphere, scanning and transmission electron microscopy of submucosal capsule, outer capsule, outer envelope

Embryology
Coil, W. H., 1979, Ztschr. Parasitenk., v. 59 (2), 151-159
Cittotaenia variabilis, embryogenesis, transmission and scanning electron microscopy

Embryology
Ascaris suum, chromosome diminution, two-fold increase of nucleosomal histone to DNA ratios during development

Embryology
Ellis, D. S.; et al., 1978, J. Helminth., v. 52 (1), 7-10
Dipetalonema viteae, intrauterine development of microfilariae, comparison with Brugia pahangi

Embryology
Eupolystoma alluaudi, demonstration of embryonic developmental duality resulting in 2 types of larvae, one of which is responsible for internal cycle (multiplication in host by sexual reproduction) and one of which assures host-to-host transmission

Embryology
Tanqua anomala, embryology, suitable model to demonstrate characteristic cleavage pattern

Embryology
Trichocephalus muris, embryonic development in vitro and post-embryonic development in mice described, morphological criteria for recognition of embryo and larval stages of Trichocephalus

Encephalitis. [See also Encephalomyelitis; Meningoencephalitis]

Encephalitis
Best, T.; and Finlayson, M., 1979, Arch. Path. and Lab. Med., v. 103 (13), 695-696
Toxoplasma gondii, humans, 2 forms of encephalitis associated with opportunistic infection

Encephalitis
Toxoplasmosis, necrotizing and granulomatous fatal parasitic infection in woman with stabilized Hodgkin’s disease, case report, discussion of diagnostic problems
Encephalitis
Gillet, J.; et al., 1979, Am. J. Med., v. 67 (5), 891-896
Acanthamoeba astronyxis, Mexican woman, fatal case of disseminated granulomatous infection with skin lesion and focal encephalitis: San Francisco

Encephalitis
Martinez, A. J.; and Janitschke, K., 1979, Immun. u. Infekt., v. 7 (2), 57-64
Naegleria fowleri, Acanthamoeba, human, histopathology, protozoology and taxonomy, epidemiology, treatment, animal models, review

Encephalitis
Toxoplasma gondii, child receiving immunosuppressive drugs for rheumatoid arthritis, recurrent infection with toxoplasmosis resulting in fatal encephalitis: Sao Paulo, Brazil

Encephalitis
Ascaroidea [sp.] in Dromaius novaehollandiae (cerebellum), case report, encephalitis and bilateral paralysis of legs, histopathology

Encephalomyelitis. [See also Encephalitis; Meningoencephalitis]

Encephalomyelitis
Toxoplasma gondii, calf, congenital encephalomyelitis, perivascular mononuclear infiltrations, nodular gliosis and granulomatous lesions in spinal cord

Encystment. See Cysts.

Endocytosis. [See also Invasion mechanisms; Pinocytosis; Phagocytosis]

Endocytosis
Akawa, M.; and Kilejian, A., 1979, Lysosomes Applied Biol. and Therap., v. 6, 31-48
parasitic protozoa, invasion procedures and intracellular localization, review: entry into host cell; resistance to intracellular host digestive enzymes; alteration of host cells and utilization of host cell resources

Endocytosis
Chang, K. F., 1979, Exper. Parasitol., v. 48 (2), 175-189
Leishmania donovani, promastigote-macrophage surface interactions in vitro

Endocytosis
Schneideria schneiderae in Trichosia pubescens (exper.), entry into and development in cells of intestinal caecum, host cell-symbiont interrelations, metabolic exchanges, symbiotic bacteria in cytoplasm of Schneideria, ultrastructural study

Endocytosis
Naegleria, Acanthamoeba, pathogenic vs. non-pathogenic strains, differences in level of production of phospholipase A may explain differences in invasiveness and virulence, likely that secretion of enzyme constitutes initial steps whereby host tissue is prepared for endocytosis by these amebae

Endocytosis
Anaplasma marginale, limiting membrane of anaplasmal inclusion body determined to be of erythrocytic origin by immunoferritin labeling, endocytosis seems reasonable mechanism for entry of anaplasmal initial body into erythrocyte

Endocytosis
Trypanosoma dionisii, phagocytosis by mouse peritoneal macrophages in vitro and subsequent fate therein

Endocytosis
chronic enteritis in slaughter cattle, plan for statistical study of observed parasite lesions: lower Normandy


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Naegleria, Acanthamoeba, pathogenic vs. non-pathogenic strains, differences in level of production of phospholipase A may explain differences in invasiveness and virulence, likely that secretion of enzyme constitutes initial steps whereby host tissue is prepared for endocytosis by these amebae

Endocytosis
Anaplasma marginale, limiting membrane of anaplasmal inclusion body determined to be of erythrocytic origin by immunoferritin labeling, endocytosis seems reasonable mechanism for entry of anaplasmal initial body into erythrocyte

Enteritis
Trypanosoma dionisii, phagocytosis by mouse peritoneal macrophages in vitro and subsequent fate therein

Endocytosis
chronic enteritis in slaughter cattle, plan for statistical study of observed parasite lesions: lower Normandy

Enteritis
parasitism and other factors in enteric syndrome, diagnosis from point of view of practitioner and of laboratory

Entomology
optimum of medical entomology with reference to history of human scabies

Entomology
history of early medical entomology, review

Entomology, Manuals and textbooks
nematodes, protozoans, and other organisms used in classical biological insect pest suppression

Entomology, Manuals and textbooks
Entomology, Manuals and textbooks

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Environment. See Ecology.

Enzyme-linked immunosorbent assay. See Immunity, Enzyme labelling.

Enzymes. [See also Biochemistry; Metabolism]

Enzymes

Enzymes
Ascaris suum, females, trypsin and chymotrypsin inhibitors released in vitro, secretion from body region other than anal or oral openings

Enzymes
Nemeth, I.; Juhaszi, S.; and Baintner, K., 1979 Internat. J. Parasitol., v. 9 (6), 515-522
Taenia pisiformis, trypsin and chymotrypsin inhibitor demonstrated in somatic extract of mature tapeworms

Enzymes
Osuna-Carrillo, A.; et al., 1978, Rev. Iber. Parasitol., v. 38 (3-4), 569-578
Taenia hydatigena cysticerci, in vitro evagination, combined action of trypsin, pancreatin and dog bile necessary

Enzymes
Boophilus microplus, proteolytic-enzyme inhibitor with allergic activity, purification and partial characterization

Enzymes, Host
Abdel Samad, M. M.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (4), 554-559
Schistosoma mansoni, mice, liver monoamine oxidase activity during course of infection and after chemotherapy, may be useful index for progression or regression of liver fibrosis

Enzymes, Host
Schistosoma haematobium, human males, normal rats and Dutch rabbits, ambiliar, activity of serum choline esterase and transaminases as measure of side effects of drug on liver

Enzymes, Host
Fasciola hepatica, cattle, resistance to re-infection, increases in plasma glutamate dehydrogenase and gamma-glutamyl transferase activities after first infection but not second, gross pathology of liver, less damage from second infection

Enzymes, Host
Hymenolepis nana, mice, comparative histochemical study of nucleic acids, carbohydrates, and alkaline phosphatase in parasite and in host

Enzymes, Host
Armour, J.; et al., 1979, Vet. Rec., v. 105 (22), 500-503
Ostertagia ostertagi, cattle, epidemiology of naturally acquired infections studied through 2 successive grazing seasons with particular reference to faecal egg counts, herbage larval numbers, worm burdens, and plasma pepsinogen levels: south west Scotland

Enzymes, Host
Tick-infested bulls, hemoglobin, bilirubin, and transaminase values

Enzymes, Host
Bankov, I.; et al., 1977, Khelmintologiya, Sofia, v. 4, 3-10
Fasciola hepatica, increased enzyme activity in blood serum of guinea pigs

Enzymes, Host
S(chistosoma) mansoni, human, determination of elastase in blood platelets and the role of elastase in granuloma formation in lungs

Enzymes, Host
Malaria, gene for erythrocyte glucose-6-phosphate dehydrogenase deficiency in heterozygous females confers advantage against malaria: Nigeria

Enzymes, Host
Trypanosoma brucei, rabbits, possible pathologic effects of kallikrein and kinin release early in infection, consideration of similar mechanisms in human infection
Chagas disease, decreased lipoprotein lipase activity in persons with chronic infection

Schistosoma mansoni-infected mice, activities of some hepatic drug-metabolizing enzymes can be increased by treatment with inducers

Schistosoma mansoni, mice, recovery of hepatic drug-metabolizing capacity following curative dose of 4-isothiocyano-4'-nitro-diphenylamine

Ascaridia galli, chicks (exper.), negative influence on level of free plasma amino acids, aspartate and alanine aminotransferase activities in host chick serum, single invasion failed to influence serum protein level or weight increase in chicks kept under hygienic conditions

Schistosoma mansoni, mice, 47-fold increase in activity of liver procollagen prolyl hydroxylase, effect of inhibitor, possibility that this enzyme may be rate-controlling in collagen deposition and that its inhibition may be therapeutically useful in liver fibrosis

Eimeria nieschulzi, structural and functional changes in small intestine of infected rats (increase in intestinal mass; changes in mucosal structure especially increased crypt depth; decrease in peroxidase levels in lamina propria; reduction of brush border disaccharidase activity), intensity of all changes was directly dose-dependent

Plasmodium berghei-infected mice (exper.), vitamin E deficiency moderates severity of infection since premature, oxidant-induced hemolysis of infected erythrocytes prevents orderly parasite maturation, restoration of susceptibility to malaria by vitamin E supplementation, observations provide basis for selective advantage of G-6-PD deficiency in areas of endemic malaria

Plasmodium berghei may utilize host-cell NADPH for maintenance of parasite glutathione, these observations may elucidate both parasite-induced red cell oxidant damage and mechanism whereby glucose-6-phosphate dehydrogenase deficiency protects against fulminating malaria infection
Enzymes, Host
El-Kholy, Z. A.; et al., 1979, Biochem. Pharmacol., v. 28 (21), 3171-3172
Schistosoma mansoni-infected and normal mice, effect of asbion on &-glucuronidase activity in liver, spleen, kidney, and bladder homogenates

Enzymes, Host
bilharziasis, human, a-esterase activity in serum and urine, latter recommended as screening test for bilharzial bladder cancer

Enzymes, Host
El-Zoghby, S. M.; et al., 1978, Acta Vitaminol. et Enzymol., v. 52 (1-4), 7-11
schistosomal polyposis of large intestine, humans, increased &-glucuronidase activity not carcinogenic nor indicative of presence of malignancy

Enzymes, Host
Enigk, K.; and Dey-Hazra, A., 1978, J. Helminth., v. 52 (1), 83-89
gastrointestinal nematodes, piglets, disaccharidase activity in host intestinal contents and in nematodes themselves

Enzymes, Host
roundworms, pigs (exper.), disaccharidase activity of gut mucosa, electrolyte content of plasma and various organs

Enzymes, Host
Chagas disease, human chronic infections, activity of lipoprotein lipase, compared with normal controls

Enzymes, Host
Goil, M. M.; and Harpur, R. P., 1979, Ztschr. Parasitenk., v. 60 (2), 177-183
Phocanema decipiens, comparison of non-specific acid phosphomonoesterase activity in larva with that of infected muscle of its host (Gadus morhua)

Enzymes, Host
Goodger, G. V.; and Wright, I. G., 1977, Ztschr. Parasitenk., v. 54 (1), 9-27
Babesia bovis-infected cattle, altered and activated coagulation system, coagulation parameters, fibrinogen catabolism, and fibrinolysis in intact and splenectomized cattle

Enzymes, Host
Nippostrongylus brasiliensis, rats infected with various larval doses, intestinal phospholipase activity, bone marrow eosinophilia, and worm burden

Enzymes, Host
Trichinella spiralis-infected swine, relation between intestinal phospholipase B activity and numbers of blood eosinophils

Enzymes, Host
Schistosoma mansoni, humans with hepatosplenic or hepato-intestinal infections, values of 12 serum enzymes compared with normal values

Enzymes, Host
Eimeria stiedai, rabbits (exper.), alteration of serum enzyme activities

Enzymes, Host
Histomonas meleagris-infected turkeys, dynamics of protozoan population density, plasma glutamic oxalacetic transaminase, plasma bilirubin concentration, relationship to clinical symptoms

Enzymes, Host
Hofmann, W.; and Amrousii, S. E., 1975, Vet. Med. J., Giza, v. 22 (22), 175-183
diseases of cattle, horses, and dogs, estimation of enzymes GGT and GPT to evaluate degree of hepatic involvement

Enzymes, Host
dirofilariasis, dogs with varying degrees of clinical severity, serum free cholesterol concentration, serum lecithin cholesterol acyltransferase activity, relationship to hepatic injury

Enzymes, Host
human malaria, erythrocyte glucose-6-phosphate dehydrogenase activity in infected and non-infected persons in endemic region: Sao Paulo (Iguape)

Enzymes, Host
Schistosoma mansoni, mice, modulation of anti-thrombin and anti-fibrinolytic activities in tissue during development of granulomas

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Trichinella spiralis-infected swine, relation between intestinal phospholipase B activity and numbers of blood eosinophils

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Schistosoma mansoni, mice, modulation of anti-thrombin and anti-fibrinolytic activities in tissue during development of granulomas

Enzymes, Host
Jaffe, J. J.; and Chrin, L. R., 1978, J. Parasitol., v. 64 (4), 661-668
Brugia pahangi-infected and normal Aedes aegypti, methylenetetrahydrofolate dehydrogenase (MTHFD) and reductase (MTHFR) activity, change in folate metabolism with advanced infections; suramin inhibited MTHFR activity but not MTHFD; MTHFR activity detected in crude extracts of adult parasites differed from that in mosquitoes
Enzymes, Host
Jaffe, J. J.; and Chrin, L. R., 1978, J. Parasitol., v. 64 (5), 769-774
Brugia pahangi-infected and normal Aedes aegypti, serine transhydroxymethylase activity

Enzymes, Host
Jaffe, J. J.; and Chrin, L. R., 1979, J. Parasitol., v. 65 (2), 226-232
Brugia pahangi-infected and normal Aedes aegypti, 10-formyltetrahydrofolate synthetase activity

Enzymes, Host
Jaffe, J. J.; and Chrin, L. R., 1979, J. Parasitol., v. 65 (4), 550-554
Brugia pahangi-infected vs. normal Aedes aegypti, methionine synthetase activity

Enzymes, Host
Jaffe, J. J.; and Chrin, L. R., 1979, Biochem. Pharmacol., v. 28 (12), 1831-1835
Brugia pahangi-infected and normal Aedes aegypti, thymidylate synthetase activity

Enzymes, Host
Ascaris suum, females, proteolytic enzymes and enzyme inhibitors, distribution in oesophagus, midgut, and hindgut; interaction of host pancreatic trypsin and chymotrypsin with parasite proteolytic enzymes, in vitro

Enzymes, Host
Ascaris suum gut content activated host pancreatic amylase and lipase in vitro, activation unrelated to parasite gut protease system

Enzymes, Host
Kan, S. C.; and Siddiqui, W. A., 1979, J. Protozool., v. 26 (4), 660-664
Plasmodium falciparum, comparison of dihydrofolate reductase from parasite and from Aotus trivirgatus

Enzymes, Host
Kassim, O. O.; and Richards, C. S., 1978, Exper. Parasitol., v. 46 (2), 213-217
Schistosoma mansoni, levels of lysozyme activity in Biomphalaria glabrata (hemolymph, digestive gland, and headfoot extracts) during infection with compatible and incompatible parasite strains, results suggest that lysozyme does not by itself play a major role in the destruction of a schistosome infection in a resistant snail host

Enzymes, Host
Kassim, O. O.; and Richards, C. S., 1978, Exper. Parasitol., v. 46 (2), 218-224
Biomphalaria glabrata (intermediate host of Schistosoma mansoni), lysozyme activities in hemolymph, digestive gland, and headfoot of uninfected snails

Enzymes, Host
Dicrocoelium dendriticum, F[asciola] hepatica, cattle, glutamate-dehydrogenase and L-γ-glutamyl-transferase activities in sera, compared with cattle not showing macroscopic visceral lesions

Enzymes, Host
Strongyloides, ruminants, diagnosis, blood pepsinogen levels

Enzymes, Host
Ostertagia ostertagi, cattle, serum pepsinogen levels in relation to worm burden and anthelmintic treatments

Enzymes, Host
Khafagy, E. Z.; et al., 1976, Egypt. J. Bi Med., v. 3 (2), 183-197
Human schistosomiasis, evaluation of leucine aminopeptidase activity and creatinine concentrations in persons with active bilharzial infections and comparison of findings with those in normal controls

Enzymes, Host
Khafagy, E. Z.; et al., 1976, Egypt. J. Bi Med., v. 3 (2), 199-212
Human schistosomiasis, significance of alterations in urinary leucine aminopeptidase in various stages of infection in the presence and absence of hepatic involvement and in bladder cancer of schistosomal origin, correlation of findings with the presence of proteins in urine, possible application to diagnosis

Enzymes, Host
Human schistosomiasis, estimation of arylsulfatase A and B in infected subjects and normal controls, progressive increase in enzyme in both mansonii and haematobium infections, possible relationships between both types of parasitic infections and the etiology of schistosomal bladder cancer

Enzymes, Host
Echinococcus granulosus, effects on rats (plasmocyte reaction, antibody in serum, liver glycojen content, serum transaminase)

Enzymes, Host
Nosema gilidae, properties of acid phosphatase formed in infected Galliera mellonella (exper.), presumably by host tissues

Enzymes, Host
Lal, A. A.; and Garg, N. K., 1979, Exper. Parasitol., v. 48 (3), 331-336
Hartmanella cubertsonii, meningoencephalitic mice, biochemical changes in brain

Enzymes, Host
Laubach, H.; Kocan, A. A.; and Sartain, K. E., [1979], J. Parasitol., v. 64 (6), 1978, 1145-1146
Angiostrongylus cantonensis in specific pathogen-free rats, elevated lung lysophospholipase activity and bone marrow eosinophilia due to infection are not additive with increasing worm burdens, findings suggest immune-controlled mechanism of lysophospholipase activity increase during helminth infection
Enzymes, Host
Major, J. R., jr.; and Ruff, M. D., 1978, J. Parasit., v. 64 (4), 706-711
Eimeria spp.-infected broilers, reduced disaccharidase activity in region of intestine with maximum infection, this reduction is related to both time and severity of infection and can contribute to overall reduction in nutrient absorption

Enzymes, Host
Eimeria spp., effects of coccidiosis on digestive capacity (amylase) of broiler chickens, changes in pancreatic, luminal, and surface-bound amylolytic activity, reduction in amylolytic activity as pH went below 5.0

Enzymes, Host
Markiewicz, K.; Kuleta, Z.; and Romaniuk, K., 1975, Acta Parasitol. Polon., v. 23 (1-11), 177-182
Fasciola hepatica, cows, laboratory rats, serum ornithine carbamoyltransferase activity as indicator of extent of liver injury, anatomiopathological and histopathological examinations

Enzymes, Host
Martin, S. K.; et al., 1978, Lancet, London (862), v. 1, 466-468
Plasmodium falciparum, low erythrocyte pyridine-donol-kinase activity in serum of non-infected Black and White races in comparison to that of infected Black persons; possible relation to malarial infection, possibly requirement of parasite

Enzymes, Host
Trypanosoma cruzi, rats, study of changes in enzymatic activity in the duodenal Auerbach's plexus

Enzymes, Host
Trypanosoma cruzi, human, histopathology of myocardium, enzyme histochemical changes in Chagasic cardiomyopathy

Enzymes, Host
Mercado, T. I.; and Garbus, J., 1979, Comp. Biochem. and Physiol., v. 64B (1), 11-15
Trypanosoma cruzi, mice infected with myotropic vs. reticuloenteric parasite strains, creatine phosphokinase isoenzymes in plasma and tissues

Enzymes, Host
Michel, J. F.; et al., 1978, Vet. Rec., v. 103 (17), 370-373
Ostertagia ostertagi, cattle (exper.), plasma pepsinogen levels, little difference between calves exhibiting clinical symptoms and loss of growth and calves without these symptoms, relevance of finding to use of pepsinogen test in diagnosis of ostertagiasis

Enzymes, Host
Himasthla leplosoma, Cryptocotyle lingua, Cercaria linearis in Littorina littorea, lysosomal hydrolases in digestive cells of infected and uninfected snails

Enzymes, Host
Trypanosoma brucei, changes in allantoic fluid composition during development of chick embryo that influence viability of parasite, increased phosphodiesterases main causal factor for disappearance of trypanosomes during embryonic development

Enzymes, Host
Musaev, M. A.; and Surkova, A. M., 1972, Parasitologija, Leningrad, v. 6 (1), 11-15
Eimeria tenella-, E. mitis-infected chickens (exper.), changes in activity of alkaline and acid phosphatases of small intestine depend on species of coccidia, age of host, and stage of infection

Enzymes, Host
Musaev, M. A.; and Surkova, A. M., 1974, Parasitologija, Leningrad, v. 8 (2), 170-174
Eimeria tenella, chickens (exper.), acid and alkaline phosphatase activity of small intestinal mucosa, comparison of one infection (non-immune) vs. 3 successive infections (immune)

Enzymes, Host
Trichocephalus suis, suckling pigs, influence of amylosubylene on host carbohydrate metabolism

Enzymes, Host
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<td>Trichomonas vaginalis in human cervical and vaginal exudates, fine structure and acid phosphatase activity, relationship with other cellular elements including phagocytosis and digestion of epithelial cells and bacteria and phagocytosis by macrophages</td>
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<td>Paramphistomum explanatum, effect of some -SH and other reagents on aspartate aminotransferase and t-alanine aminotransferase</td>
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<td>Ascaris suum, aldose reductase and sorbitol dehydrogenase in muscle</td>
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<td>Phocanema decipiens, sorbitol dehydrogenase isolated and characterized</td>
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Enzymes, Parasite
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Eimeria tenella, multiple leucine aminopeptidases in oocysts, changes during sporulation

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Schistosoma mansoni, tegument pathology following chemotherapy with 153CS1, lysosomal involvement (accumulation of inclusions with characteristics of residual lysosomes, changes in localization of acid phosphatase), immunological factors probably not involved

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Joerg, A.; et al., 1978, Experientia, v. 34 (12), 1654-1656
rapid and simple method for isolation of pure eosinophilic leukocytes from horse blood

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Ottesen, E. A.; and Weller, P. F., 1979, J. Infect. Dis., v. 139 (3), 343-347
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Attehian, B., 1974, Radiol. Technol., v. 46 (2), 84-89

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intestinal helminths, African schoolchildren, systematic thiabendazole therapy over 8-month period, increased weight gains with cost of therapy less than if given nutritional supplements, favorable impact on epidemiology: Yaounde, Cameroon

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Gettimby, G.; et al., 1979, Vet. Rec., v. 105 (3), 87-90
Ostertagia ostertagi, calves, mathematical model to predict level of pasture contamination and occurrence of clinical disease, good correlation between predicted and observed events

Epidemiology, Nematoda
gastrointestinal nematodes, calves, winter survival of larvae on pasture more important than carrier calves as source of infection; calves surviving clinical disease are resistant to infection the following year: Maine

Epidemiology, Nematoda
Toxocara canis, patients with diagnostic ELISA titres vs. patients with presumed visceral larva migrans but less or no detectable antibody, clinical findings (including leucocytosis, eosinophilia, increased anti-A or anti-B isohemagglutinin titre, elevated serum IgG level), epidemiological characteristics (age, sex, northern vs. southern residence, history of nica)

Epidemiology, Nematoda
Wuchereria bancrofti, dynamics of filariasis in village inhabitants, clinical, parasitological, immunological, and social aspects: village of Paraíso, Province of Catanduanes, Philippines

Epidemiology, Nematoda
Dictyocaulus viviparus, description of inhibited fourth and fifth stage larvae recovered from calves (lungs) (nat. or exper.) in autumn after four weeks in parasite-free conditions

Epidemiology, Nematoda
Onchocerca volvulus microfilarial antigen skin test, useful in diagnosis and as epidemiological tool to assess effectiveness of control programs: Guatemala

Epidemiology, Nematoda
Hoagland, K. E.; and Schad, G. A., 1978, Exp. Parasitol., v. 44 (1), 36-49
Necator americanus, Ancylostoma duodenale, life history data compiled and then analyzed in light of 2 ecological theories (r and K selection; body size and energy constraints on reproduction), implications that different reproductive strategies in two sympatric parasites have for epidemiological parasitology, value of population ecology in epidemiological investigations

Epidemiology, Nematoda
Hubert, J.; Kerboeuf, D.; and Gruen, L., 1979, Bull. C.T.V. (6), 1-16
gastrointestinal nematodes, ovine, epidemiology, effect on host growth and plasma pepsinogen levels: Limousin

Epidemiology, Nematoda
Uncinia stenocephala, dogs, prevalence in kennels influenced by host age, biomicroscopy, epidemiology, review: United Kingdom

Epidemiology, Nematoda
gastro-intestinal strongylosis, ruminants, proposed theories for explaining 'spring-rise' in elimination of helminth eggs, review with new theory

Epidemiology, Nematoda
Kostroczewski, J. M.; et al., 1975, Przegl. Epidemiol., v. 29 (1), 57-64
Trichinosis, human epidemiologic survey, 50 persons: Zielona Gora

Epidemiology, Nematoda
Kozlov, D. P.; and Trichinella, chief source of infection of pinnipeds is dead land or marine mammals in sea, on its ice cover, or on shores, review

Epidemiology, Nematoda
SUBJECT HEADINGS

Epidemiology, Nematoda
Mansonella ozzardi, human, epidemiology in savannah vs. forest regions, dynamics and intensity of transmission, vector survey: Liberia

Epidemiology, Nematoda
human hookworm, extensive epidemiologic survey and control campaign conducted 1956-1972: rural Surinam

Epidemiology, Nematoda
Onchocerca gibsoni, slaughtered cattle, infection rate and nodule characteristics in relation to geographic region, season, breed, sex, and age of host: Australia

Epidemiology, Nematoda
Brugia, Wuchereria, differences in behaviour of infective larvae in mosquito vectors may be of epidemiological significance in disease transmission

Epidemiology, Nematoda
Laurence, B. N.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 991-996
Mansonella ozzardi, Amerindian populations, age group- and village-specific prevalence, diagnosis by peripheral blood lymphocyte cultures compared with Giemsa-stained peripheral blood smears: states of Amazonas and Acre, Brazil

Epidemiology, Nematoda
human dracontiasis, epidemiologic survey, suggested control measures: Rikhabdeo village areas, Udaipur, India

Epidemiology, Nematoda
Trichinella spiralis, new views on life cycle with remarks on epidemiology and population dynamics; synonymy

Epidemiology, Nematoda
Onchocerca volvulus and other filariasis, humans, extensive prevalence survey of area of low endemicity: area of Inga River, Democratic Republic of the Congo

Epidemiology, Nematoda
enteroparasites, 2 population groups, factors involved in dissemination (sanitation, social, economic and cultural standards, dietary habits): city of Ribeirao Preto, Sao Paulo, Brazil

Epidemiology, Nematoda
Necator americanus, Ancylostoma duodenale, humans from periurban and rural populations, epidemiology, distribution: municipality of Londrina, Parana, Brazil

Epidemiology, Nematoda
trichuriasis, human, epidemiologic survey and control campaign conducted 1956-1972: rural Surinam

Epidemiology, Nematoda
Mansonella ozzardi, humans, prevalence and distribution in coastal north Trinidad, W.I.

Epidemiology, Nematoda
hookworms and other intestinal helminths, children, prevalence and intensity over 22-month period, host age, sex, and religion, seasonal patterns, extrapolation of estimates for larval efficiency and adult life spans: rural West Bengal

Epidemiology, Nematoda
onchocerciasis, human, serological survey, correlation with epidemiological data and microfilarial rates: Liberia, West Africa

Epidemiology, Nematoda
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Anisakis, humans, epidemiologic survey, comparison of skin test, indirect hemagglutination, and serum IgE levels in randomly selected local inhabitants and in patients with anisakiasis, higher positive rates in workers in fishing industries than in those in farming industries: Hokkaido

Epidemiology, Nematoda
trichinosis, human, 15 cases reported within 1 month, epidemiologic survey could not locate source of infection: Sweden

Epidemiology, Nematoda
Haemonchus contortus, Trichostrongylus spp., sheep, termination of arrested development, time of year: northern Nigeria
Epidemiology, Nematoda


Trichostrongylus larvae, pasture infectivity for tracer lambs throughout period of one year, weather data: Guinea Savanna, Nigeria

Epidemiology, Nematoda


Haemonchus contortus, factors influencing development and survival of larvae on pasture; rainfall appeared to be the most important: Ibadan, Western Nigeria

Epidemiology, Nematoda


parasitic gastroenteritis, lambs, forecasting incidence in late summer, correlation with rainfall of current year and dryness of previous late summer and autumn: England and Wales

Epidemiology, Nematoda


Brugia malayi, Wuchereria bancrofti, filariasis prevalence survey of persons residing in 8 villages in the Province of West Kalimantan, Indonesia

Epidemiology, Nematoda


Brugia malayi, humans, epidemiologic and vector survey; possible importance of cats in transmission: Kalimantan, Indonesia

Epidemiology, Nematoda


parasitic gastroenteritis and bronchitis in untreated grazing calves, epidemiology (pascal larval counts, fecal egg and larval counts, clinical assessment, weight gains, worm counts in tracer calves), evidence that resistance to Cooperia and Dictyocaulus was acquired more readily than to Ostertagia, inhibition of development of Ostertagia and Cooperia became evident at end of trial period

Epidemiology, Nematoda


parasitic gastroenteritis and bronchitis in grazing calves, effect of low level feed incorporation of morantel in early season

Epidemiology, Nematoda


Wuchereria bancrofti, human, prevalence rate as means of defining 3 levels of endemicity: Volta basin

Epidemiology, Nematoda

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Uncinaria stenocephala, dogs (exper.), worm population and topographical distribution in host intestine, prepatent and patent period, rhythm of daily worm-egg counts; egg and larval survival at low temperatures; natural infections in foxes and experimental cross-infections between dogs and foxes, epidemiological implications: Netherlands

Epidemiology, Nematoda

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helminthiasis, sheep, epidemiology, monthly incidence, proposed control scheme: Itaqui county, Rio Grande do Sul, Brazil

Epidemiology, Nematoda


human onchocerciasis, Simulium spp. vectors, epidemiology, extensive review: Afrique de l'Ouest

Epidemiology, Nematoda


Dictyocaulus viviparus in cattle fattening complexes in non-grazing animals, sources of infection, warmth and humidity favorable for larval development
Epidemiology, Nematoda
Sinniah, B.; Singh, M.; and Anuar, K., 1979, J. Helminth., v. 53 (2), 147-152
Capillaria hepatica in rats, prevalence in relation to host age, sex, and habitat, localized foci of infection: Malaysia

Epidemiology, Nematoda
Oesophagostomum quadrinudatum, O. dentatum, failure to demonstrate overwinter survival on pastures, contamination of pastures by carrier pigs with subsequent transmission to susceptible pigs

Epidemiology, Nematoda
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Trichostrongylosis, dairy calves, control: rotational grazing vs. set stocking, daily removal of feces from fields, nutritional level: Kenya

Epidemiology, Nematoda
Tada, I.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (1), 67-71
Onchocerciasis, human, epidemiological survey, prevalence in relation to altitude, host age and sex distribution, relation between microfilaria rate and nodule rate, examination of anterior chamber of eye, location of onchocercal nodules, comparison of diagnostic measures: San Vicente Pacaya, Guatemala

Epidemiology, Nematoda
Haemonchus contortus, Trichostrongylus, Ostertagia, sheep, periods of good transmission potential deduced on basis of bioclimatographs: various agrarian regions of Spain

Epidemiology, Nematoda
Thomas, R. J.; and Starr, J. R., 1978, Vet. Rec., v. 103 (21), 465-468
Sheep nematodes, pattern of infective larvae on pasture, correlation between time of summer peak and cumulative rainfall, possible use in forecasting onset of major infection in lambs

Epidemiology, Nematoda
Thomas, R. J.; and Wailer, P. J., 1979, Research Vet. Sc., v. 26 (2), 209-212
Abomasal nematodes, lambs, epidemiology during winter and spring: infective pasture larval availability, parasite population changes and inhibition patterns: Northumberland

Epidemiology, Nematoda
Onchocerca volvulus, humans from 4 villages in endemic areas, correlations between quantity of transmission and intensity of infection, applications for vector control programs: Sudan-savanna areas in Upper-Volta and Ivory Coast

Epidemiology, Nematoda
Parasitic gastro-enteritis, epidemiological pattern in calves born during dry season vs. wet season, genera of strongyles that affect calves at certain ages and seasons of year, suggested deworming practices: ANSA Cattle and Crop Farms, Philippines

Epidemiology, Nematoda
Strongyles, calves raised under type II and type III climatic zones, monthly mean ova counts: Philippines

Epidemiology, Nematoda
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Gastrointestinal nematodes, calves, monthly mean egg counts, climatic factors and acquired immunity as factors: BAI Alabang Stock Farm, province of Rizal

Epidemiology, Nematoda
Gastrointestinal nematodes of cattle, variation in incidence in Oriental Mindoro vs. Palawan, Philippines

Epidemiology, Nematoda
Parasitic gastroenteritis, epidemiology: monthly strongyle ova counts of calves, effects of season, climate and age, suggested deworming practices: Verandia Ranch, Philippines

Epidemiology, Nematoda
Longevity of strongyle larvae in cattle dung pats on pasture, larvae persisted longer in pats deposited during dry vs. rainy season

Epidemiology, Nematoda
Ascaris lumbricoides, Trichuris trichiura, children, incidence by climatic zones and in different districts, distribution of familial foci by type of dwelling: North Moravian region

Epidemiology, Nematoda
Waller, P. J.; and Thomas, R. J., 1978, Internat. J. Parasitol., v. 8 (4), 275-283
Ostertagia spp., epidemiology in natural parasite populations in sheep raised under intensive conditions, climatic conditions, egg counts and pasture larval availability, seasonal worm burdens, inhibition of larval development: north-east England

Epidemiology, Nematoda
Wang, K. Y., 1971, Taiwan I Huego Hui Tsa Chih (J. Formosan Med. Ass.), v. 70 (1), 38-48
Ascaris lumbricoides, hookworm, Trichuris trichiura, humans, prevalence survey, epidemiology, urban vs. rural populations: Hsing-Chuang Cheng
Epidemiology, Nematoda
guinea worm, survey of villagers from 5 communities during epidemics to determine disease-associated attitudes, beliefs, and practices, differences between 2 ethnic groups, implications for health education: Southern Ghana

Epidemiology, Nematoda
Dirofilaria immitis, Toxocara canis, dogs, epidemiological survey, host age, sex, and breed, immunodiagnosis (3 immunofluorescence tests, in vitro lymphocyte blastogenesis); prevalence of specific antibody in man proportional to incidence of canine infections: Queensland; Central Australia

Epidemiology, Nematoda
Onchocerca volvulus, humans, epidemiologic survey, parasitological, ophthalmological and immunological aspects: Lusambo, Kasai Oriental, Zaire

Epidemiology, Nematoda
Ancylostoma spp. causing creeping eruption in humans, clinical and epidemiological study; thiabendazole therapeutically effective: Yucatan, Mexico

Epidemiology, Nematoda
Wuchereria bancrofti, humans, distribution and prevalence survey: northern-western savanna area of Liberia, West Africa

Epidemiology, Nematoda
Wuchereria bancrofti, changes in microfilaremia in a rural population, survey done in 1973 and repeated in 1976/1977: savanna area in Upper Lofa in the hinterland of Liberia

Epidemiology, Nematoda
Nematodirus, sheep, sources of infection (soil, grass, water)

Epidemiology, Protozoa
Babesia divergens, cattle, serological survey using indirect fluorescent antibody test, occurrence of antibody in the population and distribution of infected herds: Scotland

Epidemiology, Protozoa
de Alencar, J. E.; et al., 1975, Rev. Brasil. Malariol., v. 26-27, 1974-1975, 5-26
Trypanosoma cruzi, statistics of epidemiologic survey, dogs and cats emphasized as reservoir hosts for human infections: State of Ceara (County of Russas), Brazil

Epidemiology, Protozoa
Human leishmaniasis, epidemiologic survey, 10-year period: State of Ceara, Brazil

Epidemiology, Protozoa
Amato Neto, V.; et al., 1976, Rev. Brasil. Clin. e Terap., v. 5 (11), 413-416
Trypanosoma cruzi, humans, analysis of sensitivity of rapid flocculation for diagnosis, recommended for screening blood donors and for epidemiologic surveys

Epidemiology, Protozoa
Minchinia nelsoni in Crassostrea virginica (susceptible imports, native oysters and progeny), seasonal patterns of morbidity and mortality, survival of early generations in MSX-prevalent areas suggests that acquired resistance is involved; hypotheses on origin of infection and life cycle of pathogens: Virginia waters

Epidemiology, Protozoa

Epidemiology, Protozoa
Aust-Kettis A.; and Thoren, G., 1974, Scand. J. Infect. Dis., v. 6 (4), 349-353
Giardia lamblia, inter- and intrafamilial infection involving 5 families, case reports, epidemiology, index case thought to be 3-year-old child from Israel that had recently been adopted by family members: Lindesberg, Sweden

Epidemiology, Protozoa
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African sleeping sickness, epidemiology, review

Epidemiology, Protozoa
Baldelli, N., 1974, Parassitologia, v. 16 (1), 21-45
Toxoplasma gondii, life cycle, epidemiology, review

Epidemiology, Protozoa
Trypanosoma cruzi, T. rangeli, human blood samples being tested for malaria found to be positive also for trypanosomiasis, epidemiologic survey, determination of possible vectors: El Salvador
Epidemiology, Protozoa
Leishmania, identification of 68 strains from Aethiopian zoogeographical region on basis of biochemical and serological taxonomy (nuclear and kinetoplast DNA buoyant density, excreted factor serotypes, enzyme variant types), epidemiological implications

Epidemiology, Protozoa
Feral Felis catus, survey on distribution, feeding, and breeding, probably important source of sporozoan infections for domesticated animals: New Zealand

Epidemiology, Protozoa
Human vaginal trichomoniasis, statistics of epidemiologic survey of women with abnormal cervical cytologic findings

Epidemiology, Protozoa
Anaplasma marginale, Babesia bigemina, age at which calves in endemic area first become infected, packed cell volumes and clinical symptoms, mild clinical response and rapid recovery indicate that protection of native calves through immunization or other procedures prior to natural exposure would be of questionable value: north coast area of Colombia

Epidemiology, Protozoa
Minchinia nelsoni and M. costalis in Crassostrea virginica introduced from non-infected area, incidence, annual and seasonal prevalence, mortality, sporulation, effect on host reproductive capacity, comparison with Delaware and lower Chesapeake Bays, practical implications for manipulation of introduced oysters: Chincoteague Bay, at Franklin City, Virginia

Epidemiology, Protozoa
Trypanosoma cruzi, epidemiologic survey of autochthonous human infection, dispersion of infected Triatoma infestans in climatic environment thought to be unfavorable for development of this vector: Baixada Fluminense, Municipio de Caxias, Estado do Rio de Janeiro

Epidemiology, Protozoa
Trypanosoma cruzi, epidemiologic survey of non-endemic area for evidence of Chagas disease, triatomes inhabiting housing, humans (mostly children) and 2 dogs found infected by serologic and xenodiagnostic methods: Caxias, Rio de Janeiro State, Brazil

Epidemiology, Protozoa
Entamoeba histolytica, humans, epidemiology, diagnostic methods, review

Epidemiology, Protozoa
Entamoeba histolytica, comparative epidemiologic survey, rural vs. urban areas, highest prevalence directly related to lowest sanitary conditions, clinical manifestations, associated parasitism: Brazil

Epidemiology, Protozoa
Chagas disease, statistics of survey of potential blood donors found to have positive sera, recommendations for possible control measures: Cordoba, Argentina

Epidemiology, Protozoa
Naegleria aerobia flagellate stage, pathogenicity, bearing on epidemiology of exogenous amoebiasis

Epidemiology, Protozoa
Visceral and cutaneous leishmaniasis, humans, animals, epidemiology, extensive review: Algerie, Maroc, et Tunisie

Epidemiology, Protozoa
Trichomonas vaginalis, epidemiologic survey for evidence of urinary and vaginal trichomoniasis infections in women living in Caserta Province, Italy

Epidemiology, Protozoa
Leishmania sp., survey of wild and domestic animals as reservoir hosts, results suggest active role of dogs: Caratinga, Minas Gerais State, Brazil

Epidemiology, Protozoa
Malaria outbreak among campers in sparsely-populated ranching region, epidemiologic search revealed presence of infected Mexican migrant worker and anopheline mosquitoes thus providing environment for secondary spread of infection to indigenous population: Texas

Epidemiology, Protozoa
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Trypanosoma spp., wildlife, prevalence determined by parasitological and/or serological techniques, correlations with high and low tsetse fly density areas (for buffalo and lechwe) and with host age (for buffalo): Northern Botswana

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Epidemiology, Protozoa
malaria, epidemiological model applied to transmission, includes both human and entomo-
logical factors

Epidemiology, Protozoa
Toxoplasma gondii, wild hamster (Cricetus cricetus) highly susceptible to infection especially when parasite introduced intran-sally, epidemiological implications

Epidemiology, Protozoa
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Giardia lambia, Entamoeba coll, Trichuris trichiura, socio-epidemiological study of infected families, emphasis on living condi-
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toms: Denmark

Epidemiology, Protozoa
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Epistyliis-Aeronomas complex, centrarchid fish, incidence, spatial distribution of lesions, host size class (age), body condi-
tion, seasonal periodicity, influence of thermal effluent on disease: Par Pond reservoir, Savannah River Plant near Aiken, South Carolina

Epidemiology, Protozoa
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zootiological factors: western Nigeria

Epidemiology, Protozoa
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human toxoplasmosis, statistics of epidemi-
logic survey of 2 districts of Goiana (one group comprised of workers in a slaughter house and their families; one group living in area with poor sanitary facilities): Brazil

Epidemiology, Protozoa
Ferraroni, J. J.; and Hayes, J., 1977, Acta Amazonica, v. 7 (3), 401-406
Plasmodium falciparum, outbreak in 2 indian tribes, Anopheles darlingi only vector mos-
quito present, tribal differences in infec-
tion based on proximity to vector population: Roraima, Brazil

Epidemiology, Protozoa
Toxoplasma gondii, prevalence in domestic and wild animals and humans, indirect hemag-
glutination test: Manaus, Amazonas (also indigenous Indians from Territory of Roraima)

Epidemiology, Protozoa
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Trypanosoma cruzi, epidemiological and eco-
logical aspects in intensive agricultural and cattle breeding region, environmental changes seem to have favored Triatominae by increasing available ecotopes: municipio de Guaíra, Brasil

Epidemiology, Protozoa
Limax-amoebiae, cold-blooded vertebrates as possible means of spreading parasite from one pond to another

Epidemiology, Protozoa
Freitas, C. A., 1975, Rev. Brasil. Malar-
Trypanosoma cruzi, humans, discussion of epidemiology and control measures in Brazil

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Trypanosoma gamibieni, epidemiology, problem of reservoirs in continuing transmission, man (symptomless carriers) as possible reser-
voir: Afrique Centrale

Epidemiology, Protozoa
kala-azar, humans, extensive epidemiologic survey using the leishmanin skin test: south-west Ethiopia

Epidemiology, Protozoa
partial suppression of Plasmodium gallinae-
um and P. vivax in Aedes aegypti and Anopheles stephensi doubly infected with Nosema algereae and Plasmodium, epidemiologi-
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Epidemiology, Protozoa
Galuzo, I. G., 1977, Protozoology, v. 3, 159-168
Toxoplasma gondii, epidemiology, review

Epidemiology, Protozoa
Toxoplasma gondii, human, serological survey using indirect fluorescent antibody tech-
nique, 55.7% positive, no significant differ-
ce between sexes, highest antibody level in population 2-19 years old: northern Iran

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human malarias, epidemiologic survey of diag-
nosed cases that have occurred in Spain since 1964 (all malarias thought to have been eradicatd as of that date); all reported cases since that time were found to be im-
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Epidemiology, Protozoa
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Toxoplasma gondii, women, presence of anti-
bodies correlated with various disorders, significant risk of infection through con-
sumption of uncooked or underdone meat but not through contact with animals: area urbana di Catania e provincia

Epidemiology, Protozoa
human amoebiasis and malaria, increasing incidence in non-endemic areas, epidemiologic review
Epidemiology, Protozoa
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theileriosis, cattle, historical review, seasonal and host age incidence, duration of parasitaemia, relapse time; transmission of Theileria sp. to cattle using Boophilus microplus and Haemaphysalis longicornis; pathogenicity and immunogenicity of Korean and Japanese strains of T. sergenti compared: Korea

Epidemiology, Protozoa
Harrison, H. R.; Crowe, C. P.; and Fulginiti, V. A., 1979, Pediatrics, Am. Acad. Pediat., v. 64 (6), 925-928

Entamoeba histolytica, children, hepatic abscesses, clinical and epidemiologic features, case reports

Epidemiology, Protozoa

malaria, human, cases along newly opened roads, particularly from survey north of rio Urubu, recommendations for settlements along future roads: Amazon basin, Brazil

Epidemiology, Protozoa

malaria, humans, pocket of controlled infection in a holoendemic region, evaluation of local malaria programme by malarriometric study: Yekepa, Liberia

Epidemiology, Protozoa

Toxoplasma gondii, epidemiology and food-hygicic significance, prevalence of antibodies and cysts in swine: south-east Norway

Epidemiology, Protozoa
Hoff, R.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (3), 461-466

Trypanosoma cruzi, rural population, age-specific prevalence rates of parasitemia (detected by blood cultures and xenodiagnosis) vs. seroreactivity (measured by complement fixation and indirect immunofluorescence tests): northeast Brazil

Epidemiology, Protozoa
Iversson, L. B.; et al., 1979, Rev. Saude Publ., S. Paulo, v. 13 (2), 159-167

Leishmania donovani, autochthonous case in 10-year-old child, extensive epidemiological survey, unable to identify vector: zona urbana de Diadema, municipio da Grande Sao Paulo, Brasil

Epidemiology, Protozoa

Toxoplasma gondii antibodies, human, prevalence survey by areas and ethnic groups: Natal, Eastern Cape, Western Cape, South West Africa, and Botswana regions of Southern Africa

Epidemiology, Protozoa

Giardia lamblia, epidemiology of outbreak in day-care nurseries, transmission apparently person-to-person, more Canadian children were symptomatic and infected than were immigrant children attending the nurseries, infections cleared with metronidazole or atabrine, control measures suggested including treatment of all infected children regardless of whether they were symptomatic: Toronto, Canada

Epidemiology, Protozoa

Toxoplasma, humans (pig-breeders and their families), swine, stray cats, antibody prevalence: Hamaoka district, Shizuoka Prefecture, Japan

Epidemiology, Protozoa
toxoplasmosis, human, incidence, significance of age, eating of raw meat, contact with domestic animals, indirect fluorescent antibody test: Kutina, Croatia, Yugoslavia

Epidemiology, Protozoa

Pneumocystis carinii, small children, problems of transmission in hospitals and children's homes: Poland

Epidemiology, Protozoa

Entamoeba histolytica, epidemiologic investigations of suspected foci of human amoebiasis occurring in the United States from 1971-1974, findings suggest diagnostic problems and misdiagnosis, suggests that stool examinations be supplemented with serology and microscopic diagnosis

Epidemiology, Protozoa

Trypanosoma cruzi, extensive survey of wild animals, triatomine bugs and humans for evidence of Chagas disease: State of Para, north Brazil

Epidemiology, Protozoa
cutaneous leishmaniasis, observations on epidemiology in north Para State, Brazil
Epidemiology, Protozoa
Malaria, parasitic agents, symptomatic presentation: failure of sterilization programs, malaria in pregnancy, interaction between parasite and human/environment.

Epidemiology, Protozoa
Myxobolus pavlovskii in cultured fish, in diagnosis, infection experiments, epidemiology, histopathology: Hungary
Myxobolus in naturally infected fish, in epidemiology, infection experiments, epidemiology, histopathology: Indonesia

Epidemiology, Protozoa
Malarial transmission, importance of bats as reservoirs of malaria in epidemiology of热带 regions.

Epidemiology, Protozoa
Myxobolus in naturally infected fish, in epidemiology, infection experiments, epidemiology, histopathology: Indonesia

Epidemiology, Protozoa
Malarial transmission, importance of bats as reservoirs of malaria in epidemiology of热带 regions.

Epidemiology, Protozoa
Myxobolus in naturally infected fish, in epidemiology, infection experiments, epidemiology, histopathology: Indonesia

Epidemiology, Protozoa
Malarial transmission, importance of bats as reservoirs of malaria in epidemiology of热带 regions.
Epidemiology, Protozoa
Mott, K. E.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1116-1122
Trypanosoma cruzi, household distribution of seroreactivity analyzed in relation to style of house construction and distribution of Panstrongylus megistus: northeast Brazil

Epidemiology, Protozoa
Mott, K. E.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1123-1127
Trypanosoma cruzi, infection of domestic dogs and cats in relation to household seroreactivity and household Panstrongylus megistus infestation: northeast Brazil

Epidemiology, Protozoa
toxoplasmosis, human and animal population (cattle, sheep, goats, horses, donkeys, poultry, dogs, laboratory animals), prevalence of antitoxoplasma antibodies, immunofluorescent and agglutination methods, epidemiology discussed: Tunisia

Epidemiology, Protozoa
kala-azar, human, geographical distribution, age and sex distribution, clinical findings, wild carnivores as probable reservoir hosts and Phlebotomus major as probable vector: Iran

Epidemiology, Protozoa
Trypanosoma cruzi, indirect hemagglutination test, adapted for use with capillary blood dried on filter paper, useful for epidemiologic field surveys

Epidemiology, Protozoa
human visceral leishmaniasis, epidemic outbreak 1972-1977, landscape epidemiology: Machakos District, Kenya

Epidemiology, Protozoa
Nikol'ski, S. N.; Nikiforenko, V. I.; and Pozov, S. A., 1977, Veterinarila, Moskva (4), 71-75
Piroplasma jakimovi, cattle, morphological and biological comparison with P. bigeminum, epizootiology (Ixodes ricinus as main vector; frequent association with leptospirosis), treatment: Siberia

Epidemiology, Protozoa
Toxoplasma gondii, non-immunized and immunized cats (primary oral infection followed by challenge), excretion of oocysts, and its role in epidemiology of toxoplasmosis; cats disseminate T. gondii mainly by remote and indirect transmission and overall pollution rather than by direct contact between cats and humans

Epidemiology, Protozoa
Lambia, infection rate in humans of different age groups in rural and urban areas, high infection rate in preschool rural children may be explained by contact with farm dogs which carry natural infections of L. canis and were proved experimentally susceptible to L. intestinalis: Ukraine

Epidemiology, Protozoa
histomoniasis, turkeys, age and seasonal dynamics in relation to epizootiology; disease outbreaks in young birds under stress conditions; nitazol satisfactory, trichopel good prophylactic and therapeutic effect

Epidemiology, Protozoa
Perry, B. D.; et al., 1979, Vet. Rec., v. 104 (11), 231-234
toxoplasmosis, sheep, field outbreak, sero-epidemiological study, indirect haemagglutination test: Colombia, imported from Britain

Epidemiology, Protozoa
leishmaniasis, epidemiological implications of discovery of Proechimys cuvieri sp. n.: French Guiana

Epidemiology, Protozoa
Priesman, J.; et al., 1979, J. Med. Entom., v. 15 (5-6), 537-540
Babesia microti not found in Odocoileus virginianus naturally or experimentally inoculated, nor in vector Ixodes dammini: Nantucket and Naushon Islands, Massachusetts

Epidemiology, Protozoa
Trypanosoma cruzi, T. rangeli, single and mixed infections, epidemiologic survey of area infested with Rhodnius prolixus: Departamento Francisco Morazan, Honduras

Epidemiology, Protozoa
Plasmodium vivax, epidemiologic factors relative to recent resurgence of autochthonous human infection in Turkey

Epidemiology, Protozoa
Leishmania tropica, [Rhombomys opimus], prevalence of infection and clinical features undergo significant seasonal and annual changes and therefore cannot be used as criteria for typification of natural nidi of cutaneous leishmaniasis: Turkmenia

Epidemiology, Protozoa
Entamoeba histolytica, current status of human amoebiasis (physiopathology, clinical forms, diagnosis, treatment, epidemiology), anniversary presentation at the Academy of Medicine of Chile
Epidemiology, Protozoa
Toxoplasma gondii, human, seroepidemiological survey, prevalence in relation to geographic region, age, sex, rural vs. urban residence, skin color, blood group, occupation, contact with animals: Brazil

Epidemiology, Protozoa
Plasmodium vivax, method for determination of periods of disease transmission by analyses of regional or local climatograms: Brazil

Epidemiology, Protozoa
Trypanosoma cruzi, T. rangeli, epidemiologic survey, vectors, reservoir hosts: Panama

Epidemiology, Protozoa
Plasmodium malariae, P. vivax, sero-epidemiologic survey (value of indirect immunofluorescence test emphasized) of coinciding foci of human malaria and leptospirosis in the Peruvian Amazon area

Epidemiology, Protozoa
Toxoplasma gondii, Plasmodium, young school children living in 2 areas of different phases of an antimalarial control program, survey for presence of malaria and toxoplasmosis antibodies using the indirect fluorescent antibody test: Burma

Epidemiology, Protozoa
Tomaszunas, S., 1974, Przegl. Epidemiol., v. 28 (2), 139-148
human malarials, nomadic migration, local customs, low levels of education and lack of sufficient health services contribute to spread of infections and difficulties in establishing control measures in Afghanistan
Epidemiology, Protozoa
Tribouley, J.; et al., 1978, Ann. Parasitol., v. 55 (1), 21-31
toxoplasmosis, human, seroepidemiologic survey, complement fixation and passive haemagglutination tests, age of host, possible sources of infection: Guadeloupe; Martinique

Epidemiology, Protozoa
differentiation of vector Triatomidae by veins in wings, application to epidemiology of human trypanosomiasis: Mexico

Epidemiology, Protozoa
Plasmodium vivax, P. falciparum, human, survey, indirect immunofluorescence test, prevalence of antibodies: Costa Rica

Epidemiology, Protozoa
malaria, hookworm, Schistosoma haematobium, humans in rural environment, epidemiology in relation to malnutrition and host age, importance as public health problems: Zambia

Epidemiology, Protozoa
Entamoeba histolytica, human, epidemiologic survey using immunofluorescence and fecal smears: Zaire

Epidemiology, Protozoa
amoebiasis, intestinal and hepatic human forms, diagnosis by indirect immunofluorescence of dried blood samples, value in seroepidemiologic studies

Epidemiology, Protozoa
Trypanosoma cruzi, ecological survey of triatomine vectors disclosed close association of Rhodinus pallescens and Triatoma dimidiata with widely distributed palm tree species; Didelphis marsupialis, Tamandua tetradactyla, and Proechimys semispinosus seem to be principal animal reservoirs: Panama

Epidemiology, Protozoa
malirometric study of young children (seasonal distribution, age-specific parasite prevalence, splenic indices): Malumfashi, Northern Nigeria

Epidemiology, Protozoa
World Health Organization, 1975, WHO Chron., v. 29 (12), 474-481
human malaria, report of worldwide situation as of 1974

Epidemiology, Protozoa
Giardia lamblia, epidemic of giardiasis among employees of mountain resort lodge, epidemiologic investigation implicated lodge's untreated water supply as source of infection: Colorado

Epidemiology, Protozoa
Myxobolus insidiosus in Oncorhynchus tshawytscha, epizootiology, factors affecting prevalence of infection in naturally contaminated waters, no infection could be induced in susceptible fish in disease free water supply: Oregon

Epidemiology, Protozoa
Zeledon, R., 1974, Ciba Found. Symp., n.s. (20), 51-85
Chagas' disease, epidemiology, modes of transmission, and reservoir hosts, review

Epidemiology, Trematoda
Abdel-Kahab, M. F., et al., 1979, Lancet, London (8136), v. 2, 242-244
changing pattern of schistosomiasis, 1955-1979, predominance of Schistosoma mansoni over S. haematobium, Biomphalaria greatly outnumbers Bulinus, public health implications: Difra, Egypt

Epidemiology, Trematoda
Schistosoma mansoni, miracidial chetotaxic index, changes during adaptation of human strain to white mice, use in determining human vs. murine character of natural infections in Guadeloupe, possibility of murine strains infecting humans

Epidemiology, Trematoda
Anderson, R. M.; and May, R., 1979, Parasitology, v. 79 (1), 63-94
Schistosoma spp. infections within snail populations, prevalence, spatial and temporal heterogeneity, duration of larval development and its dependence on temperature, mortality rates of infected and uninfected hosts; comparison of observed patterns with model predictions; new age-prevalence model, predictions compared with observed patterns; implications for overall transmission dynamics

Epidemiology, Trematoda
Dicrocoelium lanceolatum, sheep, annual activity cycle of intermediate hosts (Cionella lubrica, Formica nigricans and P. umbellulata), seasonal variation in number of parasitized ants, effect of climatic factors (temperature, rainfall), application to forecasting method: Limousin

Epidemiology, Trematoda
Schistosoma mansoni, increasing incidence in local inhabitants, studies suggest that schistosomiasis has now been implanted as an autochthonous disease in Kinshasa region of Zaire
Epidemiology, Trematoda
Schistosomiasis, humans, extensive malacological, biological, clinical, and epidemiological survey, concluded that S. mansoni has been established as autochthonous disease in Kinshasa, Zaire

Epidemiology, Trematoda
Fasciola hepatica (Australian strain, sheep origin), relative susceptibility of indigenous and exotic Lymnaea spp. and parthenogenetic development of parasite in these species, effect of snail size, potential impact of introduced exotic snails for epidemiology of fascioliasis: Australia

Epidemiology, Trematoda
Schistosoma mansoni in Didelphis azarae (exper.), easily infected but only a few non-viable eggs are passed with feces, probably unimportant in epidemiology

Epidemiology, Trematoda
Bousfield, D., 1979, Nature, London (5714), v. 279, 573-574
Schistosoma mansoni, human, rapid increase in size of endemic area, migrant workers as major factor, control programs, review: Brazil

Epidemiology, Trematoda
Bozdech, V.; and Moronfoye, I. S., 1974, Parasitol., v. 15 (3), 141-150
Schistosoma haematobium, humans, incidence, host age and sex, hematuria: Kaduna, northern Nigeria

Epidemiology, Trematoda
Schistosomiasis, consequences of introducing aggregation into models of transmission, emphasis on Macdonald's model

Epidemiology, Trematoda
Schistosoma japonicum, human, prevalence survey: Tropin and 8 neighboring towns, Sorong Province, Republic of Philippines

Epidemiology, Trematoda
Schistosoma mansoni, extensive survey for possible role of rodent reservoir hosts in the epidemiology of human schistosomiasis; rodents thought to become parasitized when using brooks and lake tributaries containing cercariae shed by planorbids living in these waters: Lago da Pampulha, Belo Horizonte, Brasil

Epidemiology, Trematoda
Schistosomiasis mansoni, statistics of survey of infected persons who had lived permanently outside of endemic areas from 1-30 years without possibility of reinfestation, length of infections, pathology, therapy: Brazil

Epidemiology, Trematoda
Schistosoma haematobium, human, prevalence survey: lower Wabi Shebelle Valley, southeastern Ethiopia

Epidemiology, Trematoda
Farag, H. F.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (9-10), 188-190
Fasciola spp., focus of human infection in Nile Delta, epidemiological survey, incidence of eggs in human and domestic animal feces, identification of species infecting humans not yet determined: Egypt

Epidemiology, Trematoda
Fuller, G. K.; Lemma, A.; and Haile, T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 526-530
Schistosoma mansoni, epidemiological survey of resident population, snail vectors, and wild animals after reports of infection in tourists and campers to Omo National Park, importance of infection to future developmental plans: Omo National Park, southwest Ethiopia

Epidemiology, Trematoda
Fasciola hepatica, sheep, Lymnaea truncatula population density determined by adequate rainfall, parasite transmission mainly 'over-wintering' variety, 'summer infection' and acute fascioliasis outbreaks in above average rainfall: Central Highlands, Ethiopia

Epidemiology, Trematoda
Schistosoma mattheei, humans, 3 case reports, differentiation from S. intercalatum on basis of ova morphology, clinical presentation, and epidemiology: Bulinus africanus is probable vector: Zambia

Epidemiology, Trematoda
Fasciola hepatica, calves, Galba truncatula, epizootiology (ameliorated and unameliorated pastures, population density of G. truncatula, soil structure, vegetation, hydrological and climatic factors); importance of melioration for complex fascioliasis control program: Potsdam, East Germany

Epidemiology, Trematoda
James, C.; and Prah, S. K., 1978, J. Helminth., v. 52 (3), 221-234
Schistosoma mansoni, S. haematobium, penetration efficiency and selective capacity of miracidia based on infection rates produced in Bulinus pfeifferi and B. globosus respectively, scanning capacity also compared in increasing volumes of water, over increasing horizontal distances, and in running water of different flow rates, effect of miracidial density, epidemiological implications
Epidemiology, Trematoda
Jordan, P.; et al., 1978, Bull. World Health Organ., V. 56 (6), 965-973
Schistosoma mansoni in humans, results of control program that provided piped water supply to households vs. use of public standpipe system, 2-year follow-up: St Lucia

Epidemiology, Trematoda
Schistosoma mansoni, epidemiology, Trematoda

Epidemiology, Trematoda
Schistosoma mansoni, human, prevalence, distribution, relationship to altitude: Ethiopia

Epidemiology, Trematoda
Schistosoma mansoni in Rattus rattus, epidemiology: Guadeloupe

Epidemiology, Trematoda
Fasciola hepatica, sheep, assessment of earlier forecast, practical interest for large scale use as guide in establishment of control programs: Limousin

Epidemiology, Trematoda
Lewert, R. M.; Yogore, M. G., jr.; and Blas, B. L., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 1010-1025
Schistosoma japonicum, human, prevalence and intensity, morbidity (hepato- and/or splenomegaly, height and weight, symptomatology), host age and sex: Parrio San Antonio, Basey, Samar, The Philippines

Epidemiology, Trematoda
Louzada, J. L. Z., 1974, Rev. Brasil. Med., v. 31 (5), 189-190
Schistosoma mansoni, humans, epidemiologic survey in Sao Valentim, Rio Grande do Sul

Epidemiology, Trematoda
Schistosoma mansoni, epidemiologic study of area around the Americana reservoir after several autochthonous human cases of schistosomiasis were reported from this area: Sao Paulo, Brazil

Epidemiology, Trematoda
Schistosomiasis, human, present and future disease situation around proposed man-made lake, vector survey, brief discussion of control measures: Mtera, Tanzania

Epidemiology, Trematoda
Schistosoma japonicum, humans, diagnosis, improved procedures for circumoval precipitin test and for preparing egg antigen, comparative study on test reading techniques, highly sensitive for mass examination in endemic areas: Leyte

Epidemiology, Trematoda
Fasciola hepatica, sheep grazing on irrigated vs. non-irrigated pastures, temporal distribution of acquisition of infection, influence of infection on productivity, outline of suitable treatment regimen: northern Victoria

Epidemiology, Trematoda
Schistosoma mansoni in Rattus rattus and R. norvegicus, survey by immunofluorescence, variation in rate of infection and in antibody titers in 3 different biotopes, possible explanations: Guadeloupe

Epidemiology, Trematoda
Fasciola hepatica, epidemiologic survey for possible causes of human fascioliasis in the central highlands of Peru

Epidemiology, Trematoda
Schistosomiasis, update on control program initiated in 1953 in Puerto Rico

Epidemiology, Trematoda
Opisthorchis felineus in cyprinid fishes and Bithynia leachi, potential focus for human infection: Urals river basin

Epidemiology, Trematoda
Schistosoma mansoni, human, prevalence 1967 to 1973 by occupation and tribe, animal exposure and snail examination revealed no evidence for current transmission, possible reasons; 1 case of S[chistosoma] haematobium found: Lake Naivasha, Great Rift Valley, Kenya

Epidemiology, Trematoda
Parae, W. L.; and Correa, L. R., 1978, J. Parasitol., v. 64 (5), 822-826
Schistosoma mansoni, differential susceptibility of Biomphalaria tenagophila (exper.) from 20 localities to infection with single strain of schistosome, results seem to indicate that process of adaptation between S. mansoni and B. tenagophila is evolving, possible expansion of schistosomiasis to wide South American area where B. tenagophila occurs
Epidemiology, Trematoda
Pointier, J. P.; and Theron, A., 1979, Ann. Parasitol., v. 54 (1), 43-56
Schistosoma mansoni, distribution and population dynamics of Biomphalaria glabrata, prevalence of infection, rhythm of presence and density of cercariae: freshwater mangrove, Guadeloupe, French Antilles

Epidemiology, Trematoda
Schistosoma mansoni, humans, transmission dynamics of endemic infection based on survey of inhabitants of small village in Ethiopia

Epidemiology, Trematoda
Schistosoma haematobium, males aged 5-20, prime environmental contaminants responsible for more than 77% of infection transmission, need for control measures: Malumfashi area, northern Nigeria

Epidemiology, Trematoda
Schistosoma haematobium, human, survey, age group and sex-specific prevalence and intensity, decline in transmission since 1971, possible impact of new dams: Malumfashi District, Kaduna State, Nigeria

Epidemiology, Trematoda
Saliternik, Z., 1979, Trop. and Geogr. Med., v. 31 (2), 175-184
Schistosoma mansoni, S. haematobium, human, control and eradication, historical review: Israel

Epidemiology, Trematoda
Fascioliasis, sheep, epidemiology: seasonal patterns of metacercariae, parasite stages overwintering on pasture: Denmark

Epidemiology, Trematoda
Schistosoma haematobium, seasonal patterns in transmission, epidemiology in school children, control by winter application of molluscidic: Rhodesia

Epidemiology, Trematoda
Schistosoma mansoni, human, morbidity in relation to prevalence and intensity, host age and sex, importance of environmental factors such as ecology of transmission and presence of malaria: Nduru, Kisumu, Kenya

Epidemiology, Trematoda
Schistosoma mansoni, S. haematobium, longitudinal study of seasonal changes in vector snail populations and infections, prevalence of human infection: Bong Country, Liberia

Epidemiology, Trematoda
Fasciola gigantica, cattle, sheep, and goats, epidemiology, economic importance, prophyaxis: Niger

Epidemiology, Trematoda
Changes in small population following construction of small dam, potential importance in transmission of Schistosoma haematobium and S. mansoni: Malumfashi Endemic Diseases Research Project, Nigeria

Epidemiology, Trematoda
Schistosoma mansoni, transmission site, density of vectors (Biomphalaria glabrata), density of infected vectors, cercarial density, distribution of schistosomiasis in rats and humans, division of site into sectors as a function of (1) potential for transmission, (2) vector contamination, and (3) risk of contamination of final hosts, relative responsibility of man and rats in infestation of vectors: Guadeloupe

Epidemiology, Trematoda
Fasciola gigantica, epidemiological survey, seasonal appearance of cercariae in aquatic rice field, longevity of metacercariae on rice straw after harvest, establishment of frequency and timing of anthelmintic application (rice straw used as roughage for stabled cattle, cattle manure used as fertilizer in rice fields): Japan

Epidemiology, Trematoda
Schistosomiasis, children, health handicap in underprivileged peoples, comparative study of those with and without infection in both black and white races in Southern Africa

Epidemiology, Trematoda
Fasciola hepatica in Lymnaea truncatula, curvilinear relationship between miracidial density and snail density as manifested by successful establishment of an infection in small host, level of parasitization not related exponentially to temperature, depth of free water overlying mud surface was absolute requirement for miracidia to successfully infect snails

Epidemiology, Trematoda
Schistosomiasis, epidemiology and control, present situation and priorities for further research
Epidemiology, Trematoda
schistosomiasis japonica, human, plasma circumoval precipitin test proposed as basic diagnostic tool for epidemiologic studies: Philippines

Epidemology
[Trypanosoma] cruzi, humans, association between epilepsy and chronic parasitic infection

Epidemology
Taenia solium (cerebral cysticercosis), association with burns and epileptic fits in mountain people of central highlands of Irian Jaya, New Guinea, Indonesia

Epilepsy
Cerebral cysticercosis, human, as cause of epilepsy, case report: Irian Jaya, Indonesia

Epilepsy
Wo, W. Q.; and Fritzlen, T., 1976, Surg. Neurol., v. 5 (6), 333-335
Cerebral schistosomiasis mansoni, 30-year-old Saudi Arabian student, parasite-associated major epileptic seizure resulted in subluxation of cervical spine, surgical therapy: Missouri (had frequently visited Egypt)

Epizootiology. See Epidemiology.

Erythrocytes. See Blood.

Esophagus. [See also Digestive system]

Esophagus, Host
Trypanosoma cruzi, exper. infections in rhesus monkeys, electrocardiographic and histopathologic changes

Esophagus, Host
Chagas megasphagus, humans, abnormally increased pressure of lower esophageal sphincter

Esophagus, Host
Human Chagasic megasphagus, role of neurosecretory vesicular component

Esophagus, Parasite
Geraert, E., 1979, Nematologica, v. 25 (1), 1-21
Free-living, plant parasitic, and animal parasitic nematodes, interdependence of body length, body width, and esophagus length during post-embryonic growth

Esophagus, Parasite
Ohmori, Y.; Yoshimura, H.; and Ishigooka, S., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (1), 24-35
Strongylidea, 29 species, comparative study of 5 types of esophageal cuticular lining

Esophagus, Parasite
Ascaris lumbricoides, pumping mechanism of esophagus

Esophagus, Parasite
Aspiculuris paskitaniaca from Rattus rattus, description of cephalic region, buccal capsule, and esophagus, distribution of nuclei in esophagus

Esophagus, Parasite
Vincent, A. L.; et al., 1978, J. Parasitology, v. 64 (5), 775-785
Wuchereria bancrofti, infective stage, ultrastructure of anterior alimentary tract, functional implications

Estrus. See Hormones; Reproduction.

Ethiopia
Fuller, G. K.; Lemma, A.; and Haile, T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (3), 526-530
Intestinal parasites, population survey, inhabitants of Omo National Park, Ethiopia (Schistosoma mansoni; Fasciola gigantica; Taenia spp.; Ascaris lumbricoides; Trichuris trichiura; Ancylostoma duodenale; Entamoeba histolytica; Giardia lamblia)

Ethiopia
Helminths, domestic and wild animals, host-parasite list: Ethiopia

Ethiopia
Survey of intestinal helminths in zebu cattle: Kofele (South of Arussi, Ethiopia) (Gongylonema pulchrum; Cotylophoron cotylophorum; Paramphistomum dubnynyi; Hemonchus contortus; Moniezia expansa; Bunostomum phlebotomum; Cooperia punctata; C. pectinata; Trichostrongyulus sp.; Nematodirus sp.; Oesophagostomum (Rosicola) radiatum; Fasciola hepatica; F. gigantica; Echinococcus polymorphus; Taenia; Echinococcus granulosus; Taenia hydatigena (Cysticercus tenuicolli); Thelazia rhodesi)

Ethnic groups and racial stocks
Scabies, dermatology records support observation that, under similar environmental circumstances, whites appear to be more susceptible to infestation than blacks

Ethnic groups and racial stocks
Plasmodium vivax/ovale, prevalence rates for Nilotic and Hamitic-Semitic populations residing together in small town show that the two ethnic groups are innately different in susceptibility to patent infection with vivax malaria: Ethiopia
SUBJECT HEADINGS

Ethnic groups and racial stocks

Toxoplasma gondii, epidemiologic survey of Indians of the Upper Xingu River (indirect immunofluorescence), comparison with 2 other surveys made in different geographic areas and in populations of more advanced areas of civilization (Sabin-Feldman dye test), little significant differences: Brazil

Kammerer, W., 1975, South African Med. J., v. 49 (35), 1441-1443

Toxoplasma gondii, serological survey of pregnant women by racial and age groups; results in relation to epidemiology, complications, diagnosis and treatment: Bloemfontein area

Ethnic groups and racial stocks
Buck, A. A.; Anderson, R. I.; and MacRae, A. A., 1978, Tropenmed. u. Parasitol., v. 29 (3), 253-268

polyparasitism, humans, epidemiology, assessment of combined effects of multiple infections on an individual's state of health, comparative analysis of field data obtained from several tropical villages

Ethnic groups and racial stocks

Toxoplasmosis, Asian women especially Malays, high infection rate, high rates of abortion, congenital anomalies, and low birth-weight infants, possible relationships: Singapore

Ethnic groups and racial stocks

Toxoplasma gondii, human, hemagglutination test, seropositivity rates significantly different in Indonesians vs. Chinese but not between sexes: Jakarta, Indonesia

Ethnic groups and racial stocks

Toxoplasma gondii antibodies, human, prevalence survey by areas and ethnic groups: Natal, Eastern Cape, Western Cape, South West Africa, and Botswana regions of Southern Africa

Ethnic groups and racial stocks
Kammerer, W. S.; et al., 1977, Trop. Doctor, v. 7 (3), 105-108

Clonorchiasis, incidence survey in Chinese immigrants living in New York City

Ethnic groups and racial stocks

helminthic infections, intestinal protozoa, prevalence and intensity among ethnic groups: Singapore

Ethnic groups and racial stocks

Giardia lamblia, epidemiology of outbreak in day-care nurseries, transmission apparently person-to-person, more Canadian children were symptomatic and infected than were immigrant children attending the nurseries, infections cleared with metronidazole or atabrine, control measures suggested including treatment of all infected children regardless of whether they were symptomatic: Toronto, Canada

Ethnic groups and racial stocks

human hookworm, extensive epidemiologic survey and control campaign conducted 1956-1972: rural Surinam

Ethnic groups and racial stocks
toxoplasmosis, Brazilian Indians (Kren-Akorore) who have had only recent contact with civilized man, serological survey using immunofluorescence and hemagglutination, high degree of positive tests: Xingu National Park

Ethnic groups and racial stocks
[Letter]
intestinal parasites, humans, prevalence in 3 ethnic groups (Mexican-American, Punjabi, Caucasian): Cantua Creek, California

Ethnic groups and racial stocks
Martin, S. K.; et al., 1978, Lancet, London (8083), v. 1, 466-468
Plasmodium falciparum, low erythrocyte pyridoxal-kinase activity in serum of non-infected Black and White races in comparison to that of infected Black persons; possible relation to malarial infection, possibly requirement of parasite

Ethnic groups and racial stocks
toxoplasmosis, human serological survey of 4 ethnic groups: Transvaal, South Africa

Ethnic groups and racial stocks
Miller, L. H.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1069-1072
Plasmodium vivax, 13 American blacks infected while in Vietnam were all Duffy blood group positive, lends support to hypothesis that Duffy negative genotype is basis for resistance of blacks to vivax malaria

Ethnic groups and racial stocks
hookworms and other intestinal helminths, children, prevalence and intensity over 22-month period, host age, sex, and religion, seasonal distribution: rural West Bengal
Ethnic groups and racial stocks


hookworms, acquisition and loss by children over 22-month study period, host age, sex, and religion, seasonal patterns, extrapolation of estimates for larval efficiency and adult life spans: rural West Bengal

Ethnic groups and racial stocks


Schistosoma mansoni, hepatic form, survey of racial admixture and ahaaptoglobinemia. Negroes have higher resistance to development of severe infection than do other racial groups: Brazil

Ethnic groups and racial stocks


Chagas disease, autopsy survey of cardiac associated infections, possible association between Chagas infection and the Negro race: Bahia, Brazil

Ethnic groups and racial stocks

Oomen, J. M. V., 1979, Trop. and Geog. Med., v. 31 (3), 89-93

body build and nutritional status of three ethnic groups inhabiting same locality, effects of infections including malaria, Schistosoma haematobium and hookworm: Northern Nigeria

Ethnic groups and racial stocks


males of 3 ethnic groups and 3 age groups inhabiting same locality, haematological status (including anemia), spleen and liver enlargement, immunoglobulin status, malaria parasite rates, other parasite infections, possible associations between these and other factors (including nutrition, sickle cell trait, altered immune response to malaria): Northern Nigeria

Ethnic groups and racial stocks


urinary excretion of chloroquine in different ethnic groups, study of healthy volunteers

Ethnic groups and racial stocks


Toxoplasma gondii, human, seroepidemiological survey, prevalence in relation to geographic region, age, sex, rural vs. urban residence, skin color, blood group, occupation, contact with animals: Brazil

Ethnic groups and racial stocks


intestinal parasite load in relation to serum IgG levels in individuals from 2 ethnic groups from North and South Rwanda

Ethnic groups and racial stocks


Plasmodium falciparum, P. vivax, human (Duffy blood group positive and negative, black and white), indirect fluorescent antibody titer, slide-demonstrated infection rates, Duffy negative genotype appears to be factor in resistance to P. vivax: Honduras

Ethnic groups and racial stocks


Sarcocystis, human, indirect fluorescent antibody test using Sarcocystis fusiformis as antigen, antibody prevalence varies among 4 ethnic groups (Orang Asli, Malays, Indians, Chinese), some sera also reacted positively to Toxoplasma: West Malaysia

Ethnic groups and racial stocks


schistosomiasis, children, health handicap in underprivileged peoples, comparative study of those with and without infection in both black and white races in Southern Africa

Ethnic groups and racial stocks


Leishmania braziliensis, human, rapidity of evolution and end consequences of espundia, differences between indigenous Amerinds and persons of African ancestry: Yumeas district, Bolivia

Ethnic groups and racial stocks

Ward, W. B.; et al., 1979, Trop. and Geog. Med., v. 31 (1), 155-164

guinea worm, survey of villagers from 5 communities during epidemics to determine disease-associated attitudes, beliefs, and practices, differences between 2 ethnic groups, implications for health education: Southern Ghana

Ethnic groups and racial stocks

Zigas, V., 1977, Sex. Transmit. Dis., v. 4 (2), 63-65

Trichomonas vaginalis, comparative evaluation of infection prevalence in Melanesians vs. Caucasian ethnic groups, correlations by age, sex, parity, and place of residence: New Britain Island, Papua New Guinea

Europe

Coring, J., 1977, Tierarztl. Umschau, v. 32 (8), 407-408, 410

governmental parasite control and nonhylaxis measures within the European countries, survey

Evolution. [See also Adaptation; Genetics]

Evolution


Hoplopsyllus pectinatus sp. nov., Cediosyylia tepolita sp. nov., adaptation to host (a Paleolaginae rabbit), striking examples of slow evolution of parasites of "living fossill"; similarity with Nesolobus callosus, a species of flea parasitic on Nesolagus (an Old World Paleolaginae rabbit) belonging to the Archaeopsyllinae rather than the Spilopsyllinae
Evolution
Carophyllidea, status in system of flatworms, embryogenesis and adult tissue organization compared with other cestodes; Carophyllidea considered more primitive than other cestodes; taxonomic status of cestodes unsolved

Evolution
Clelandia, remarks on diagnosis and validity, comparisons and affinities with Parvitaenia and Neogryporhynchus, phylogenetic links of Parvitaenia with other genera infesting Ticioniformes

Evolution
Proteocephalidea, evolutionary history, morphological, zoogeographical, and host relationships, proposed classification

Evolution
host-parasite coevolution, context and extent, phenomena of co-accommodation and co-speciation

Evolution
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Nematoda of Tragulidae, evolutionary origins and adaptations to hosts in relation to host evolution

Evolution
congeneric parasite species coexisting in same host species, evolutionary and ecological considerations

Evolution
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Evolution
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Evolution
Earl, P. R., 1979, Tr. Am. Micr. Soc., v. 98 (4), 549-557
opalinids, taxonomy and problems of identification, factors of zoogeographical distribution (Metacill's land bridges, continental drift and anuran dispersal)

Evolution
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Evolution
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nematodes, 4 ecological groups (hydrobiont, saprobiont, phytohelminth, zoohelminth), typical morphophysiological traits

Evolution
plagiorchid trematodes, life cycles, modifications of normal 3-host life cycle (progeneis and elimination of metacercaiae), evolutionary significance of these tendencies, possible origin of certain amphibian parasites

Evolution
Guttekova, A.; and Zmoray, I., 1979, Biologia, Bratislava, s. B, Zool. (1), v. 34 (2), 97-105
Nematodirus filicollis, ultrastructure of body wall and intestine, influence of ecological factors on morphogenesis, phylogenetic aspects

Evolution
Pentastomida, systematic position evaluated, evolution discussed "Within the phylogenetic system the Pentastomida are to be placed as a special class of the Articulata between the Tardigrada and the Myriapoda progeneata, but they seem to be more closely related to the latter."

Evolution
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Ixodes ricinus, polymorphism at α-glycerophosphate dehydrogenase locus detected by electrophoresis, allele and genotype frequency patterns in natural tick populations, physiological and behavioral correlates of alternate genotypes (susceptibility to desiccation, locomotory efficiency), sex and locality differences, results provide evidence that polymorphism serves adaptive function and suggest factors that may be involved in selective maintenance of variability in natural populations: Ireland

Evolution
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Ixodes ricinus, samples from several Irish localities and from spring and autumn ticks collected in one area, detection by electrophoresis of very high allelic variation at locus coding for phosphoglucomutase, allele frequency patterns, both spatial and temporal genetic differentiation exist, possible use of this polymorphism in population and taxonomic studies, possible adaptive significance of polymorphism in autecology of parasite

Evolution
evolution of nematode parasitism by adaptation to host organism, review

Evolution
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ontogeny and evolution of cestodes
Evolution

free-living and symbiotic Turbellaria, patterns of nutritional physiology, their implications for evolution of endoparasitism

Evolution

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Evolution

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Schistosoma mansoni, relationship among mast cell mediators, complement, and preferential killing of schistosomula by the human eosinophil, review; speculations as to why, in phylogeny, humans might have developed and retained acute allergic response

Evolution

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Pleurogenidae, Lecithodendriidae, Plagiorchididae, parasites of bats, morphology, localization in host intestine, and mode of feeding briefly discussed as examples of adaptive evolution of the parasites

Evolution

Echinophthiriidae

Evolution

Psocodea, phylogenetic relationships of five taxa analyzed cladistically, evaluation of character complexes, theoretical aspects of phylogenetic inferences on origin of higher taxa

Evolution

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Piroplasmida, distribution in different host groups and zoogeographic regions, speculations on phylogeny

Evolution

Triaenophorus, monographic review of morphology, life cycle, development, geographic distribution, interrelation with host and pathogenic role, host specificity, species formation; key to species, host list, synonymy, includes: T. nodulosus (Pallas, 1778), T. amurensis Kuperman, 1968; T. stizostedionsis Miller, 1945; T. crassus Forel, 1868; T. meridionalis Kuperman, 1968; T. orientalis Kuperman, 1968

Evolution

Eubothrium rugosum, Bothriocephalus gow-kongensis, oncosphere, procercoid, pleocercoid, segment ultrastructure; evolution of cestode tegument briefly discussed

Evolution

Gyrodactylus sp. from Carassius auratus, chetotaxy, hypothesis on neotenic origin of Gyrodactylidae from same ancestral stock as Polypodisthodylae

Evolution

Monogenea, congeneric concurrent parasitism of fish gills, spatial distribution related to coevolution of competitive species, simultaneous hermaphroditism aids reproduction in restricted environment, review

Evolution

Dilelidorophorinae, 12 spp., morphological variations, comparison of possible evolutionary paths in parasites and in their fish hosts, key to species

Evolution

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Plasmodium parasites, evolution

Evolution

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Euglenoidina of Copepoda, stages of adaptation to parasitism

Evolution

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Cithidia fasciculata, Leishmania tropica, Trypanosoma brucei, comparison of ribosomal RNAs, possible evolutionary significance

Evolution

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evolutionary origin of intracellular parasitism, speculative review

Evolution

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Microcoelidae, congeneric concurrent parasitism and their role in evolution

Evolution

Ctenophthalmus agyrtes subsp., identification and geographical distribution, evolution: Deutschland

Evolution

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Ixodes trianguliceps, manifestations of acquired resistance in successive infestations of unnatural host (laboratory mice) but not of natural host (Apodemus sylvaticus), relevance to concept of host-parasite co-evolution and to tick population regulation
Evolution
Riley, J.; Banaja, A. A.; and James, J. L., 1979, Internat. J. Parasitology, v. 9 (4), 245-254
Pentastomida, assessment of recent evidence regarding phylogenetic affinities, concluded that pentastomids should properly be regarded as a sub-class of Crustacea, closely related to the sub-class Branchiura

Evolution
gill parasites of marine fish, species numbers and microhabitat utilization at different latitudes, assumption of greater evolutionary speed in tropics as probable explanation of latitudinal gradients in species diversity (more species in tropical than in cool water fishes)

Evolution
Microscaphidiidae, phylogenetic relationships discussed "it is best to treat microscaphids as distinct from amphistomes, as a separate group until information on their life-history patterns is available."

Evolution
Plasmodium falciparum, gametocyte and gamete development, ultrastructure of gametocytes from blood of naturally infected Gambians compared with immature forms from blood of chloroquine treated patient, functional morphology, cyogenetics, phylogeny

Evolution
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Orothodiplostomum psychocheilus infection not found to affect stamina of Richardsonius balteatus, evolutionary implications; multivariate contingency table analysis of data

Evolution
Schistosoma intercalatum, morphology of cercarial glands; aggregates of cercariae formed by adhesive post-acetabular gland secretions, physical factors triggering aggregation behavior and impaireing invasion of final host; hybridization with S. haematobium and fate of hybrids among natural populations; hypotheses on cercarial aggragation behavior and natural hybridization as factors limiting distribution of S. intercalatum

Evolution
helminth life cycles, role of amphixeny (host having double function in life cycle) in their evolution, theoretical review

Evolution
Leishmania spp. amastigotes in blood cells (primarily thrombocytes) of Teratococcus scincus and Agama agilis, evolutionary implications: Pakistan

Evolution
Catenotaenia, systematic reorganization, diagnosis, hypothetical evolution

Evolution
Tifiova n. gen., taxonomy, convergent evolution, zoogeography and ecology

Evolution
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Eimeria tenella, ribosomes, purification from oocysts, characterization, biochemical activity, pharmacological properties, all evidence demonstrates prokaryotic characteristics of these ribosomes and suggests that the parasite may be one of the most primitive eukaryotes

Evolution
ectoparasites of Zapus spp., evolutionary and zoogeographical relationships: western North America

Evolution
Trypanosoma evansi, morphology, size variation in relation to host species, geographic location, infection density, and host resistance; phylogenetic origin

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nematodes, catecholaminergic neurones, histochemical localization, stability in number and position suggests conservatism of morphological and chemical structure of nervous system

Excretory system, Parasite
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Diplodiscus subclavatus, D. fischthalicus, cercariae, comparison of excretory system and chetotaxy

Excretory system, Parasite
division of echinostome cercariae into 3 main groups (Echinosolenata; Echinobisolina; Echinopolyxenata) based on their excretory system

Excretory system, Parasite
Ascaridia galli, Cotylophoron cotylophorum, Raillietina cesticillus, histochemistry of excretory systems, localization of lipids, carbohydrates, and hydrolytic enzymes; substance transportation and ionic regulation discussed
Excretory system, Parasite
Ochetosoma aniarum, metacercariae, early ultrastructural development of excretory bladder

Excretory system, Parasite
Stellantchasmus falcatus, cercariae, fine structure of secretory vesicle

Excretory system, Parasite
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Spirometra erinacei, plerocercoid and adult worms, transmission and scanning electron microscopic study of excretory canal, functional morphology

Excystation. See Cysts.

Exsheathment. See Ecdysis.

Eye
human ocular cysticercosis, pathology, possible complications, currently used surgical procedures and new technique described: Brazil

Eye
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Toxoplasma cyst in Macropus rufogriseus (retina, brain), ocular pathology, case report: Whipsnade Park, London Zoo

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allergic granulomatous nodules of the eyelid and conjunctiva, humans, several cases caused by unidentified nematodes, clinical, histological and pathological features

Eye
Beaver, P. C.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1133-1136
Entamoeba histolytica, 4-month-old girl, infection of skin of eyelid with extension into orbit, case report: Colombia

Eye
Onchocerca volvulus, survey of residents and visitors in 2 Indian villages, high incidence of ocular abnormalities, mainly corneal: Territory of Roraima, Brazil

Eye
Toxocara canis, humans, endophthalmitis, enzyme-linked immunosorbent assay revealed Toxocara-specific antibody in serum and vitreous humor

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human ophthalmohelminthiasis, general review

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Toxoplasma gondii-infected mice, pathologic changes in brains and orbits

Eye
ophthalmomylasis, humans, migration of maggots through subretinal space producing widespread ophthalmoscopic and fluorescein angiographic changes, case reports

Eye
Toxocara canis, 2-year-old boy with concurrent ocular and visceral toxocariasis, case report, parasite-specific antibodies in serum and aqueous humor, response to treatment with prednisone and thiabendazole

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Toxoplasma gondii, ophthalmic changes in children born of mothers who had been treated for chronic infection

Eye
Toxocara species, humans in 20- to 50-year age group, unilocular retinal lesions, pathology, epidemiology

Eye
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Acanthamoeba castellani, farmer, recurrent suppurative kerato-uveitis with loss of eye, infection possibly result of handling barley from which Acanthamoeba was isolated: England

Eye
Acanthamoeba polyphaga keratitis and Acanthamoeba uveitis associated with fatal meningoencephalitis, 3 case reports, extensive clinical presentation, strain characteristics, pathology, diagnostic problems and possibly useful therapeutic agents: Texas

Eye
Phrioxcephalus cincinnatus in Atherestes stomias, morphology, metamorphosis, effect on eye of parasite's presence and activity: Barkley Sound, west coast of Vancouver Island; sea area adjacent to west coast of Vancouver Island

Eye
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Cysticercus cellulosae, human eye, pathology, clinical aspects, case reports
Toxoplasma gondii, outbreak of toxoplasmosis in 6 of 7 members of one household with index case manifesting retinochoroiditis, undercooked lamb implicated as probable source of infections, case reports with clinical features, diagnostic serology: New York City

Toxoplasma gondii, woman, case report, cysticidal activity subsequently isolated

Cysticercus cellulosae, clinical case report, histologic diagnosis

Onchocerca volvulus, human eye, atrophy of disc of optic nerve, discussion of possible etiology, possibly an antigen-antibody reaction

Hartmannella infection of eye, woman, pathology, case history

American (mucocutaneous) leishmaniasis, human (eye), interstitial keratitis, case report, differential diagnosis, amphotericin B: Brazil

Toxocara canis in 2 siblings of 2 separate families, decreased vision, diagnosis, enzyme-linked immunosorbent assay

Hartmannella infection of eye, woman, pathology, case history

Ocular toxocariasis, 17 children, clinical, serologic, and epidemiologic characteristics

Ocular toxoplasmosis, cause of blindness in children

Ocular toxoplasmosis after patient developed retinitis, material from lymph node biopsy injected into mice from which the parasite was subsequently isolated

Cysticercus cellulosae, solitary cyst in eyelid of young girl who several years previously had lived for 2 years in Vietnam and Laos, clinical case report, histologic diagnosis

Toxocara canis in 2 siblings of 2 separate families, decreased vision, diagnosis, enzyme-linked immunosorbent assay

human ocular toxoplasmosis, clinical, diagnostic and therapeutic review

Acanthamoeba spp. isolated from human eye infections, clinical report, in vitro trials of compounds for possible amoebicidal and cysticidal activity

Toxoplasma gondii, woman, case report, acquired systemic infection presenting as infectious mononucleosis syndrome, diagnosed as toxoplasmosis after patient developed retinitis, material from lymph node biopsy injected into mice from which the parasite was subsequently isolated

Demodex gapperi in Clethrionomys gapperi of eyelid closures, histopathology: born in captivity to female captured in Peru, Vermont, U.S.A.; wild-caught in Belchertown, Massachusetts, U.S.A.

Demodex gapperi in Clethrionomys gapperi in captivity to female captured in Peru, Venezuela

Toxoplasma gondii, outbreak of toxoplasmosis in 6 of 7 members of one household with index case manifesting retinochoroiditis, undercooked lamb implicated as probable source of infections, case reports with clinical features, diagnostic serology: New York City

Toxoplasma gondii, outbreak of toxoplasmosis in 6 of 7 members of one household with index case manifesting retinochoroiditis, undercooked lamb implicated as probable source of infections, case reports with clinical features, diagnostic serology: New York City

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Toxoplasma gondii, outbreak of toxoplasmosis in 6 of 7 members of one household with index case manifesting retinochoroiditis, undercooked lamb implicated as probable source of infections, case reports with clinical features, diagnostic serology: New York City

Toxoplasma gondii, outbreak of toxoplasmosis in 6 of 7 members of one household with index case manifesting retinochoroiditis, undercooked lamb implicated as probable source of infections, case reports with clinical features, diagnostic serology: New York City
Eye

Onchocerca volvulus, humans, epidemiologic survey, parasitological, ophthalmological and immunological aspects: Lusambo, Kasai Oriental, Zaire

Eye

Woo, P. T. K., 1979, Exper. Parasitol., v. 47 (1), 36-48
Trypanoplasma salmositica, successful in vitro culture and subpassage, course of infection in Salmo gairdneri (exper.), clinical signs (anemia, exophthalmia, abdominal distension with ascites, splenomegaly), diagnosis by wet mount examination more sensitive than hematocrit centrifuge technique, evidence of possible antigenic variation
Fats. See Lipids.

Fatty acids. See Lipids.

Fecal examination. See Technique, Fecal examination.

Federation of Malaysia. See Malaysia.

Feeding. [See also Phagocytosis; Pinocytosis]

Feeding
Aleksjev, A. N., 1971, Parazitologiia, Leningrad, v. 5 (5), 592-400

Ixodes persulcatus, technique for artificial feeding of ticks with suspension containing virus of tick-borne encephalitis, applications

Feeding
Amirkhanov, F. M., 1975, Parazitologiia, Leningrad, v. 9 (1), 64-67

Syringophilus bipunctatus, mechanism of feeding on chickens

Feeding
Benton, A. H.; Surman, M.; and Krinsky, W. L., 1979, J. Parasitol., v. 65 (4), 671-672

Ceratophyllum niger, Opisodasys pseudarc-tomys, evidence that larval fleas feed by ingestion of liquid (whether blood or other body fluids) by sucking action and that they are predatory (attacking and killing even others of their own kind)

Feeding

Boophilus microplus, salivary glands during attachment and feeding, gross anatomy, number of cell types and changes in morphology during development, histochemistry, enzymes, physiological functions of cell secretions

Feeding

Psoroptes ovis, morphology of mouthparts, mechanism of feeding

Feeding

Schistosoma mansoni, uptake and fate of exogenous hemeproteins (horseradish peroxidase and hemoglobin) by schistosomes maintained in vitro

Feeding
Brown, S. J.; Bohnsack, K. K.; and Atkins, M. D., 1979, J. Kansas Entom. Soc., v. 52 (2), 258-265

Dermacentor variabilis, nymphs, effects of acclimation humidities on survival and subsequent attachment and engorgement on guinea pigs

Feeding
Davydov, O. N.; and Kosenko, L. Ia., 1972, Parazitologiia, Leningrad, v. 6 (3), 269-273

Ligula intestinalis, amylase in surface layer of plerocercoids and in media in which they were maintained, findings suggest capability of membrane (contact) digestion and absorption of food from host

Feeding

Boophilus microplus, attachment and survival of larvae on skin slices in vitro, influence of temperature, relative humidity, and host factors

Feeding
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Laelaps agilis, description of preadult stages, notes on life history and feeding habits

Feeding
Fried, B.; and Nelson, P. D., 1978, Parasitology, v. 77 (1), 49-55

Zygocotyle lunata in domestic chicks, gross and histopathological effects on caecal tissues, feeding by worms on caecal debris, stunting due to worm crowding

Feeding

Argas persicus, Ornithodoros tholozani, O. moubata, effects of several laboratory animals on tick feeding behaviour and reproduction

Feeding
Gerasimova, N. G., 1971, Parazitologiia, Leningrad, v. 5 (2), 137-139

Xenopsylla skrjabini, X. nuttalli, females, rate of maturation (as assessed by darken-ing of spermatheca) depends upon number of feedings and environmental temperature

Feeding

Hippobosca longipennis, biology in Egypt, laboratory observations: adult emergence, feeding mechanism, frequency and amount of blood meal, tolerance to starvation, sexual maturity, mating behavior, sex ratio, intrauterine larval development, larviposition and description of 3rd larval stage, adult longevity and fecundity, description of pupa, pupal duration (effect of temperature, relative humidity, and host)

Feeding

Hippobosca equina, field-collected and laboratory-reared on guinea pigs, biology, adult males vs. females (feeding, longevity of starved adults in 2 seasons, longevity of normal adults and fecundity in 2 seasons, effect of presence of males on fecundity of females, sexual maturation, sex ratio); larval stage (larviposition, description, and duration of 3rd larval stage; seasonal intrauterine larval development; pupal stage (duration, effect of temperature and humidity)
Feeding
Hase, T.; et al., 1978, J. Parasitol., v. 64 (4), 712-718
Leptotrombidium spp., mice, local host tissue reactions at sites of feeding, modes of stylomostome (feeding tube) formation, possible importance of stylomostome characteristics to transmission of rickettisial organisms

Feeding
Hefnawy, T.; Khalil, G. M.; and Sidrak, W., 1979, J. Med. Entom., v. 15 (5-6), 445-451
Ornithodoros savignyi, blood meal weight and heme content during developmental cycles, technique for determining exact instar

Feeding
Mesocestoides corti tetrathyridium, microtriches and sensory processes on surface, transmission and scanning electron microscopy, microtriches may have roles in tissue penetration and food uptake

Feeding
Argas arboreus, effect of blood meal weight on nymphal instar numbers

Feeding
Lernaenicus hemirhamphi, head and oral muscles and processes, description, function, method of feeding

Feeding
Horricauda rhinobatidis and Troglocephalus rhinobatidis from Rhinobatos batilum (gills), level of infestation, microhabitat, larval development of Horricauda, possible role of certain structures in attachment and feeding: Queensland, Australia

Feeding
Kearns, G. C., 1979, Internat. J. Parasitol., v. 9 (6), 545-552
skin-parasitic monogeneans of fish, occurrence of gut pigment in relation to habitation (host dorsal vs. ventral surface), pigment distribution in upper skin of fish hosts, chemical nature of pigment; Entobdella soleae does not contain gut pigment and does not damage host dermis during feeding

Feeding
Khotenovskii, I. A., 1972, Parazitologiya, Leningrad, v. 6 (1), 79-82
Pleurogenidae, Lecithodendriidae, Plagiocelliidae, parasites of bats, morphology, localization in host intestine, and mode of feeding briefly discussed as examples of adaptive evolution of the parasites

Feeding
Dermacentor spp., Ixodes persulcatus, experimental studies of salivation

Feeding
Dermacentor spp., Ixodes persulcatus, experimental studies of salivation

Feeding
Amblyomma hebraeum, repeated feeding on rabbits and sheep, tick yield, engorged weight, and engorgement period, no acquisition of resistance by host, seasonal fluctuations in engorged weights appear to be due to changes in host physiology as result of low temperature acclimation, tick yield is determined by amount of host grooming, feeding periods of larvae and nymphs are dependent on host skin temperature

Feeding
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Amblyomma hebraeum, repeated feeding on rabbits and sheep, tick yield, engorged weight, and engorgement period, no acquisition of resistance by host, seasonal fluctuations in engorged weights appear to be due to changes in host physiology as result of low temperature acclimation, tick yield is determined by amount of host grooming, feeding periods of larvae and nymphs are dependent on host skin temperature

Feeding
Argas arboreus, effect of blood meal weight on nymphal instar numbers

Feeding
Lom, J., 1971, Folia Parasitol., v. 18 (3), 121-130
hematophagous arthropods, initiation and regulation of ingestion
SUBJECT HEADINGS

Feeding

Ixodes ricinus, penetration and host tissue reactions during feeding of viruliferous ticks on Mesocricetus auratus (exper.)

Feeding

Bovicola bovis, examination of dietary constituents

Feeding

Anclylostoma caninum, Strongylus spp., methods and modified apparatus for studying in vitro feeding behavior and pharyngeal activity

Feeding

Strongylus edentatus, feeding sites on caecal mucosa of horse, worm intestinal contents, histological study

Feeding

mites from nests of suslik, feeding on flea eggs and larvae and blood and albumen, comments on regular feeding habits; possible influence on flea populations

Feeding
Homestand, B., 1979, Ann. Parasitol., v. 54 (4), 423-448

Cymothoidea of teleost fish, hematophagy, host immune response, biochemical, histological, haematological and biometrical (growth) changes in infected hosts

Feeding

blowflies, parasitic development on living vertebrates, preference for brain tissue when feeding, invertebrates were poor breeding material

Feeding

Plasmodium tropiduri, P. berghei, P. gallinaeum, intraerythrocytic stages, morphological and enzyme cytochemical observations on nagatomyphus

Feeding

Haemopagamasus kitanoi, biology and distribution in Kazakhstan (life cycle, feeding, reproduction, survival, parthenogenesis, starvation periods)

Feeding

Rhipicephalus appendiculatus, rabbits, immune response to different number of ticks feeding at same time, engorgement and molting periods, amounts of blood ingested; density dependent effect possibly due to increased cellular reaction of sensitized host

Feeding

Haemoloma anatolicum excavatum, synthesis and content of prostaglandins in salivary glands, reproductive organs, and egg-batches, higher in females than males

Feeding

Boophilus microplus attached to artificial membranes, feeding electrograms and fluid uptake measurements

Feeding

Amblyomma maculatum, feeding and development, effects of vitamin and mineral deficiencies in host Rattus norvegicus diet

Fertility. See Reproduction.

Fever

Babesia bigemina, cow calves (exper.), clinical symptoms as related to percentage of parasitaemia in various stages of disease as basis for timely diagnosis and treatment, highest parasitaemia at peak of fever

Fiji

arthropod parasites of domesticated livestock: Fiji

Fiji

faecal egg counts, dogs: Fiji

(Ancylostoma caninum; Strongyloides; Toxocara; Trichuris)

Fine structure. See Morphology.

Finland

human intestinal parasites, survey of inmates of institution for mentally retarded, hospitalized patients, military servicemen and prisoners: Finland

(Entamoeba coli; E. hartmanni; E. histolytica; Chlamastix mesnili; Iodamoeba butschlii; Endolimax nana; Giardia lamblia; Trichuris trichiura; Enterobius vermicularis; Diphyllolothrium latum)

Fixation. See Technique, Specimen preparation and preservation.

Fluorescent antibody. See Immunofluorescence.

Foci. [See also Disease transmission; Epidemiology]

Foci
Dubrovskii, Iu. A., 1978, [Gerbilliniae and the natural foci of cutaneous leishmaniasis], 184 pp., illus., maps

cutaneous leishmaniasis, epizootiology, natural foci, role of Gerbilliniae
Forecasting

Bukhtiyrov, V. I., 1978, Veterinariia, Moskva (9), 60-62
Oestrus ovis, sheep, temperature as most significant factor in predicting time of development in relation to season

Forecasting

Fasciola hepatica, sheep, assessment of earlier forecast, practical interest for large scale use as guide in establishment of control programs: Limousin

Forecasting

Haemaphysalis leporispalustris infestations of juvenile and adult Sylviagius floridanus from January 1974-December 1975 in Douglas County, Kansas, relationship to skin-sensitizing antibody production, models used to interpret data show promise for predicting tick population fluctuations and incidence of vector borne disease outbreaks, implications of existence of resistance to tick attachment

Forecasting

parasitic gastroenteritis, lambs, forecasting incidence in late summer, correlation with rainfall of current year and dryness of previous late summer and autumn: England and Wales

Forecasting

Plasmodium vivax, method for determination of periods of disease transmission by analyses of regional or local climatograms: Brazil

Forecasting

Xenopsylla coniformis, population density increases and decreases, yearly cycles and distribution, statistical prediction method, possible factors: Volga-Ural sands

Forecasting

secular trends of annual morbidities of animal infectious diseases (including bovine trichomoniasis), mathematical models, possible application in morbidity forecasting

Forecasting

Thomas, R. J.; and Starr, J. R., 1978, Vet. Rec., v. 103 (21), 465-468
sheep nematodes, pattern of infective larvae on pasture, correlation between time of summer peak and cumulative rainfall, possible use in forecasting onset of major infection in lambs

Forecasting

Ixodes persulcatus, computer analysis of numbers in relation to various ecological factors, including numbers of hosts and climatic conditions, 1962-1976, basis for predicting abundance: Pariumia

Formosa. See Taiwan.

Fossil parasites. See Parasitology, History.

France

Duong, T. H.; et al., 1979, Med. Trop., v. 39 (6), 659-663
parasitological survey, South East Asian refugees: Touraine, France
(Clonorchis sinensis; Heterophyes heterophyes; Trichuris trichiura; Necator americanus; Strongyloides stercoralis; Giardia intestinalis; Entamoeba histolytica)

Freezing. [See also Technique, Specimen preparation and preservation; Temperature]

Freezing

Trichinella spiralis larvae in experimentally infected swine meat, morphological changes and viability following freezing and cryodesiccation

Freezing

Trypanosoma cruzi, parasite survival in frozen infected human plasma, implications for human plasma transfusions

Freezing

Echinococcus, human, surgical evacuation of hepatic cyst using a cryogenic cone, sterilization of cavity with silver nitrate, prevents spillage of cyst fluid and possible anaphylactic shock

Freezing

strongyloid larvae, equine, survived freezing in water followed by immersion in liquid nitrogen, freezing did not affect viability

Freezing

cryopreservation of parasitic protozoa

Freezing

Trypanosoma rangeli from salivary glands and haemolymph of Rhodinus ecuadoriensis, successful preservation in liquid nitrogen, infective for mice after 30 days preservation, with subsequent normal cyclical transmission
Freezing
Toxoplasma, cattle, pigs, Sabin-Feldman dye test; no evidence of infective Toxoplasma in meat stored between 0 and 4°C for 3 weeks, proper cooking of meat excludes the possibility of transmitting toxoplasmosis: Lausanne abattoir

Freezing
Dick, T. A.; and Belosevic, M., [1979], J. Parasitol., v. 64 (6), 1978, 1143-1145
Trichinella spiralis, Churchill isolate from polar bear, infectivity for laboratory animals (mice, rats, golden hamsters), effects of freezing before and after passing in experimental animals

Freezing
Freezing
Filardi, L. S.; and Brener, Z., v. 46 (2), 230-246
Trypanosoma cruzi, laboratory-reared Triatoma infestans, cryopreservation of infective stages within intact vector may be useful for storing laboratory-adapted strains and naturally infected vectors collected in field studies

Freezing
Vairimorpha necatrix, mass production and storage methods

Freezing
Gothe, R.; and Hartmann, S., 1979, Ztschr. Parasitenk., v. 58 (2), 189-190
Aegyptianella pullorum, cryopreservation does not affect ability to propagate in Argas walkerae

Freezing
Chandlerella quisci1, effects of 4 cryoprotectants and 3 freezing methods on survival of microfilariae from Quisculus quisciula, postfreezing viability of microfilariae in young chickens, unsuccessful attempt to infect Culicoides variipennis

Freezing
Ham, P. J.; James, E. R.; and Bianco, A. E., 1979, Exper. Parasitol., v. 47 (3), 384-391
Onchocerca spp., cryopreservation of microfilariae and subsequent development in insect host

Freezing
Toxoplasma gondii cysts, infectivity for white mice after various periods of freezing, role of low temperatures as limiting factor in epidemiology of toxoplasmosis

Freezing
Taenia saginata, freezing times and temperatures required to kill cysticerci in beef

Freezing
Iusupov, K. A.; and Shchetkin, V. Iu., 1971, Parasitologiya, Leningrad, v. 5 (3), 206-211
Leishmania tropica major, optimum procedure for lyophilization of cultures

Freezing
Plasmodium b. berghei, pyrimethamine-resistant strain preserved at very low temperature for 11 years, maintained virulence but lost drug resistance, gametocytogenesis increased, cyclical transmission was successful, parasites crossed blood-brain barrier indicating this strain could serve as laboratory model for P. falciparum cerebral malaria

Freezing
Spironucleus muris, faecal cysts, resistance to physical and chemical factors tested, data may be useful for control of infection in rodents and for cryopreservation of parasite

Freezing
Toxoplasma bradyzoites from Mastomys natalensis (cerebral tissue), not infectious or able to replicate after 24 hours of storage under freezing at -20°C, no intact bradyzoites demonstrable, changes in structure and substance of cells and cysts

Freezing
Michel, R.; et al., 1979, Ztschr. Parasitol., v. 58 (3), 211-251
Toxoplasma gondii, fine-structure changes in trophozoites after deep-freeze preservation with dimethyl sulphoxide

Freezing
Habronema sp. larvae, horses (legs, nares), cryosurgical treatment (double freeze-thaw cycle), good results

Freezing
Babesia major, cryopreservation of infected bovine blood, preserved in liquid nitrogen for use in indirect fluorescent antibody test
Freezing
Raether, W.; et al., 1977, Ztschr. Parasitenk., v. 54 (2), 149-165
Entamoeba histolytica trophozoites, fine-structural changes after deep freezing in liquid nitrogen

Freezing
Raether, W.; and Seidenath, H., 1977, Ztschr. Parasitenk., v. 53 (1), 41-46
parasitic protozoans, survival following prolonged storage in liquid nitrogen, some species successfully recovered after preservation for over 10 years

Freezing
Sauerländer, R., 1979, Ztschr. Parasitenk., v. 59 (1), 53-66
Muellerius capillaris in Cepaea nemoralis (exper.), exposure period, developmental period from 1st to 3rd stage larvae, individual exposure vs. mass exposure, superinfections, infectivity following storage below freezing-point, localization of larvae, host cellular reaction

Freezing
Schiller, E. L.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (8), 997-1000
Onchocerca volvulus, details of methodology for cryopreservation and in vitro cultivation

Freezing
Encephalitozoon cuniculi, propagation in vitro using rabbit choroid plexus (RCP) cells, some factors influencing infectivity and replication (passage level of organisms; passage level, age, and source of RCP cells; antibiotics; storage time and temperature including freezing; elevated temperature; chemical disinfectants; centrifugation; physical and chemical treatments)

Freezing
Stirewalt, M. A.; Lewis, F. A.; and Murrell, K. D., 1979, Exper. Parasitol., v. 48 (2), 272-281
Schistosoma mansoni, cryopreservation of schistosomules

Freezing
Octosporea muscaedomesticae, Nosema algerae, N. whitei, effect of lyophilization on infectivity of spores

Freezing
Giardia intestinalis, cryopreservation

Freezing
Nematodirus spathiger eggs and larvae in water, dry, and in feces, effects of freezing or high temperatures

Fungi
Minchinia nelsoni (MSX), interaction with fungus pathogen Dermocystidium marinum, oysters, MSX prevents B. marinus from becoming epizootic

Fungi
Trichomonas vaginalis, Bodo urinarius, growth in presence of various bacteria and fungi, possible implications

Fungi
Fuxa, J. R., 1979, J. Invert. Path., v. 33 (5), 316-323
Vairimorpha necatrix, interactions with bacterium, virus, and fungus in Heliothis zea (exper.)

Fungi
Neoaplectana carpopuscae, greater mortality of insect hosts in presence of mixed fungal infections

Fungi
Krizkova, L.; Balanova, J.; and Balan, J., 1979, Biologia, Bratislava, s. C, Biol. (1), v. 34 (3), 241-245
antiprotozoal and antinematodal activity of Fungi imperfecti from soil samples collected in Mongolia

Fungi
Lysek, H., 1978, Parasitology, v. 77 (2), 139-141
Ascaris lumbricoides, effect of ovicidal fungus (Verticillium chlamydosporium) on eggs, scanning electron microscopy

Fungi
Lippeurus caponis, Menopon gallinae, Menacanthus stramineus, parasitism by the fungus Tengmoecys histophostorius, resulting damage to fat body and skeletal muscle

Fungi
Giardia lambia-infected vs. normal human jejunum, presence and frequency of Candida albicans and other fungi

Fungi
Stepien, H., 1977, Przegl. Epidemiol., v. 31 (3), 299-303
Enterobius vermicularis, Trichuris trichiura, Ascaris lumbricoides, children, enteric parasites modify quantitatively and qualitatively the host intestinal flora

Fungi
Romanomermis culicivorax parasitized by Catenaria anguillulae, disease controlled by rearing nematodes in water adjusted to a pH of 4.5
SUBJECT HEADINGS

Gametes. [See also Gametogenesis]

Gametes
Abbas, M.; and Cain, G. D., 1979, Cell and Tissue Research, v. 200 (2), 273-284
Acanthocheilus tenuis, in vitro activation and behavior of the asexual hermaphrodite sperm

Gametes
Black, J.; and Smith, B. F., 1977, Microbios Letters (23-24), v. 6, 111-116
Ascaris suum, morphology of male gamete, membrane fusion events during spermiogenesis, functional aspects

Gametes
Ascaris suum, morphology of male gamete, membrane fusion events during spermiogenesis, functional aspects

Gametes
Ornithodoros savignyi, spermatophore evagination

Gametes
Paragonimus ohirai, Eurytrema pancreaticum, spermatogenesis and spermiogenesis, scanning and transmission electron microscopy

Gametes
Hymenolepis diminuta, fine structure of spermatogenesis and spermiogenesis, description of mature spermatozoa

Gametes
Kocan, A. A.; and Kocan, K. M., [1979], J. Parasitol., v. 64 (6), 1978, 1057-1059
Leucocytozoon ziemianni, elongate gametocytes, fine structure

Gametes
Plasmodium yoelii, gametocytes, morphological characters as indication of age, infectivity, and periodicity

Gametes
Acanthocheilus tenuis, nucleocytoplasmic derivative formation during spermiogenesis and its transformation after insemination

Gametes
Neoechinorhynchus agilis, flagellotgenesis, positioning and disorganization of spermatic axoneme

Gametes
Marchand, B.; and Mattei, X., 1979, J. Ultrastructure Research, v. 66 (1), 32-39
Neoechinorhynchus agilis, ultrastructural modification of ovarian ball and spermatozoa after insemination of female, role of passive vs. active penetration

Gametes
Martin, S. K.; et al., 1978, Exper. Parasitol., v. 44 (2), 239-242
Plasmodium gallinaceum, induction of male gametocyte exflagellation by phosphodiesterase inhibitors, implicates cyclic nucleotides in initiation of this process

Gametes
Mokhtar-Maamouri, F., 1979, Ztschr. Parasitenk., v. 59 (3), 245-258
Phyllobothrium gracile, spermiogenesis, spermatozoon ultrastructure, electron microscopy

Gametes
Ixodida, reproduction (gametogenesis, mating, finding, copulation, sperm behavior and longevity, syngamy, oviposition), review

Gametes
Pittillo, R. M.; and Ball, S. J., 1979, Parasitology, v. 79 (2), 259-265
Eimeria maxima, fine structure of developing macrogamete

Gametes
Rees, G. G., 1979, Internat. J. Parasitol., v. 9 (5), 405-419
Cryptocotyle lingua, spermatozoon, spermiogenesis, ultrastructure

Gametes
Myzostomum gopalai, M. striatum, cytochemistry of female gametes, phospholipid nature of conspicuous yolk bodies in oocyte cytoplasm

Gametes
Dermacentor variabilis, D. andersoni, ultrastructure of spermatid

Gametes
Proteocephalus longicollis, spermatozoon, fine structure

Gametes
Wuest, J.; et al., 1978, Ztschr. Parasitenk., v. 35 (1), 91-99
Amblyomma hebraeum, morphology of spermatid and spermatozoon

Gametogenesis. [See also Gametes; Meiosis; Reproduction]

Gametogenesis
Adams, T. S., 1979, J. Med. Entom., v. 15 (5-6), 484-487
Cochliomyia hominivorax, oogenesis, effect of constant temperatures

Gametogenesis
Cochliomyia hominivorax, quantitative and qualitative description of oogenesis
Gametogenesis
Albertson, D. G.; Nwaorgu, O. C.; and Sulston, J. E., 1979, Chromosoma, v. 75 (1), 75-87
Strongyloides papillosus, 2 major karyotypes of eggs from feces of rabbits (ZL2M and L3MS), oogenesis in parasitic females, generation of L3MS karyotype by chromatin diminution, chromosomal mechanism of sex determination

Gametogenesis
Bothriocephalus scorpii, spermatogenesis described

Gametogenesis
Benazzi, M., and Benazzi Lentati, G., 1976, Animal Cytogenet., v. 1, 182 pp. plathyhelminthes, gametogenesis, chromosome pattern, cycles, and evolution, reproductive mechanisms, cytotaxonomy

Gametogenesis
Bogdanov, Iu., 1977, Tsitologiya, v. 20 (4), 460-463
Ascaris suum males, melosis, unusual early formation of synaptonemal-like polycomplexes in spermatoocyte cytoplasm

Gametogenesis
Ascaris suum, morphology of male gamete, membrane fusion events during spermiogenesis, functional aspects

Gametogenesis
Mytilicola intestinalis from Mytilus edulis, female gonad, ultrastructural study, germinal cells during oogenesis; protozoan parasite in germinal cells

Gametogenesis
Paragonimus ohirai, Eurytrema pancreaticum, spermatozoa and spermatogenesis, scanning and transmission electron microscopy

Gametogenesis
Ascaris lumbricoides var. suum, ultrastructural analysis of sex determination, first spermatocyte meiotic division, origin of univalent chromosomes

Gametogenesis
Jensen, J. B., 1979, J. Protozool., v. 26 (1), 129-132
Plasmodium falciparum, gametocytogenesis in continuous cultures, crescent development with regard to timing of sequential stages, current culture methods cannot produce continuous supply of functional gametes for further studies

Gametogenesis
Kelsoe, G. H.; Ubelaker, J. E.; and Allison, V. F., 1977, Ztschr. Parasitenk., v. 54 (2), 175-185
Hymenolepis diminuta, fine structure of spermatogenesis and spermiation, description of mature spermatozoon

Gametogenesis
Naobranchia cygniformis, structure of male genital apparatus, spermiogenesis, electron microscopy

Gametogenesis
Acanthocephala 10 spp., nucleocytoplasmic derivative formation during spermiogenesis and its transformation after insemination

Gametogenesis
Neoechinorhynchus agilis, flageliogenesis, positioning and disorganization of spermatic axoneme

Gametogenesis
Mokhtar-Naamouri, F., 1979, Ztschr. Parasitenk., v. 59 (3), 245-258
Phyllobothrium gracile, spermiogenesis, spermatozoon ultrastructure, electron microscopy

Gametogenesis
Grebnickiella gracilis, gametogenesis, electron microscopy

Gametogenesis
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Ascaris suum, morphology and behavior of sex chromosomes during meiosis

Gametogenesis
Nijhout, M. M., 1979, Exper. Parasitol., v. 48 (1), 75-80
Plasmodium gallinaceum, exflagellation stimulated by mosquito factor

Gametogenesis
Plasmodium gallinaceum, gamete development, quantification of gamete development, changes in pH and pCO2 during gametogenesis, suppression and recovery of exflagellation, bicarbonate requirement for emergence and exflagellation, regulation of gametogenesis by pH

Gametogenesis
Nollen, P. M., 1978, J. Parasitol., v. 64 (4), 613-616
Philophthalmus grallii, development and movement of reproductive cells and inseminatory behavior studies using techniques of transplantation and autoradiography
Gametogenesis
Nollen, P. M.; and Pyne, J. L., 1979, J. Parasitol., v. 65 (1), 55-57
Megadiscus temperatus adults in Rana pipiens, timing stages of spermatogenesis, innumerative behavior, techniques used include labelling of spermatogonial cells with "H"-adenosine, method for transplanting worms to frogs, and autoradiography

Gametogenesis
Tryaonoides, reproduction (gametogenesis, mate finding, copulation, sperm behavior and longevity, synsyngam, oviposition), review

Gametogenesis
Osburn, R. L.; and Oliver, J. H., Jr., 1978, J. Parasitol., v. 64 (4), 719-726
Dermacenter variabilis, effects of metepa on cytology and fertility of males treated as unfed adults

Gametogenesis
Rees, G. F., 1979, Internat. J. Parasitol., v. 9 (5), 405-419
Cryptocotyle lingua, spermatozoan, spermogenesis, ultrastructure

Gametogenesis
Hymenolepis diminuta, sperm development, light and electron microscopy, cytochemistry

Gametogenesis
Rousset, V.; et al., 1978, Ztschr. Parasitenk., v. 55 (1), 73-89
Chondracanthus angustatus reproductive apparatus, anatomy, histology, and spermogenesis

Gametogenesis
Runey, W. M.; Runey, G. L.; and Lauter, F. H., [1979], J. Parasitol., v. 64 (6), 1978, 1008-1014
Rhabdias ranae, determination of somatic, diploid, and haploid chromosome numbers; spermatogenesis, oogenesis, and fertilization; method of sex determination and chromosome elimination

Gametogenesis
Plasmodium falciparum, gametocyte and gamete development, ultrastructure of gametocytes from blood of naturally infected Gambians compared with immature forms from blood of chloroquine treated patient, functional morphology, cyto genetics, phylogeny

Gametogenesis
Sinden, R. E.; and Smalley, M. E., 1979, J. Parasitol., v. 79 (2), 277-296
Plasmodium falciparum, modified microculture technique used as basis for various anti-metabolites by examining their ability to inhibit gametocytogenesis; characterization of sexual cell-cycle

Gametogenesis
Dermacenter variabilis, spermogenesis, morphology, development, and significance of motile organelle

Gametogenesis
Toye, P. J.; Sinden, R. E.; and Canning, E. H., 1977, Ztschr. Parasitenk., v. 53 (2), 133-141
Plasmodium yoelii nigeriensis mature gametocytes incubated with various metabolic inhibitor antibiotics, effects on microgametogenesis studied, results show de novo synthesis of axonemes and proteins essential to microgametogenesis, some results suggest possibility that de novo RNA synthesis is also required

Gametogenesis
Wharton, D. A., 1979, Parasitology, v. 78 (2) 131-143
Aspiculuris tetraptera, gross morphology of reproductive system, oogenesis, fertilization, egg-shell formation, cap cell and rachis, cytoplasmic inclusions of oocyte, formation of uterine layers

Gametogenesis
Wysoki, M.; and Bolland, H. R., 1978, Genetica, v. 48 (3), 235-238
Rhipicephalus spp., spermatogenesis, chromosomes, sex determination: East Africa

Gametogenesis
Wysoki, M.; and Bolland, H. R., 1979, Genetica, v. 50 (1), 73-77
Amblyomma variegatum, A. lepidum, course and timing of spermatogenesis, sex determination, and chromosome numbers

Gamma radiation. See Radiation.

Gastrointestinal Gastroenteritis. [See also Stomach]
Gastroenteritis
Tham, K. T., 1979, J. Trop. Med. and Hyg., v. 82 (1), 21-22
Strongyloides, man, gastroenteritis, case report

Gastroenteritis
Nematodes, pigs (nat. and exper.), gross and histopathological changes in stomach wall, chronic gastroenteritis: Hisaar, India

Gastroenteritis. [See also Intestine; Stomach]
Gastroenteritis
Parasitic gastroenteritis, lambs, forecasting incidence in late summer, correlation with rainfall of current year and dryness of previous late summer and autumn: England and Wales

Gastroenteritis
Parasitic gastroenteritis and bronchitis in untreated grazing calves, epidemiology (pature larval counts, fecal egg and larval counts, clinical assessment, weight gains, worm counts in tracer calves), evidence that resistance to Cooperia and Dictyocaulus was acquired more readily than to Ostertagia, inhibition of development of Ostertagia and Cooperia became evident at end of trial period

Gastroenteritis
Watt, I. A.; et al., 1979, Lancet, London (8148), v. 2, 893-894
Anisakinae larva, woman, eosinophilic gastroenteritis, surgical removal, case report: United Kingdom
Gel diffusion. See Immunity, Precipitation.

Genetics, Host
Altaf, K. I.; and Dargie, J. D., 1978, Parasi-
tology, v. 77 (2), 161-175
Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysio-
logical response of sheep to moderate primary infection, concluded that genetic resistance oper-
ated primarily against worm establishment and was probably controlled by the immune re-
sponse elicited, in heavy infections there was no correlation between worm establishment
and haemoglobin type

Genetics, Host
Altaf, K. I.; and Dargie, J. D., 1978, Para-
tology, v. 77 (2), 177-187
Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysio-
logical response of sheep to re-infection (either after primary infection was termi-
nated with anthelmintic or challenge super-
imposed on existing adult infection), pat-
terns of worm establishment and disease indicated that genetic factors operated in
determining resistance, breed but not haemo-
globin type appeared to be of some signifi-
cance in 'self-cure'

Genetics, Host
Altaf, K. I.; and Dargie, J. D., 1978, Re-
search Vet. Sc., v. 24 (3), 391-395
Ostertagia circumcincta, Scottish Blackface
sheep of different haemoglobin type, sheep
of haemoglobin type A more resistant to
infection than type B

Genetics, Host
Med. Chile, v. 103 (9), 587-593
Toxoplasma gondii, study of persons with
acute and chronic forms of infection for evi-
dence of chromosome aberrations, brief
discussion of possible pathogenic mechanism
of chromosomal damage in the presence of
infections

Genetics, Host
Bienzle, U.; Gugenmoos-Holzmann, I.; and Luz-
v. 28 (4), 619-621
malaria, gene for erythrocyte glucose-6-
phosphate dehydrogenase deficiency in hetero-
ygous females confers advantage against malaria: Nigeria

Genetics, Host
Borda, C. E.; and Pellegrino, J., 1976, Rev.
Schistosoma mansoni, 2 Brazilian strains,
susceptibility of Biomphalaria tenagophila
and B. glabrata snails from Argentina and
Brazil

Genetics, Host
Bradley, D. J., 1977, Clin. and Exper. Immu-
nol., v. 30 (1), 130-140
Leishmania donovani, acute growth rates in 25 inbred mouse strains fall into suscepti-
ble and resistant groups, breeding experi-
ments show that single gene or linkage group
controls acute susceptibility to this para-
site in the mouse

Genetics, Host
Bradley, D. J.; et al., 1979, Clin. and Exper.
Immunol., v. 37 (1), 7-14
Leishmania donovani, mapping of locus control-
ling susceptibility in the mouse

Genetics, Host
S. Paulo, v. 19 (2), 77-79
Schistosoma mansoni, differences in suscep-
tibility to infection related to human blood
types

Genetics, Host
Choudhry, V. P.; et al., 1978, Trop. and Geogr.
Med., v. 30 (3), 331-335
malaria, chloroquine-induced haemolysis and
acute renal failure in children with glucose-
6-phosphate dehydrogenase deficiency

Genetics, Host
Civil, R. H.; and Mahmoud, A. A. F., 1978, J.
Immunol., v. 120 (3), 1070-1072
Bacillus Calmette-Guerin (BCG) induces non-
specific resistance to Schistosoma mansoni
in only certain strains of inbred mice, BCG-induced protection does not correlate
with increases in spleen weight and is not
associated with genes of the major histo-
compatibility complex of the mouse

Genetics, Host
Claas, F. H. J.; and Deelder, A. M., 1979, J.
Immunogenet., v. 6 (3), 167-175
Schistosoma mansoni, mice of 2 congenic in-
hbred strains, immune response (worm burden,
mortality, antibody titre, spleen index,
eosinophilia, delayed type hypersensitivity, in
vitro response to 3 S. mansoni antigen
preparations), results indicate H-2 region
influences course of acute infection but not
susceptibility to infection

Genetics, Host
Collins, W. E.; et al., 1979, Mosquito News,
v. 39 (3), 466-472
Plasmodium falciparum, P. vivax (2 strains),
Anopheles freeborni (exper.), susceptibility
of natural and selected pupal color pheno-
types to infection

Genetics, Host
Med. and Parasitol., v. 73 (2), 173-183
malaria in normal subjects and those with
sickle cell trait, determination of plasma
immunoglobulins and antimalarial antibodies,
findings suggest that during infancy early
phagocytosis of parasitized cells led to
enhanced processing of antigen and hence
earlier immune response to sickle cell trait
Genetics, Host
sheep with hemoglobin AA showed better antibody response to some non-parasitic antigens than those with hemoglobin BR, results indicate that greater breed resistance of the former sheep to gastrointestinal nematodes is a reflection of superior immunological competence

Genetics, Host
Cvetkovic, Lj.; et al., 1978, Acta Parasitol. Iugoslavica, v. 9 (2), 75-79
Haemonchus contortus-infected sheep, genetic resistance, cigaja breed more resistant to infection than merino breed

Genetics, Host
Schistosoma mansoni, mice with strain differences in H-2 gene complex, no differences in worm burden but considerable differences in mortality and in antibody titer

Genetics, Host
Trichonostrogyus colubriformis, colostrom-fed vs. colostrum-deprived lambs, vaccination with irradiated larvae at weaning, results do not support proposal that feedback inhibition mediated by maternal antibody may suppress response, however lambs segregated into 'responders' and 'non-responders' suggesting that genetically determined factors play important role in responsiveness of lambs, globule leucocytes may be involved in resistance mechanism but probably not eosinophils or neutrophils

Genetics, Host
genetic breeding of tick-resistant cattle: Australia

Genetics, Host
Plasmodium berghei-infected mice (exper.), vitamin E deficiency moderates severity of infection since premature, oxidant-induced hemolysis of infected erythrocytes prevents orderly parasite maturation, restoration of susceptibility to malaria by vitamin E supplementation, observations provide basis for selective advantage of G-6-PD deficiency in areas of endemic malaria

Genetics, Host
Plasmodium berghei may utilize host-cell NADPH for maintenance of parasite glutathione, these observations may elucidate both parasite-induced red cell oxidant damage and mechanism whereby glucose-6-phosphate dehydrogenase deficiency protects against fulminant malaria infection

Genetics, Host
Plasmodium berghei in mice, 6 different host strains compared, course of infection, mortality patterns, parasitemia, pathological changes, host genetic variation, implications for laboratory model studies

Genetics, Host
Plasmodium falciparum, no significant difference in frequency of ABO antigens between children with malaria and controls, confirms previous investigations: The Gambia

Genetics, Host
Plasmodium spp., human, prevalence of abnormal hemoglobins, relationships between sickle cell trait, malaria and survival of host: Garki District, Kano State, Nigeria

Genetics, Host
Plasmodium falciparum, a- and ß-thalassaemia trait red cells from adults, fetal red cells, and glucose-6-phosphate dehydrogenase deficiency red cells are refractory to parasite development because of oxidant sensitivity

Genetics, Host
Friedman, M. J.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 777-780
Plasmodium falciparum, in vitro cultures, host cell competence of abnormal hemoglobin-containing erythrocytes, evolutionary significance of results

Genetics, Host
breeding for genetic resistance to disease, specific vs. general disease resistance

Genetics, Host
Entamoeba histolytica, susceptibility of various strains of mice to liver inoculation, infections were obtained in 6 of 9 strains but no strain was consistently susceptible

Genetics, Host
Schistosoma mansoni, human, alpha-1-antitrypsin deficiency does not play significant role in pathogenesis of hepatosplenic disease

Genetics, Host
Hunter, K. W., jr.; et al., 1979, J. Immunol., v. 123 (1), 133-157
Plasmodium yoelii, defective resistance in CBA/N mice, demonstrates that X-linked gene that affects B cell function influences malarial resistance in mice
Genetics, Host

Genetics, Host
Jaouni, K. C., 1979, Exper. Parasitol., v. 47 (1), 54-64 Entamoeba histolytica, genetic control of susceptibility in chicken eggs

Genetics, Host
van der Kaay, H. J.; and Boorsma, L., 1977, Acta Leidensia, v. 45, 13-19 Plasmodium berghei berghei, selection of a fully susceptible strain of Anopheles atroparvus, not possible to obtain a completely refractive strain, effect of reciprocal matings between susceptible and refractive strains and of backcrosses of F1 offspring with these strains on susceptibility

Genetics, Host
Klesius, P. H.; and Hinds, S. E., 1979, Infect. and Immun., v. 26 (3), 1111-1115 Eimeria ferrarisi, comparison of susceptibility in various inbred and F1 hybrid mouse strains and in nu/nu and nu/+ BALB/c mice, effect of treatment with rabbit anti-mouse thymocyte serum

Genetics, Host
Kloosterman, A.; Albers, G. A. A.; and van den Brink, R., 1978, Vet. Parasitol., v. 4 (4), 355-368 Cooperia spp., half sib groups of Dutch Friesian calves (nat. and exper.), number and length of worms, egg output, serum antibodies, liveweight gain, concluded that within this breed genetic variation exists in resistance to Cooperia spp.

Genetics, Host
Landollo, S.; et al., 1979, Roll. Ist. Sieroterap. Milanese, v. 58 (1), 48-51 Trichomonas vaginalis, inbred strains of mice differing in histocompatibility complex and multiple strain background genes, resistance or susceptibility differences dependent on genes outside major histocompatibility complex

Genetics, Host

Genetics, Host

Genetics, Host
Martin, S. K.; et al., 1978, Lancet, London (8062), v. 1, 466-468 Plasmodium falciparum, low erythrocyte pyridoxal kinase activity in serum of non-infected Black and White races in comparison to that of infected Black persons, possible relation to malarial infection, possibly requirement of parasite

Genetics, Host

Genetics, Host
Miller, L. H.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1069-1072 Plasmodium vivax, 13 American blacks infected while in Vietnam were all Duffy blood group positive, lends support to hypothesis that Duffy negative genotype is basis for resistance of blacks to vivax malaria

Genetics, Host
Molineaux, L.; et al., 1979, Ann. Trop. Med. and Parasitol., v. 73 (4), 301-310 sickle cell disease subjects living in hyperendemic malarial area, numbers of malaria-infected persons, seroimmunologic test results, immunoglobulin levels, and age groups compared with subjects without sickle cell trait: Sudan savanna of Nigeria

Genetics, Host
Morrison, W. I.; and Murray, M., 1979, Exper. Parasitol., v. 48 (3), 364-374 Trypanosoma congolense, mouse strains, genetic basis of observed differences in susceptibility to infection examined with FI hybrids and backcrosses, influence of H-2 haplotype on susceptibility

Genetics, Host
Murrell, K. D.; et al., 1979, J. Parasitol., v. 65 (5), 829-831 Schistosoma mansoni, influence of mouse strain on induction of resistance with irradiated cercariae, no obvious or simple relationship to mouse H-2 haplotype

Genetics, Host
Nelson, W. A.; et al., 1977, J. Med. Entomol., v. 13 (4-5), 389-428 host-ectoparasite interactions, review: hematologic and clinical manifestations of infestation, arthropod antigens and host antibodies raised against them, manifestations of antigen-antibody interaction, histopathologic reactions of skin to arthropod feeding and acquired resistance to arthropods, genetics of host resistance, economic effects of parasitism, speculation on nature of innate and acquired resistance

Genetics, Host
Norman, L. M.; and Hohenboken, N., 1979, J. Animal Sc., v. 48 (6), 1329-1337 parasites, foot soundness, and attrition, crossbred ewes, genetic and environmental effects (irrigated vs. nonirrigated pastures): western Oregon

Genetics, Host
Osoba, D.; et al., 1979, Immunogenetics, v. 8 (4), 323-338 Plasmodium falciparum, humans, role of major histocompatibility complex in antibody response under natural conditions: Tanzania
SUBJECT HEADINGS

Genetics, Host
Brugia pahangi, non-development in refractory Aedes malayensis, unsuccessful attempts to induce development by use of homogenates of susceptible mosquito species fed to females in sucrose solution, abnormal development in susceptible species fed corresponding regimen of A. malayensis homogenates

Genetics, Host
Wuchereria bancrofti-infected parental stocks of Culex pipiens fatsigens from non-endemic filariasis areas did not contain a major gene conferring refractiness to infection with urban Wuchereria bancrofti to their progeny

Genetics, Host
Plasmodium falciparum, hemoglobin S has detrimental effect on parasite proliferation, this involves both invasion into red cell and growth once inside and requires conditions of low oxygen tension, actual sickling of cells concerned is not necessary, provides explanation for protection of sickle cell heterozygotes against P. falciparum malaria and thus for high frequency of sickle-cell gene in parts of world where malaria is or has been endemic

Genetics, Host

Genetics, Host
Schistosoma mansoni, humans with Symmer's fibrosis, significantly higher frequency of blood group A than blood group O: Brazil

Genetics, Host
Perez, H.; Labrador, F.; and Torrealba, J. W., 1979, Internat. J. Parasit., v. 9 (1), 27-32
Leishmania mexicana, variations in response of 5 strains of mice (course of infection, delayed type hypersensitivity response, humoral antibody production), crossing experiments between resistant and susceptible strains suggest that resistance is inherited as dominant character

Genetics, Host
Haemochus contortus, comparison of susceptibility of 4 breeds of sheep and 3 breeds of goats to experimental infection while maintained on both high and low planes of nutrition: Kenya

Genetics, Host
Leishmania tropica major, experimental cutaneous leishmaniasis, anergy and allergy in cellular immune response during non-healing infection in different strains of mice

Genetics, Host
Reese, R. T.; et al., 1978, Proc. National Acad. Sc., v. 75 (11), 5665-5668
Plasmodium falciparum, immunization of Aotus monkeys grouped according to karyotype, antigens obtained from parasites cultivated in vitro for over a year, protective immunity can be induced without use of complete Freund's adjuvant if sufficient antigen is used together with synthetic muramyl dipeptide

Genetics, Host
Rifkin, G. G.; and Dobson, C., 1979, Vet. Parasitol., v. 5 (4), 365-378
Haemonchus contortus, in vitro response of sheep lymphocytes to parasite antigens varied between animals but was heritable and positively correlated with resistance to infection, sheep which were most susceptible had lowest lymphocyte responses but highest rate weight gain during infection

Genetics, Host
Genetic characteristics of Apis mellifera, response to Nonna apis, longevity, and hoarding behavior

Genetics, Host
Roth, E. F., jr.; et al., 1978, Science (4368 [error as 4365 on cover]), v. 202, 650-652
Plasmodium falciparum, increased sickling propensity of infected red cell under conditions of total and partial deoxygenation in vitro, results lend support to concept that heterozygotes for Hb S in malarious region may have improved fitness for survival which in turn maintains balanced polymorphism for Hb S gene

Genetics, Host
Rothwell, T. L. W.; et al., 1978, Parasitology, v. 76 (2), 201-209
Trichostrongylus colubriformis, guinea pigs, establishment of two lines differing significantly in susceptibility to infection, difference probably based on genetically determined differences between ability of members of each line to bring about immune expulsion of parasite

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Schistosoma mansoni, human, histocompatibility-linked susceptibility for hepatospleno-megaly: Egypt
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populations of Biomphalaria tenagophila and B. glabrata which are highly susceptible to Schistosoma mansoni strains from the Valley of Paraiba do Sul River and Belo Horizonte areas have been obtained after four generations by using a schedule of individual selections; this rapid genetic gain in susceptibility shows that molluscan susceptibility is highly inheritable and apparently conditioned by a few genes.

Genetics, Host

Cryptosporidium [sp.] in Arabian foals (intestine, stomach, pancreatic and bile ducts, gall bladder) with inherited combined immunodeficiency, mixed infection with adenovirus, difficult to separate effects of both agents: Colorado State University

Genetics, Host

Plasmodium falciparum, P. vivax, human (Duffy blood group positive and negative, black and white), indirect fluorescent antibodies titers, slide-demonstrated infection rates, Duffy negative genotype appears to be factor in resistance to P. vivax: Honduras

Genetics, Host

Strongyloides papillosus, 2 major karyotypes of eggs from feces of rabbits (2L2M and 2L2S), oogenesis in parasitic females, generation of LMS karyotype by chromatin diminution, chromosomal mechanism of sex determination

Genetics, Host

Trypanosoma cruzi (Brazil strain), characteristics of resistant and susceptible strains of mice following challenge, results suggest a necessary association of natural resistance with the immune response, principal genetic determinant of resistance is not associated with H-2 haplotype

Genetics, Host
Wakelin, D., 1978, Advances Parasitol., v. 16, 219-308

genetic control of susceptibility and resistance to parasitic infection, review

Genetics, Host

Eimeria tenella, several breeds of chickens, resistance and susceptibility correlated with heredity: Taiwan
Genetics, Parasite
Anisakis simplex in Salmo salar, parasite population genetics (acid phosphatase phenotypes), use as biological indicators of host stocks: Atlantic Ocean

Genetics, Parasite
Bonner, T. P., 1979, J. Parasitol., v. 65 (1), 74-78
Nippostrongylus brasiliensis, 3rd-stage larvae, initiation of development in vitro evaluated on basis of morphology and RNA biosynthesis, effect of actinomycin-D, results support idea that elevation of temperature and certain nutritional components stimulate transcription of portion of genome coding for development into parasitic phase

Genetics, Parasite
Britov, V. A., 1977, Genetika, v. 13 (6), 1025-1029
Trichinella, 4 spp., hybridization experiments to determine degree of genetic relationship

Genetics, Parasite
Aponomma hydrosauri, esterase polymorphism controlled by 2 alleles at single locus, geographical distribution of allele frequencies, implications for population structure: upper Yorke Peninsula and Murray Mallee district, South Australia

Genetics, Parasite
Cachón, M.; and Perez Arrieta, J. M., 1979, Arch. Protistenk., v. 122 (3-4), 267-274
Apodinium [sp.], morphology, singular kinetochore structure

Genetics, Parasite
Carter, R., 1978, Parasitology, v. 76 (3), 241-267
Plasmodium berghei, P. yoelii, P. vinckei, P. chabaudi, and their subspecies, electrophoretic variation of enzymes glucose phosphate isomerase, 6-phosphogluconate dehydrogenase, lactate dehydrogenase, and glutamate dehydrogenase, detailed description of technique, genetic and taxonomic implications, key for identification of murine plasmodia by enzyme type

Genetics, Parasite
Daskalov, V. A., 1977, Parasitology, v. 72 (5), 790-793
Haemonchus contortus, effect of changes in genetic constitution associated with development of benzimidazole resistance on physiological characteristics of parasitic and free-living stages (infertility, pathogenicity, exsufflation response, etc.)

Genetics, Parasite
Daskalov, A.; and Britov, V. A., 1979, Arch. Protistenk., v. 122 (3-4), 267-274
Apodinium [sp.], morphology, singular kinetochore structure

Genetics, Parasite
Haemonchus contortus, Haemonchus placei, hybridization experiments

Genetics, Parasite
Kelly, J. D.; et al., 1978, Research Vet. Sc., v. 25 (3), 376-385
Haemonchus contortus, effect of changes in genetic constitution associated with development of benzimidazole resistance on physiological characteristics of parasitic and free-living stages (infertility, pathogenicity, exsufflation response, etc.)

Genetics, Parasite
Le Jambre, L. F.; and Royal, W. M.; and Martin, P. J., 1979, Parasitology, v. 78 (2), 107-119
Haemonchus contortus, thiabendazole resistance is inherited as an autosomal and semi-dominant trait

Genetics, Parasite
Leishmania donovani, genome complexity and size, number, and sequence arrangement of rRNA genes

Genetics, Parasite
Rhizophagus evertsi evertsi, identification and inheritance of resistance factors to organochlorine acaricides, experimental hybrids between susceptible and resistant strains
Genetics, Parasite
Pfefferkorn, E. R.; and Pfefferkorn, L. C., 1979, J. Parasitol., v. 65 (3), 564-570
Toxoplasma gondii, induction of mutants resistant to 5-fluorodeoxyuridine used to measure efficiency of various physical and chemical mutagens on extracellular and intracellular organisms.

Genetics, Parasite
aspects of species concept in asexually reproducing protozoa

Genetics, Parasite
Eimeria maxima (Weybridge) and E. maxima (indentata) were distinguished by electrophoretic mobility of phosphoglucomutase, this enzyme was used as marker to detect genetic transfer of methyl benzoate resistance between resistant and sensitive lines of these parasites.

Genetics, Parasite
Seilhamer, J. J.; and Byers, T. J., 1978, J. Protozool., v. 25 (4), 486-489
Acanthamoeba castellanii, mutants resistant to erythromycin, chloramphenicol, and oligomycin.

Genetics, Parasite
Eimeria mivati and E. mivati var. diminuta strains differing in sensitivity to sulphaguanidine and electrophoretic mobility of lactate dehydrogenase crossed; electrophoretic variation of enzymes a further marker for genetic studies.

Genetics, Parasite
Haemonchus contortus utkalensis in goats, vulvar configurations, 17 variants identified among 3 phenotypes, seasonal occurrence in relation to temperature and humidity, order of dominance is knobbed > linguiform > smooth except in July when it is knobbed > smooth > linguiform: Ludhiana, India.

Genetics, Parasite
Thomas, C.; and Prasad, R. S., 1978, Experientia, v. 34 (11), 1440-1441
Xenopsylla astia, populations from different localities, differences in chromosome numbers, morphological differences; sterility in hybrids between the two populations: Bombay; Trivandrum

Genetics, Parasite
Vickerman, K., 1977, Protozoology, v. 3, 57-69
Trypanosoma evansi, SAK strain, 4'-6-diamidino-2-phenylindole (DAPI) staining of kinetoplast, dyskinetoplasty mutation, pleomorphism, comparison with other flagellates.

Genetics, Parasite
Vrijenhoeck, R. C., 1978, J. Parasitol., v. 64 (5), 790-798
Contra rubrum, 2 morphologically indistinct populations of larvae from Poecilopis spp. and Cichlasoma baeni, electrophoretic examination of proteins (enzymatic and non-enzymatic) produced by 11 gene loci revealed presence of 2 sexually reproducing sympatric 'semispecies' that have diagnostically distinct alleles for 2 loci: Sonora, Mexico.

Genetics, Parasite
Trypanosoma brucei, genomic rearrangements correlated with antigenic variation.

Geographic distribution
Bovicola bovis, optimal temperature for in vitro rearing in Ireland is at variance with that recorded by 2 authors in United States, possible that geographical genetic plasticity accounts for these differences.

Geographic distribution
Barus, V.; and Byskov, B., 1971, Folia Parasitol., v. 18 (1), 1-14
Trichostrongylidae, genera and species parasitizing bats of suborder Microchiroptera, morphological relationships, specificity to host families, and biogeography.

Geographic distribution
Anisakis simplex in Salmo salar, sites of infection, prevalence, variation in mean numbers of larvae per fish in relation to host's sex, age, geographic locality, and year and season of capture; mean numbers as biological indicator of host stock composition: 14 sampling stations, North Atlantic.

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Proteocephalidea, evolutionary history, morphological, zoogeographical, and host relationships, proposed classification.

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Geographic distribution
nematodes of reptiles, analysis of host range and zoogeographic distribution: Cuba.
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Geographic distribution
Earl, P. R., 1979, Tr. Am. Micr. Soc., v. 98 (4), 549-557
opalins, taxonomy and problems of identification, factors of zoogeographical distribution (Metcalf's land bridges, continental drift and anuran dispersal)

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Geographic distribution
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parasite fauna of Salvelinus alpinus, comparison of species composition, number, diversity, and equitability in lakes on Norwegian mainland and its offshore Arctic islands, results do not agree well with predictions of island biogeographical theory

Geographic distribution
Kolonin, G. V., 1978, [World distribution of ixodid ticks (genus Haemaphysalis)], 71 pp., maps

Geographic distribution
Ixodes persulcatus, method for detailed large-scale mapping of tick distribution

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Krylov, M. V., 1971, Parazitologiya, Leningrad, v. 5 (3), 201-208
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Germany

Grosse, D.; and Boeckeler, W., 1979, Tierarztl. Umschau, v. 34 (7), 496-499

Intestinal parasites, cats: Kiel, Germany

(Hydatigera taeniiformis; Toxocara mystax; Capillaria aerophila; Isospora felis)

Germany

Haupt, W.; et al., 1978, Monatsh. Vet.-Med., v. 35 (23), 912-914

Endoparasites, pigs on forest-located fattening unit, review of several year study: Germany

(Ascaris suum; whipworm eggs; nodular worm eggs; coccidial oocysts)

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List of Trematoda in GPR, supplemented with hosts, habitats, and specific geographic localities

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Schmitthenner, W., 1979, Tierarztl. Umschau, v. 34 (3), 174, 177-180, 183

Intestinal parasites and Salmonella, calves, prevalence survey: Nordbaden und Nordwurttemberg (Kokziden; Strongyloides; Strongylid eggs; Nematodirus)

Germany

Weissenburg, H.; and Bettermann, G., 1979, Tierarztl. Umschau, v. 34 (3), 170-174

Endoparasites, swine, reduction in infection rates 1967-1977: Schleswig-Holstein (Ascaris suum; Trichuris trichiura; Coccidia; Hysteroglypus; Oesophagostomum)

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Blood parasites, livestock, incidence in relation to host sex and age and to husbandry and management practices: Accra Plains, Ghana

cattle (Anaplasma marginale; A. centrale; Babesia bovis; B. major; B. bigemina; Trypanosoma brucei; T. congolense; T. vivax; Theileria parva; T. mutans; Eperythrozoon wenyoni) sheep (A. marginale; A. centrale; B. ovis; B. motasi; T. brucei; T. vivax) goats (A. marginale; A. centrale; B. ovis; B. motasi; T. brucei; T. vivax) pigs (B. traumanni; T. brucei; T. congolense)

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Parasitic and other diseases, horses and donkeys, 1909-1975, brief tabular review: Ghana

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Chagas disease, human, hypothalamic, pathologic changes

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Trypanosoma cruzi, patients with chronic infection, associated thyroid mass is not a typical finding, survey of 30 patients: Brazil

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Christensen, C. M.; and Dobson, R. C., 1979, J. Kansas Entom. Soc., v. 52 (3), 307-310

Haematobia irritans, attraction to Angus bulls and steers (testosterone propionate treated vs. nontreated), positive relationship between attractiveness and sebaceous gland numbers and cell numbers

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Hepatoplenetic schistosomiasis, human, thyroid function tests, liver function tests, serum protein levels

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Hepatozoon sylvatici transmitted from naturally to experimentally infected Apodemus sylvaticus and A. flavicollis by Laelaps agilis; L. agilis transmission of H. sylvatici to non-specific host, Clethrionomys glareolus; gonads of female mites possibly have stimulating effect on protozoal development; schizonts from bone marrow and liver of Apodemus flavicollis differ in morphology

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Kassim, O. O.; and Richards, C. S., 1978, Exper. Parasitol., v. 46 (2), 215-218
Schistosoma mansoni, levels of lysozyme activity in Biomphalaria glabrata (hemolymph, digestive gland, and headfoot extracts) during infection with compatible and incompatible parasite strains, results suggest that lysozyme does not by itself play a major role in the destruction of a schistosome infection in a resistant snail host.

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Kassim, O. O.; and Richards, C. S., 1978, Exper. Parasitol., v. 46 (2), 218-224
Biomphalaria glabrata (intermediate host of Schistosoma mansoni), lysozyme activities in hemolymph, digestive gland, and headfoot of uninfected snails.

Glands, Host
Kohlicek, J.; and Stankova, T., 1976, Rozhl. Chir., v. 55 (9), Sept., 617-619
Trichomonas vaginalis, involvement of prostate gland with resulting chronic prostatitis, humans, diagnosis, clinical aspects.

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Mikhail, C.; and Milad, S., 1977, J. Parasitol., v. 63 (2), 209-216
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Tiboldi, T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (4), 670-676
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Bhutta, M. S., 1977, Biologia, Lahore, v. 23 (2), 103-109
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Krasnodembaskii, E. G., 1977, Parazitologiia, Leningrad, v. 7 (5), 418-422
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Boophilus microplus, virus-like particles pathogenic to tick salivary glands, viruses pathogenic to ticks could have potential as biological control agents

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Megaw, M. W. J.; and Beadle, D. J., 1979, Internat. J. Insect Morphol. and Embryol., v. 8 (2), 67-83
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Glands, Parasite
Tongu, Y.; et al., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (5), 312-317
Metagonimus takahashii, N. yokogawai, fine structure of penetration gland cells

Glands, Parasite
Vernick, S. H.; et al., 1978, J. Parasitol., v. 64 (3), 515-525
Dermacentor andersoni, D. variabilis, ultrastructure of foveal glands (site of pheromone synthesis), evidence of secretory activity, storage, transport, and neural associations

Glands, Parasite
Zdarska, Z., 1970, Folia Parasitol., v. 17 (1), 31-47
Notocotylus attenuatus, cercaria, relationship of gland cells to layers of cyst wall of adolecascia, morphology, histochemistry

Glands, Parasite
Zdarska, Z., 1971, Folia Parasitol., v. 18 (1), 15-25
Molniella anceps, larval stages, histology and histochemistry of cystogenic gland cells and cyst wall, participation of gland cells of cercaria in origin of layers of cyst wall of metacercaria

Glands, Parasite
Zdarska, Z., 1971, Folia Parasitol., v. 18 (2), 119-125
Philophthalmus sp., cercaria, histology and histochemistry of cystogenic gland cells, formation of tegument

Globulins. See Immunoglobulins; Proteins.
Glucose. See Carbohydrates.
Glycogen. See Carbohydrates.
Glycolysis. See Carbohydrates; Metabolism.

Gnotobiotic animals
Bywater, J. E.; and Kellett, B. S., 1978, Infect. and Immun., v. 21 (2), 360-364
Encephalitozoon cuniculi, existence in specific-pathogen-free rabbit colony, small-sized samples failed to reveal presence of infection with low prevalence, organism probably present in original stock of unit, possibility of establishing Encephalitozoon-free colony by culling all positive reactors using India ink immunoreaction test, incidence (familial, sexual, and age-related) and possible routes of transmission

Gnotobiotic animals
Encephalitozoon cuniculi, specific pathogen-free rabbit colony, diagnosis by modified India-ink immunoreaction test, eradication by culling of seropositive animals

Gnotobiotic animals
Eimeria perforans, isolation of pure strain using specific-pathogen free rabbits, measurements, sporulation time, pathogenicity

Gnotobiotic animals
Jervis, H. R.; and Takeuchi, A., 1979, Am. J. Path. (440), v. 94 (1), 197-200
Entamoeba histolytica, germfree guinea pigs, pathological changes, usefulness as an animal model

Gnotobiotic animals
Toxoplasma gondii, germfree, gnotobiotic and conventional cats, life cycle studies

Gnotobiotic animals
Toxoplasma gondii, germfree, gnotobiotic and conventional cats, life cycle studies, morphology of intra-intestinal stages
Gnotobiotic animals
Eimeria stiedae, E. intestinalis, standard rabbit diet heavily contaminated with oocysts, sterilization by autoclaving and irradiation was satisfactory for elimination of oocysts from diet but pelleting even at 68° was unsatisfactory

Gnotobiotic animals
Entamoeba coli of human and primate origin, attempted transmission to specified-pathogen-free rodents, results indicate that rodent-human contact is probably not responsible for infiltration of SPF barriers

Gnotobiotic animals
Przyjalkowski, Z., 1974, Acta Parasitol. Polon., v. 22 (22-34), 345-349
Aspiculuris tetraptera, development and establishment in gnotobiotic mice contaminated with Escherichia coli vs. conventional mice (both exper.)

Gnotobiotic animals
Przyjalkowski, Z., 1977, Acta Parasitol. Polon., v. 25 (1-10), 63-68
Hymenolepis nana in germfree vs. conventional mice, establishment, growth, and rate of expulsion, results suggest that conditions for cestode growth in germfree mice were less favorable than in conventional mice

Gnotobiotic animals
Trichinella spiralis in germfree vs. conventional mice, intensity of infection (in greater in conventional mice), elimination of adult worms (earlier and more complete in germfree mice), changes in packed cell volume and differential leukocyte counts (higher eosinophilia in germfree mice), concluded that intestinal microflora plays important role in establishment and elimination of intestinal trichinellae

Gnotobiotic animals
Trichinella spiralis in conventional mice and in germfree mice also infected with Staphylococcus epidermidis (alone or associated with Escherichia coli), numbers of established intestinal trichinellae, time of their expulsion, packed cell volumes, and white blood cell counts, results indicate that size of infective dose, age of mice, and type of intestinal flora play role in course of experimental trichinosis

Gnotobiotic animals
Trichinella pseudospiralis, conventional and germfree mice, effect of intestinal flora on course of infection and haematological changes

Gnotobiotic animals
Trichinella pseudospiralis, germfree and conventional mice, immunoglobulin and haemagglutinating antibody levels compared

Gnotobiotic animals
Trichinella spiralis, larvae decontaminated with antibiotics and normal larvae, determination of lethal dose for conventional and germfree mice

Gnotobiotic animals
Angiostrongylus cantonensis in germfree and conventional mice, establishment and migration, packed cell volume and differential white blood cell counts, in neither hosts did parasites reach maturity

Gnotobiotic animals
Trichinella spiralis-infected germfree vs. conventional mice, some metabolites and enzymes of carbohydrate metabolism in liver and small intestine

Gnotobiotic animals
Sebesteny, A., 1979, Lab. Animals, v. 13 (3), 189-191
intestinal protozoa, successful transmission to and establishment in specific-pathogen-free mice exposed to intestinal contents of infected hamsters

Gonads, Host
Hepatozoon sylvatici transmitted from naturally to experimentally infected Apodemus sylvaticus and A. flavicollis by Laelaps agilis; L. agilis transmission of H. sylvatici to non-specific host, Clethrionomys glareolus; gonads of female mites possibly have stimulating effect on protozoan development; schizonts from bone marrow and liver of Apodemus flavicollis differ in morphology

Gonads, Host
Schistosoma mansoni-infected mice, effects on growth, development and gonadal function

Gonads, Host
Seed, J. R.; et al., 1978, Am. Midland Naturalist, v. 100 (1), 126-134
Trypanosoma brucei gambiense-infected wild and laboratory Microtus montanus males, organ weights, parasite stress as cause of enlarged spleens and smaller gonads, splenomegaly can be used as survey marker to determine extent of parasitism in field populations, reduced reproductive potential suggests that parasitism plays role in limiting host population density: Jackson Hole, Wyoming

Gonads, Host
Cuterebra larvae in Peromyscus maniculatus (exper.), significant reduction in gonad weights and breeding success
Granuloma
granulomatous inflammations, extensive review including information on the schistosome egg granuloma

Granuloma
Schistosoma mansoni in T-cell deprived vs. normal mice, histopathology, prevention of liver cell damage surrounding egg foci by passive transfer of serum from chronically infected but not from uninfected mice

Granuloma
Byram, J. E.; et al., 1979, Am. J. Path. (441), v. 94 (2), 201-222
Schistosoma mansoni, S. japonicum, mice, potentiation of schistosome granuloma formation by lentinan (a T-cell adjuvant)

Granuloma
Carpenter, J. W.; et al., 1979, J. Am. Vet. Med. Ass., v. 175 (9), 948-951
Protozoa [sp.] in Grus canadensis, disseminated granulomas, histopathology, electron microscopy: Patuxent Wildlife Research Center

Granuloma
Ascaris lumbricoides, child, migration of gravid female worm from intestinal lumen into peritoneal cavity, resulting granuloma of anterior abdominal wall and miliary granuloma in peritoneal cavity, case report

Granuloma
Schistosoma mansoni, mice, population dynamics of T and B lymphocytes in lymphoid organs, peripheral blood, and hepatic granulomas, appearance of B cells within granulomas may indicate that they play role in modulating granulomatous hypersensitivity

Granuloma
Chensue, S. W.; and Boros, D. L., 1979, J. Immunol., v. 123 (3), 1409-1414
Schistosoma mansoni, characterization of T lymphocytes involved in adoptive suppression of granuloma formation in infected mice

Granuloma
Schistosoma mansoni, passive transfers of lymphoid cells from chronically infected mice to syngeneic mice in early stages of infection suppressed granuloma formation, passive transfers of serum had no such effect

Granuloma
Colley, D. G.; Lewis, F. A.; and Todd, C. W., 1979, Cellular Immunol., v. 46 (1), 152-200
Schistosoma mansoni, mice, adoptive suppression of granuloma formation by T lymphocytes and by lymphoid cells sensitive to cyclophosphamide
Granuloma
Schistosoma intercalatum in Syrian hamsters, ultrastructural study of pathologic lesions (mainly mature egg granulomas) in liver; Schistosoma pigment compared with malaria pigment induced by infecting hamster with Plasmodium berghei

Granuloma
human amoebiasis, acute fulminating colitis, amebomas, review of cases with emphasis on therapy, complications, surgical procedures

Granuloma
Edunghola, L. D.; and Schiller, E. L., 1979, J. Parasitol., v. 65 (2), 253-261
Schistosoma mansoni, mice, rats, hamsters, comparative histopathology of hepatic and pulmonary granulomata experimentally induced with eggs

Granuloma
Epstein, W. L.; et al., 1979, J. Path., v. 127 (4), 207-215
Schistosoma mansoni, normal and athymic mice, granulomatous inflammation, ultrastructural study

Granuloma
mice, induction of inflammatory reactions with non-biodegradable, non-diffusible, and non-antigenic substances at site distant from site of pathogen proliferation or persistence, increased resistance to various pathogens including Schistosoma mansoni, fraction extracted from granuloma is responsible at least in part for this increased resistance

Granuloma
Ferluga, J.; Doenhoff, M. J.; and Allison, A. C., 1979, Parasite Immunol., v. 1 (4), 289-294
Schistosoma mansoni, mice in granulomatous stage of infection, increased hepatotoxicity of bacterial lipopolysaccharide

Granuloma
Schistosoma mansoni, granulomatous response to parasite eggs in patient on maintenance immunosuppression after renal transplant, case report

Granuloma
Schistosoma mansoni, mice, modulation of anti-thrombin and anti-fibrinolytic activities in tissue during development of granulomas

Granuloma
Entamoeba histolytica, human, with resulting rectal amoeboma, medical management, case report: Mendoza, Rep. Argentina

Granuloma
Joky, A.; et al., 1978, Experientia, v. 34 (4), 547-549
Injection of polyvinylchloride particles in caecal vein of mice induces foreign-body portal granuloma reaction in liver, possible use as model for schistosome egg-induced liver pathology; plastic casts of portal systems of normal livers, Schistosoma mansoni-infected livers and PVC-implanted livers compared

Granuloma
Jones, L. G.; and Bogitsh, B. J., 1979, Ztschr. Parasitenk., v. 60 (2), 185-192
Schistosoma mansoni-infected mice, changes in hepatocytes adjacent to hepatic granulomas, light and electron microscopy

Granuloma
Schistosoma haematobium, mice, granuloma formation around eggs is largely cell-mediated immunologic reaction, is dependent on dose and route of sensitization, is relatively specific among the 3 schistosome species, and can be transferred with cells but not with serum from previously egg-sensitized mice; furthermore, egg-sensitized animals demonstrate immediate and delayed skin reactivity on challenge with egg antigens

Granuloma
Toxocara canis, mice, evolution of muscle-associated granuloma, histopathology, light and electron microscopy

Granuloma
Schistosoma mansoni, mice, venous circulation in bowel wall, tissue reactions to deposition of ova and granuloma formation

Granuloma
bilarzial and amoebic granulomatous lesions of the cervix uteri, incidence in South African Blacks, clinical presentation, macroscopic and microscopic features: Baragwanath Hospital

Granuloma
Ascaris suum, role of complement in histopathology of primary and challenge infections in guinea pigs, enhanced pulmonary eosinophilic infiltration and eosinophilic granuloma formation in absence of complement (C3 to C9)

Granuloma
schistosomiasis mansoni, human, granulomatous myocarditis, necropsy study of ectopic lesions

Granuloma
Schistosoma mansoni, effect of mutation diabetes (marked immunosuppression) on host-parasite relationship in mice, decreased granulomatous response
Granuloma
Michael, A. J.; Awadalla, H. N.; and Farag, H. F., 1979, Tropenmed. u. Parasitol., v. 30 (3), 62-64
Schistosoma haematobium-infected mice challenged with S. mansoni, study of granuloma development suggests presence of cross immunization

Granuloma
trichomonal granuloma of pelvic cavity in an apparently normal pregnant Macaca mulatta, infection apparently occurred during laparotomy during an experimental study

Granuloma
schistosomiasis, review of current evidence that both induction and amelioration of hepatosplenic disease are immunologically mediated

Granuloma
Aplectana acuminata, tissue response in parasitized Bufo viridis, inflammatory granuloma as mechanical barrier to cellular damage: Bucharest

Granuloma
Scaffidi, V., 1973, Riforma Med., v. 87 (19), 743-760
Entamoeba histolytica, human, amoeboma and ulcerative amoebic colitis, clinical variables, diagnosis, therapeutics

Granuloma
parasitic granuloma and abscess, bovine bladder, cross sections of nematodes and/or ova; Setaria sp. (peritoneal cavity): Municipal Slaughter House, Bareilly

Granuloma
Gnathostoma spinigerum, man, possible etiologic agent of eosinophilic granuloma of gastrointestinal tract, case report: Thailand

Granuloma
Enterobius vermicularis, human, ovarian parasitic granuloma thought to result from the erratic migration of an adult female worm, case report: Panama

Granuloma
Thompson, H. T.; Pettigrew, R.; and Johnson, E. A., 1979, Thorax, v. 34 (3), 401-403
Schistosoma mansoni, solitary pulmonary bilharzioma, case report: London, formerly from Africa

Granuloma
Schistosoma japonicum egg granuloma, cellular composition, size, immunologic concomitants, differences from S. mansoni

Granuloma
Werth, J. A.; Izzat, N. N.; and McClarin, W. M., 1971, Texas Med., v. 67, 86-88
Dirofilaria tenuis, 32-year-old woman, granulomatous subcutaneous nodule on forearm contained worm, first human case occurring in Texas

Granuloma
Schistosoma mansoni, egg granulomas (obtained from livers of infected mice) secrete fibroblast stimulating factor in vitro, this suggests that hepatic granulomas may play role in development of hepatic fibrosis in schistosomiasis

Granuloma
Angiostrongylus costaricensis, children, painful abdominal granulomas, first reported cases in Mexico

Granuloma
parasite fauna of British freshwater fish, relationship between parasite, host, and environment, lake and flowing water species of parasites compared

Granuloma
Chubb, J. C., 1977, A review of parasite fauna of the fishes of the River Dee System, 107 pp. parasites of fishes, literature review, parasite and host lists, notes on parasite biology and fishery management: River Dee System

Granuloma
Pegg, E. J., 1978, J. Helminth., v. 52 (1), 68-70
gastro-intestinal nematodes of British police dogs (Toxocara canis; Toxascaris leonina; Trichuris vulpis; Uncinaria stenocephala)

Granuloma
helminth parasites of dogs and cats and toxoplasmosis antibodies in cats: Swansea, South Wales (dogs: Toxocara canis; Toxascaris leonina; Uncinaria stenocephala; Dipylidium caninum; Linguatula serrata cats: Toxocara cati; Taenia taeniaeformis; T. pisiformis; Dipylidium caninum; Toxoplasma gondii)

Granuloma
cestode prevalence in farm dogs, age of host: Snowdonia, U. K. (Taenia hydatigena; T. pisiformis; T. multiceps; T. ovis; Dipylidium caninum; Echinococcus granulosus; Toxocara canis; Toxascaris leonina)

Grooming. See Behavior.
Growth. [See also Culture; Development; Reproduction]

Growth, Host
Thelophania opacita, detrimental effect on growth and development of Aedes caspius caspius from natural populations

Growth, Host
Nosema whitei-infected Tribolium castaneum, growth and mortality when fed vitamin K-complete vs. deficient diets

Growth, Host
Armstrong, E., 1979, Ztschr. Parasitenk., v. 59 (1), 27-29
Nosema whitei-infected Tribolium castaneum, relationship between body weight gains and food consumption

Growth, Host
Augustine, P. C.; and Thomas, O. P., 1979, Avian Dis., v. 23 (4), 854-862
Eimeria meleagrimitis, turkeys (exper.), reduced feed consumption and weight gains, blood and organ changes

Growth, Host
Minchinia chitonis-infected mollusc, Lepidochitona cinereus, host growth and population structure, infection caused enhanced growth and deviation from normal growth curve: Easthaven, Scotland

Growth, Host
Borgsteede, F. H. M.; and Hendriks, J., 1979, Parasitology, v. 78 (3), 331-342
Cooperia oncophora, calves (exper.), single infections with 2 graded doses of larvae, weight gains, egg output, haematology, worm counts and host reaction against worm burden, worm measurements, distribution of worms in small intestine

Growth, Host
Cargill, C. F.; and Dobson, K. J., 1979, Vet. Rec., v. 104 (2), 33-36
Sarcopites scabiei var. suis, growing pigs housed and fed under optimal and sub-optimal conditions of management, effect of experimental infections on growth rates and feed conversion efficiencies, concluded that loss of productivity is closely related to intensity of hypersensitivity reaction

Growth, Host
Chi, C. W.; and Isseroff, H., 1979, J. Nutrition, Bethesda, v. 109 (7), 1299-1306
Fasciola hepatica, rats, growth studies, nitrogen balance studies, disposition of excessive proline

Growth, Host
Cooperia oncophora, calves given daily doses of larvae, faecal egg count, worm burden, liveweight gain and food intake, serum constituents, bone chemical analyses, intestinal pathology

Growth, Host
Strongylidea, calves, chlorhydrate of tetramisole, weight gain in treated and control groups not influenced by Strongylidea infection, low worm burden in both groups

Growth, Host
Dargie, J. D.; Berry, C. I.; and Parkins, J. J., 1979, Research Vet. Sc., v. 26 (3), 289-295
Fasciola hepatica, sheep (exper.) given hay or hay plus pelleted supplement, feed intake and digestibility, body weight and nitrogen balance

Growth, Host
Donald, A. D.; et al., 1979, Vet. Parasitol., v. 5 (2-3), 205-222
gastrointestinal nematodes with major emphasis on Ostertagia ostertagi, beef cattle, levels of infection and effects on live-weight gain, effects of pasture type (phalaris vs. lucerne) and stocking rate, effects of anthelmintic treatment, 4-year experiment: Canberra, Australia

Growth, Host
gastro-intestinal strongylosis, foals, velars of infection and effects on live-weight gain, effects of pasture type (phyllanthus vs. lucerne) and stocking rate, effects of anthelmintic treatment, 4-year experiment: Canberra, Australia

Growth, Host
Eimeria tenella in conventional, bacteria-free, and monofloral (Escherichia coli and Bacteroides sp.) chicks (exper.), comparison of cecal lesions, weight gain, clinical signs, and mortality

Growth, Host
Sarcocystis cruzi-infected calves (exper.), pathoph生理 changes in urine and blood, several specific effects beyond those induced by nutritional stress

Growth, Host
human parasites, necessity of fecal examination and deworming for maximum effect of supplementary feeding program on growth of pre-school children

Growth, Host
Hale, O. M.; and Stewart, T. B., 1979, J. Animal Sc., v. 49 (4), 1000-1005
Trichuris suis, pigs (exper.), effects of infection on weight gains, digestive and absorption of nutrients, and nitrogen balance

Growth, Host
Fasciola hepatica, sheep (exper.), degree of productivity depression assessed by body-weight change, midside patch wool growth, fleece weights, and feed digestibility
Growth, Host
Mytilicola intestinalis, influence on Mytilus galloprovincialis noted only in comparisons of infected and uninfected mussels from same area, decreased meat weight: localities on east Adriatic

Growth, Host
gastrointestinal nematodes, ovine, epidemiology, effect on host growth and plasma pepsinogen levels: Limousin

Growth, Host
Dictyocaulus viviparus, calves (exper.), long-term observations, role of carrier calves in field; infected calves showed lower body weight gain than uninfected calves

Growth, Host
Jørgensen, R. J.; et al., 1978, Vet. Parasitol., v. 4 (1), 55-68
Ostertagia ostertagi, calves from previous field experiment that had been subjected to various combinations of pasture moving and anthelmintic treatment, infection parameters and body weight gains following housing

Growth, Host
Lewert, R. M.; Yogore, M. G., jr.; and Rlas, B. L., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 1010-1025
Schistosoma japonicum, human, prevalence and intensity, morbidity (hepato- and/or splenomegaly, height and weight, symptomatology), host age and sex: Barrio San Antonio, Basey, Samar, The Philippines

Growth, Host
Eimeria greineri in Numida meleagris (intestine, caeca) (nat. and exper.), life cycle, reproduction rate, pathogenicity (severe depression of body weight gain), immunity to reinfection, treatment with sulphaguanidine in drinking water and robenidine in food: Britain

Growth, Host
Cryptobia salmositica in Salmo gairdneri (exper.), plasma glucose and proteins and haematocrit levels during course of infection, changes produced in host metabolism will undoubtedly affect host growth and population size

Growth, Host
Fasciola hepatica, sheep grazing on irrigated vs. non-irrigated pastures, temporal distribution of acquisition of infection, influence of infection on productivity, outline of suitable treatment regimen: northern Victoria

Growth, Host
Trichobilharzia ocellata-infected Lymnaea stagnalis, increased growth rate, reduced tissue glycogen, shifts toward anaerobiosis

Growth, Host
Cercaria spp. in Indoplanorhbis exustus and Lymnaea luteola f. typica snails, abnormal host growth, pathology of digestive gland and gonads, intra-sporocyst and intra-redial encystment of cercariae in starved snails or in moribund snails reared in polluted water containing their metabolic waste and excreta

Growth, Host
Moser, M.; and Taylor, S., 1978, Canad. J. Zool., v. 56 (11), 2372-2376
Cardiogaster meadsaeus on Stenobrachius leucopsarus, prevalence in different collection sites and seasons, effects on host (pathology, mortality, parasitic castration, promoting somatic growth); hyperparasitism of copepods by Hydrichthys sp.: off Los Angeles; off Santa Barbara; off San Diego

Growth, Host
Munday, B. L., 1979, Vet. Parasitol., v. 5 (2-3), 129-132
Sarcocystis ovicanis, deleterious effect on growth rate and haematocrit in lambs, presence of antibodies (presumably colostral) against Sarcocystis did not appear to provide significant protection

Growth, Host
Lernaeenicus hemirhamphi on Hemirhamphus xanthopterus and H. far, effects on length, weight, gonad development, and blood composition

Growth, Host
Moniliformis dubius-infected vs. uninfected rats fed isoenenergetic diets containing varying amounts of starch, host and parasite growth

Growth, Host
Neville, W. E., jr.; Stewart, T. B.; and McCormick, W. C., 1977, J. Animal Sc., v. 44 (6), 1119-1126
nematodes, early-weaned and suckling calves, difference in egg counts and weight gain under different rearing regimes

Growth, Host
Fasciola hepatica, dairy heifers (exper.), production and performance (growth, gestation period, conception rate, calf birth-weights, milk production)
Growth, Host
Eimeria acervulina, E. tenella, chickens, effect of single vs. repeated vs. successive infections of mixed species on manifestation of symptoms, food intake and body weight gain, and oocyst production

Growth, Host
Eimeria maxima, E. necatrix, chickens, effect of single vs. repeated vs. successive infections on manifestation of symptoms, food intake and body weight gain, and oocyst production

Growth, Host
Omole, T. A.; and Onawummi, O. A., 1979, Ann. Parasitol., v. 54 (5), 495-506
Trypanosoma brucei-infected immunized and non-immunized rabbits maintained on diets with different levels of copper, growth and carcass performance, blood constituents

Growth, Host
Phares, C. K.; and Carroll, R. M., 1978, J. Parasitol., v. 64 (3), 401-405
effects of bovine pituitary growth hormone vs. Spirometra mansonioides plerocercoid growth factor on body growth and lipid composition in diabetic-hypophysectomized rats

Growth, Host
Schistosoma mansoni-infected mice, effects on growth, development and gonadal function

Growth, Host
Prochristianella penaei in Penaeus aztecus, incidence and intensity, sex, weight, and length of host, potential 'living tag' for defining stocks: West Bay, Galveston, Texas

Growth, Host
helminths, sheep, economic effects (death, poor growth rate, poor food utilisation, poor fleece quality), outline of more efficient prophylactic programmes than those currently adopted by sheep farmers: United Kingdom

Growth, Host
Riffkin, G. G.; and Dobson, C., 1979, Vet. Parasitol., v. 5 (4), 365-378
Haemonchus contortus, in vitro response of sheep lymphocytes to parasite antigens varied between animals but was heritable and positively correlated with resistance to infection, sheep which were most susceptible had lowest lymphocyte responses but highest rate weight gain during infection

Growth, Host
Romestand, B., 1979, Ann. Parasitol., v. 54 (4), 423-448
Cymothoidea of teleost fish, hematophagy, host immune response, biochemical, histological, haematological, and biometrical (growth) changes in infected hosts

Growth, Host
cymothoid isopods, influence on host growth and weight-size ratios

Growth, Host
Fasciola hepatica, development of rediae in Limnaea spp., dependent upon host growth

Growth, Host
Samuel, D., 1978, Indian J. Fish., v. 23 (1-2), 1976, 153-159
Bucephalopsis haimanae cercariae in Crassostrea madrasensis (gonads), parasite morphology, effect on host (sterility; gigantism in 2 cases, loss of flesh weight in 1 case): Karapad Creek, Tuticorin

Growth, Host
Diplodostomum paraspathaceum, D. spathaceum, lowering rate of growth of [Ctenopharyngodon idella], possible factor in fish culture

Growth, Host
nematodes, Rattus rattus, incidence and intensity of infection in relation to weight, sex, age of host, and month of year: Jodhpur

Growth, Host
Richtaria jodhpurensis in male and female Rattus rattus of 3 different age categories, incidence, intensity, seasonal variation, parasite sex ratio, parasite length in relation to host weight and worm burden: Jodhpur, India

Growth, Host
Stacey, B. R.; et al., 1978, J. Econom. Entom., v. 71 (6), 967-970
Amblyomma maculatum, Hereford and Brahman steers, drylot conditions, weight gains and blood parameters, comparison between breeds and infested and uninfested steers

Growth, Host
Steelman, S. L.; et al., 1971, Recent Progr. Hormone Research, v. 27, 97-120
Spirometra mansonioides, comparative study of sparganum growth factor (SGF) and growth hormone: growth-promoting properties, metabolic actions on bone and protein synthesis, effects on carbohydrate and lipid metabolism, source and physicochemical properties of SGF, development of resistance to SGF (result of neutralizing antibodies)

Growth, Host
Stewart, T. B.; and Neville, W. E., jr., 1977, J. Animal Sc., v. 44 (1), 124-130
nematodes, early-weaned calves on drylot vs. suckling calves on pasture, differences in egg counts and weight gains: south Georgia
Growth, Host
Schistosoma mansoni, teenagers with delayed puberty and short stature, study showed no relationship between growth disorders and parasitic infections

Growth, Host
Sweeting, R. A., 1976, J. Fish Biol., v. 9 (6), 515-522
Ligula intestinalis, effect on Rutilus rutilus population in gravel pit, fall in number of parasitized roach due to predation by other fish, parasitized roach failed to become sexually mature but their actual growth rate was not markedly reduced, plecercoids grew more rapidly during summer, roach less than 9 months of age should not be introduced into confined waters: southern England

Growth, Host
Sykes, A. R., 1978, Vet. Rec., v. 102 (2), 32-34
subclinical parasitism in sheep, effects of parasites localized in abomasum, small intestine, and liver on bodyweight gain, efficiency of food utilization, and serum constituents, diagnostic aids

Growth, Host
Trichostrongylus vitrinus, sheep (exper.), chronic infection, food intake and body weight gains, food digestibility, body composition, bone chemistry and histology, serum constituents

Growth, Host
Trichostrongylus colubriformis, guinea pigs with light to heavy infections, relationships between fall of food consumption and changes of body mass and skeletal muscle and liver protein synthesis

Growth, Host
Ascaris-infected children, levamisole, effect on growth rate; results consistent with a causal association between ascariasis and malnutrition: Ubiri village near Lushoto, Tanzania

Growth, Host
Williams, R. E.; Hair, J. A.; and McNew, R. W., 1978, J. Parasitol., v. 64 (2), 336-342
Amblyomma maculatum on pastured Hereford steers, effects of tick infestation on blood composition and weight gain

Growth, Host
Anaplasma marginale, Bos indicus cross steers (exper.), effects of reduced energy intake on humoral antibody response, parasitaemia, body weight, packed cell volumes, and plasma protein values

Growth, Host
Yazwinski, T. A.; and Brown, A. H., 1979, Vet. Med. and Small Animal Clin., v. 74 (8), 1156-1158, 1160
intestinal parasites, bulls, levels of infection, variation of growth performance factors in relation to levels of eggs per gram of feces, regression analysis: Arkansas

Growth, Parasite
Argulus coregoni, new method for catching fish louse, trapping free-living stage, growth patterns: Lake Malsjoen, Sor-Trondelag

Growth, Parasite
Haemoproteus columbae in pigeons, growth and development of gametocytes, effect on host cell, multiple infection of erythrocytes, sex ratio

Growth, Parasite
de Almeida, D. F.; and de Souza, W., 1978, J. Parasitol., v. 64 (1), 17-22
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Growth, Parasite
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Diphyllobothrium latum, growth and development in Mesocricetus auratus and Alopex lagopus, comparison with D. dendriticum and D. ditremum, implications of observed differences between these three species to classification of diphyllobothriid cestodes

Growth, Parasite
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Diphyllobothrium dendriticum, abnormal growth pattern in Salmo gairdneri (exper.)

Growth, Parasite
Cucullanellus kanabus, growth patterns (allometry, isometry, curvilinear), implications for use of body proportions as diagnostic features when identifying and/or naming nematode species

Growth, Parasite
physiology of fish parasites, review: chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition (role of gut, role of tegument); metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)
Growth, Parasite
Plasmodium v. vinckei; P. b. berghei, biology of rodent malaria, monograph covering life cycle in vertebrate and invertebrate hosts, light and electron microscopic study of morphology

Growth, Parasite
Euryceustus latissimus sp. nov., reproductive system development sequence, growth analysis

Growth, Parasite
Brugia pahangi, in vitro cultivation in variety of culture systems, effect of temperature and pH on survival of infective stage larvae in vitro, growth and development of larvae in vitro and in vivo, effect of CO2 on infective larvae in vitro, growth and development of early mammalian stages in vitro, electron microscope observations

Growth, Parasite
Trypanosoma cruzi, strains Y and MR cultured for different periods of time, comparison of growth curves and differentiation (epimastigotes to metacyclic trypomastigotes) rates

Growth, Parasite
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Growth, Parasite
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Angiostrongylus cantonensis, intracranial transplantation into rats from mice and into rabbits from rats, subsequent growth and development
Growth, Parasite
Trypanosoma cruzi, comparison of growth and development in 199 medium with inactivated calf serum or with chicken embryo cells at 37° and 33° C

Growth, Parasite
Tubulovesicula lindbergi and Lecithaster gibbosus in captive Oncorhynchus, parasite life span, maturation, and growth

Growth, Parasite

Growth, Parasite
Moniliformis dubius-infected vs. uninfected rats fed isoenergetic diets containing varying amounts of starch, host and parasite growth

Growth, Parasite
Dicrocoelium dendriticum, Pleurogenoides medians, Fasciola hepatica, length of uterus as correlated with body size at different stages of development, mathematical analysis of growth

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Growth, Parasite
Schistoscephalus solidus, procedures for maintenance in laboratory, growth of plerocercoids, relationship between number of proglottids and weight (age) of plerocercoids

Growth, Parasite
Hymenolepis erinaceii growth and population dynamics in Erinaceus europaeus (exper.)

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Growth, Parasite
Leishmania tropica minor, L. aethiopica, polynamine synthesis and levels during growth and replication

Growth, Parasite
trematode parasites of Argentina silus, incidence and intensity in different host length groups, as indicators of change in host feeding habits, not suitable as biological tags to distinguish host populations; Lecithophyllum botryophorum, parasite length/frequency distribution in different host length groups, seasonal variation, parasite life span and growth: western Atlantic

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Growth, Parasite
Proctoeces ichiharae, general morphology of developmental stages, growth and relative growth of internal organs

Growth, Parasite
Rictularia jodhpurensis in male and female Rattus rattus of 3 different age categories, incidence, intensity, seasonal variation, parasite sex ratio, parasite length in relation to host weight and worm burden: Jodhpur, India

Growth, Parasite
Ophidascaris spp., Amplicaecum robertsi, review of speciation, development, and geographic distribution with particular reference to migratory behavior and growth in tissues of experimentally infected mice and pythons

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Hymenolepis peromysci, growth and development of cysticercoids in Tribolium confusum (exper.) and of adult worms in Mesocricetus auratus (exper.)

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Ligula intestinalis, effect on Rutilus rutilus population in gravel pit, fall in number of parasitized roach due to predation by other fish, parasitized roach failed to become sexually mature but their actual growth rate was not markedly reduced, plerocercoids grew more rapidly during summer, roach less than 9 months of age should not be introduced into confined waters: southern England

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Philometroides huronensis, morphology, growth and development of larval stages in copepods, transmission to Catostomus commersoni held at controlled temperatures and photoperiods

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Boophilus microplus, development on previously unexposed Bos indicus and B. taurus, body length measurements for estimation of ages of parasitic stages, growth rates on various body regions of host

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Guadeloupe
survey, human intestinal parasites in students of Guadeloupe (trichocephales; Ascaris; ankylostomes; bilharzies; amibes; Entamoeba coli; Lambia; oxyures; anguilules; Hymenolepis nana)

Guatemala
intestinal parasites, prevalence survey, inhabitants of rural area of Northeastern Guatemala (Ascaris lumbricoides; Entamoeba histolytica; Uncinaria; Dientamoeba fragilis; Giardia lamblia; Trichuris trichiura; Strongyloides stercoralis; Enterobius vermicularis; Taenia saginata; T. solium; Hymenolepis nana; H. diminuta; Entamoeba coli; Endolimax nana; Isodamoeba butschlii; Trichomonas hominis; Chilomastix mesnili; flagelata pequena; Belantidium coli)

Guatemala
fecal survey, enteropathogenic agents in children suffering from dysentery: Guatemala (Giardia lamblia; Strongyloides stercoralis; Trichuris trichiura; Uncinaria; Ascaris lumbricoides; Hymenolepis nana)
**Haiti**


intestinal helminthiasis, humans, epidemiological survey and comparative study of fecal diagnostic methods (neocorniortiasis; ascaridiasis; trichuriasis; Taenia spp.; H. nana)

**Hatching**


Trichobilharzia indica, miracidium, description, mode of hatching

**Hatching**


Schistosoma mansoni miracidia in egg, water uptake and metabolic changes, hatching mechanism

**Hatching**


Schistosoma mansoni, sewage stabilization ponds efficient barrier against transmission, laboratory and field experiments, egg hatchability, miracidia infectivity, and survival of Biomphalaria glabrata

**Hatching**


Fasciola hepatica, separate and combined effect of light and temperature on hatching of eggs

**Hatching**


Haemaphysalis longicornis, Ixodes holocyclus, and Rhipicephalus sanguineus eggs, temperature and humidity preferences

**Hatching**

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Fasciola spp., cattle and water buffaloes, morphology, egg hatching time, phototaxis, and infectivity of miracidia to Limmnea culla (exper.), intra-species variation: Taipei abattoir, Taiwan

**Hatching**


Pseudodactylogyrus microrochis on Anguilla anguilla (gills), influence of water temperature on oviposition, hatching and development of parasite

**Hatching**

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Diplozoon spp., morphology of eggs and larvae, technique for hatching larvae and their impregnation by silver, distribution of ciliated cells and sensillae in larvae, possible use of egg and larval characters in species differentiation

**Hatching**


Diplozoon homoin gracile from Barbus meridonalsis, egg-laying and hatching rhythms, probably synchronized to host behavior so as to increase chances of successful invasion by larvae

**Hatching**


5 spp. of nematodes, inhibitory action of juvenile hormone and its analogues on hatching of eggs, possible mode of action of the hormone as an inhibitor, implications for mechanism of egg hatching

**Hatching**


Strongyloides robustus, development of eggs in vitro, route of infection and prepatent period in goats (exper.)

**Hatching**

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Eupolypharma anterorchis, oviposition; hatching; oncomiracidium, distribution of tegumental ciliated cells and sensillae, systematic implications

**Heart**


Chagas disease, humans, endocardial changes in apical region

**Heart**


Human Chagas disease, high number of mast cells in myocardium, possibly responsible for sclerosing character of myocarditis

**Heart**


Chagas disease, human, tachycardia and aneurysms, case reports, medical and surgical management
Heart
Trypanosoma cruzi, histologic changes found in 20 human cases of acute and chronic Chagas disease or Toxoplasma gondii, etiology, clinicopathological correlations with autopsies, review: Chile

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Trypanosoma cruzi, infection of human heart, pathology of acute and chronic phases

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Chagas' cardiomyopathy, pathogenic mechanisms, review

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Chagas' disease, leucocyte migration inhibition test using parasite vs. heart antigens

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Ascaris lumbricoides, young child, extensive hepatic and intestinal ascariasis with migration of adult worm to right ventricle of heart, clinical and autopsy report: Planaltina (DF), Brasil

Heart
Trypanosoma equiperdum-infected guinea pigs (exp.), alterations in cardiac muscles, observations on ECG records, histological and histochemical estimations of glycogen content, pyruvic acid levels in blood, evidence of Vitamin B1 deficiency

Heart
Human Chagas cardiac disease, phonomecardiographic parameter of left ventricular systole in pre-clinical infection

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Human Chagas cardiac disease, relationship between the pre-ejection and ejection phases of the left ventricle in chronic infections

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Filariasis, with associated coronary insufficiency, case report, young adult male native of Greece who had resided in Congo, Africa

Heart
Chagas disease, human, demonstration of degenerative lesions in cardiac autonomic fibers and interstitial cells supports theory that cardiopathy is of neurogenic origin

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Spirocerca lupi, dog, hemopericardium, case report: Estudo de Goias

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Gear, J. H. S.; and Measroch, V., 1971, Recent Advances Stud. Cardiac Struct. and Metab., v. 2, 141-163
Human filariasis, malaria and trypanosomiasis, etiology in endomyocardial fibrosis and other infective forms of myocarditis, review

Heart
Human echinococcal cyst in ventral septum of heart with resulting pulmonary valve stenosis, clinical case report; discussion of clinical features and radiologic diagnosis

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van den Ingh, T. S. G. A. M.; and Neijssen-Bakker, M. H., 1979, Tropenmed. u. Parasitol., v. 30 (2), 239-245
Trypanosoma vivax-infection of cattle, monocellular pancarditis with extravascular trypanosomes, considered to be local immune response to these extravascular trypanosomes

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Toxoplasma gondii, human, toxoplasmic carditis, 18 cases in one community, epidemiology, pathology, clinical management: Hamilton, Ontario, Canada


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Heat. See Temperature.

Helminthiasis, Human
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dearth rates from parasitic and transmissible diseases, statistical survey, projections for the future, includes amoebiasis and helminthiasis: Mexico

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Helminths, Parasites of. See Hyperparasitism.

Hemagglutination. See Immunity, Agglutination.

Hematocrit. See Anemia; Blood.

Hematuria. See Urine and urinary tract.

Hemocytes. See Blood; Hemolymph.

Hemoglobin. [See also Anemia; Blood; Pigments]

Hemoglobin
Bogitsh, B. J., 1978, Exper. Parasitol., v. 45 (2), 247-254 Schistosoma mansoni, uptake and fate of exogenous hemeproteins (horseradish peroxidase and hemoglobin) by schistosomules maintained in vitro

Hemoglobin, Host
Altaif, K. I.; and Dargie, J. D., 1978, Parasitology, v. 77 (2), 161-175
Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysiological response of sheep to moderate primary infection, concluded that genetic resistance operated primarily against worm establishment and was probably controlled by the immune response elicited, in heavy infections there was no correlation between worm establishment and haemoglobin type

Hemoglobin, Host
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Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysiological response of sheep to re-infection (either after primary infection was terminated with anthelmintic or challenge superimposed on existing adult infection), patterns of worm establishment and disease indicated that genetic factors operated in determining resistance, breed but not haemoglobin type appeared to be of some significance in 'self-cure'

Hemoglobin, Host
Altaif, K. I.; and Dargie, J. D., 1978, Research Vet. Sci., v. 24 (3), 391-393 Ostertagia circumcincta, Scottish Blackface sheep of different haemoglobin type, sheep of haemoglobin type A more resistant to infection than type B

Hemoglobin, Host

Hemoglobin, Host
Beier, T. V.; and Sidorenko, N. V., 1972, Parazitologiya, Leningrad, v. 6 (4), 385-390 haemogregarine-infected erythrocytes of Lacerta armeniaca and L. saxicola nairessis, changes in hemoglobin and total protein content

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Cuperlovic, K.; Altaif, K. I.; and Dargie, J. D., 1978, Research Vet. Sci., v. 25 (1), 125-126 sheep with hemoglobin AA showed better antibody response to some non-parasitic antigens than those with hemoglobin BB, results indicate that greater resistance of the former sheep to gastrointestinal nematodes is a reflection of superior immunological competence

Hemoglobin, Host
Hemoglobin, Host

Plasmodium falciparum, development in cells with sickle cell hemoglobin, results suggest that mechanism of sickle cell resistance in vivo may be due solely to intraerythrocytic conditions

Hemoglobin, Host
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Plasmodium falciparum, in vitro cultures, host cell competence of abnormal hemoglobin-containing erythrocytes, evolutionary significance of results

Hemoglobin, Host

Spirocamallanus cricotus in Microgonias undulatus, parasite and host hemoglobin, characterization by isoelectric focusing and spectrophotometry revealed differences

Hemoglobin, Host
Trichuris trichiura, children with high prevalence of infection, study showed no association between infection and iron deficiency anemia although hemoglobin values tended to be slightly lower: Vieques Island, Puerto Rico

Hemoglobin, Host
parasitic infestations in women using various types of contraceptive devices compared with women using no devices and with males, results correlated with haemoglobin levels of all groups, only malaria of anaemia-inducing infections occurred with significant variation, course of infections may be enhanced by presence of contraceptives

Hemoglobin, Host
Kurlekar, N.; and Mehta, B. C., 1979, Indian J. Med. Research, v. 70, 206-208
diagnostic accuracy of beta thalassemia trait based on haemoglobin-A2 levels in an individual or population not altered by the presence of malarial infections

Hemoglobin, Host

Hemoglobin, Host
Plasmodium falciparum, hemoglobin S has detrimental effect on parasite proliferation, this involves both invasion into red cell and growth once inside and requires conditions of low oxygen tension, actual sickling of cells concerned is not necessary, provides explanation for protection of sickle cell heterozygotes against P. falciparum malaria and thus for high frequency of sickle-cell gene in parts of world where malaria is or has been endemic

Hemoglobin, Host

Hemoglobin, Host
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Haemonchus contortus, sheep, influence of haemoglobin phenotype on susceptibility to infection: Kenya

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treated and untreated Guzera heifers compared for weight gains, hemoglobin levels, and helminth infestation: region of Sertaozinho, Sao Paulo, Brazil

Hemoglobin, Host
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Plasmodium berghei berghei, inbred mouse strain partially resistant to infection, surveillance of hemoglobins and glucose-6-phosphate-dehydrogenase changes from 12th day of gestation to 3rd day after birth, no correlations with Plasmodium resistance

Hemoglobin, Host
Plasmodium spp.-infected patients, hemoglobin A2 levels not statistically different from healthy controls, malaria is thus unlikely to influence results of surveys for B-thalassemia in malaria-endemic areas

Hemoglobin, Parasite
Spirocamallanus cricotus in Microgonias undulatus, parasite and host hemoglobin, characterization by isoelectric focusing and spectrophotometry revealed differences

Hemoglobin, Parasite
Suzuki, T.; and Ishida, K., 1979, Expner. Parasitol., v. 48 (2), 225-234
Anisakis, physicochemical properties of larval and adult hemoglobins, evidence suggests relationship between Type I larva and A. simplex and between Type II larva and A. philae teris; general considerations on differences in parasite hemoglobin as basis for taxonomic distinction

Hemoglobin, Parasite
Tuchschmid, P. E.; Kunz, P. A.; and Wilson, K. J., 1978, European J. Biochem., v. 88 (2), 387-394
Dicrocoelium dendriticum, hemoglobin, isolation and characterization

Hemoglobinuria. See Urine and urinary tract.

Hemolymph
Rhipicephalus sanguineus, Dermacentor andersoni, hemolymph sugar content analyzed
Hemolymph

Brockelman, C. R., 1978, Ztschr. Parasitenk., v. 57 (2), 137-144
Angiostrongylus cantonensis-infected Achatina fulica, effects of parasitism and stress on hemolymph protein

Hemolymph

Cheng, T. C.; et al., 1978, J. Invert. Path., v. 31 (1), 57-62
Echinostoma lindoense-infected Biomphalaria glabrata, elevation of aminopeptidase activity in hemocytes and serum, possible that this lysosomal enzyme may degrade surface proteins of secondarily introduced parasites and thus act as form of acquired humoral immunity

Hemolymph

Schistosoma mansoni, total proteins and free amino acids in hemolymph of Biomphalaria alexandrina and Helisoma duryi pre- and post-exposure to miracidia

Hemolymph

Gordon, R.; et al., 1978, Parasitology, v. 77 (3), 367-374
Neosomermis flumenalis in Prosimulium mixtum/fuscum and Simulium venustum, effects of parasitism on hemolymph composition (protein, amino acid, carbohydrate), relation to nematode's nutritional requirements

Hemolymph

Gordon, R.; et al., 1979, Comp. Biochem. and Physiol., v. 64B (4), 369-374
Romanomermis culicivorax, Neosomermis flumenalis, lipids in storage organs of nematodes and in hemolymph of uninfected Prosimulium mixtum/fuscum, Simulium venustum, and infected and uninfected Aedes aegypti

Hemolymph

Sacculina carcini-parasitised Carcinus mediterraneus, immunochemical analysis of hemolymph confirms presence of protein fraction not observed in healthy crabs, some infected crabs develop anti-Sacculina precipitin reaction

Hemolymph

Pristionchus uniformis in Galleria mellonella (exper.), shortening of lifetime, changes in hemolymph

Hemolymph

Schistosoma mansoni, levels of lysozyme activity in Biomphalaria glabrata (hemolymph, digestive gland, and headfoot extracts) during infection with compatible and incompatible parasite strains, results suggest that lysozyme does not by itself play a major role in the destruction of a schistosome infection in a resistant snail host

Hemolymph

Kassim, O. O.; and Richards, C. S., 1978, Exper. Parasitol., v. 46 (2), 218-224
Biomphalaria glabrata (intermediate host of Schistosoma mansoni), lysozyme activities in hemolymph, digestive gland, and headfoot of uninfected snails

Hemolymph

Plasmodium berghei-infected and uninfected Anopheles stephensi, free amino acids in hemolymph

Hemolymph

Plasmodium berghei-infected and noninfected Anopheles stephensi, carbohydrates in hemolymph

Hemolymph

Rutherford, T. A.; and Webster, J. M., 1978, Canad. J. Zool., v. 56 (2), 339-347
Mermis nigrescens-infected Schistocerca gregaria, trehalose, glucose, free amino acid, and lipid fatty acid composition of hemolymph

Hemolymph

Stanislawski, E.; and Becker, W., 1979, Comp. Biochem. and Physiol., v. 63A (4), 527-533
Biomphalaria glabrata, influences of semisynthetic diets, starvation, and Schistosoma mansoni infection on metabolism (using criteria of egg-laying activity and hemolymph components)

Hemolymph

Stanislawski, E.; Becker, W.; and Mueller, G., 1979, Comp. Biochem. and Physiol., v. 63B (4), 477-482
Biomphalaria glabrata, alterations of free amino acid content in hemolymph in starvation and after infection with Schistosoma mansoni

Hemolymph

Stein, P. C.; and Basch, P. F., 1979, J. Invert. Path., v. 33 (1), 10-18
Biomphalaria glabrata, purification of hemagglutinin from hemolymph, albumin glands, and egg masses, binding to Schistosoma mansoni larval stages in vitro and in vivo
Hemorrhage
Hanson, D. P.; and Daly, D. S., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 197–200
Acute upper gastrointestinal hemorrhage, fibro-ondoscopic study, results include dramatic association of esophageal varices and tribes with endemic schistosomiasis mansoni: Kenyatta National Hospital, Nairobi, Kenya

Hepatitis. See Liver.

Heredity. See Genetics.

Hibernation
Beier, T. V., 1979, Tsitologia, v. 21 (3), 295–299
Karyolysus sp. trophozoites, interaction with lizard liver cells during host hibernation: lake Sevan, Armenia

Hibernation
Trichobius corynorhini on hibernating Plecopterus townsendii, parasite distribution on host, frequency and levels of infestation in relation to host density and clustering behavior and sex, value of these adaptations

Hibernation
Helminths overwintering in garter snakes, host hypobiosis not accompanied by significant changes in prevalence or intensity of parasite infections: Ille Perrot, Province Quebec, Canada

Hibernation
Gregarines, possibly Nematopsis-Porospora group in Crassostrea virginica, seasonal pathology suggests that parasites overwinter in hibernating oysters, undergo vegetative growth in the spring, and then perish or undergo further development in an unknown host

Hibernation
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Steelman, S. L.; et al., 1971, Recent Progr. Hormone Research, v. 27, 97-120
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Host-parasite relationships
dia Cunha, A. B.; and Jurand, A., 1978, Arch. Protistenk., v. 120 (3), 233-234
Schneideria schneiderae in Trichosia pubescens (exper.), entry into and development in cells of intestinal caecum, host cell-symbiont interrelations, metabolic exchanges, symbiotic bacteria in cytoplasm of Schneideria, ultrastructural study
Host-parasite relationships
Damian, R. T., 1979, Host-Parasite Interfaces, 103-126
molecular mimicry in biological adaptation, host-parasite and other biological relationships, review

Host-parasite relationships
Holmes, J. C., 1979, Host-Parasite Interfaces, 27-46
biohelminth parasite populations and host community structure, theoretical review

Host-parasite relationships
ecological parasitology, relationships among host, parasite, and environment, terminology, methods of study, various international programs, extensive review

Host-parasite relationships
Triaenophorus, monographic review of morphology, life cycle, development, geographic distribution, interrelation with host and pathogenic role, host specificity, evolution, species formation; key to species; host list, synonymy, includes: T. nodulosus (Pallas, 1781); T. amurensis Kuperman, 1968; T. stizostedionis Miller, 1945; T. crassus Forel, 1888; T. meridionalis Kuperman, 1968; T. orientalis Kuperman, 1968

Host-parasite relationships
Lumsden, R. D., 1979, Host-Parasite Interfaces, 49-70
helminth parasitism, mammalian inflammatory response, review of morphological aspects of host-parasite interaction

Host-parasite relationships
McLaren, D. J.; et al., 1979, Parasitology, v. 79 (1), 125-139
Plasmodium knowlesi, interaction between malaria parasite and host erythrocyte, freeze fracture studies of internal cytoarchitecture of surface membranes

Host-parasite relationships
dynamics of model host-parasite associations, factors that tend to have a destabilizing influence: parasite induced reduction in host reproduction; effects of parasites reproducing directly inside their host; effects of time delays in parasite reproduction and transmission

Host-parasite relationships
Nemato~spiroide~s dubius, different consequences of infection in 3 different inbred strains of mice

Host-parasite relationships
Moulder, J. W., 1979, Host-Parasite Interfaces, 127-138
evolutionary origin of intracellular parasitism, speculative review

Host-parasite relationships
Nelson, W. A.; et al., 1975, J. Med. Entomol., v. 12 (2), 143-166
ectoparasitic arthropods, physiologic relationships with hosts (life histories, distribution on host, feeding mechanisms, effect of nutrition and endocrine state of host, parasite toxins), broad review

Host-parasite relationships
host-tick interactions reviewed: tick feeding mechanism and innate and acquired host resistance; host specificity

Host-parasite relationships
Sankurathri, C. S.; and Holmes, J. C., 1976, Canad. J. Zool., v. 54 (10), 1742-1753
parasites and commensals (Oligochaeta and larval Digesta of Physa gyrina in control area vs. area affected by thermal effluents, prevalence, seasonal changes, interactions (including ingestion of cercariae by oligochaete), ecological model: Lake Wabamun, Alberta

Host-parasite relationships
Shishova-Kasatochkina, O. A.; and Leutskaia, Z. K., 1979, [Biochemical aspects of the interrelationships of helminths and their hosts. Metabolism of proteins, vitamins, and steroids in the process of parasitization], 279 pp., illus.

Host-parasite relationships
Stutterheim, C. J., 1977, South African J. Sc., v. 73 (9), 281
Amblyomma hebraeum, Boophilus decoloratus, prey species parasitizing predator, Buphagus erythromyschus: Kruger National Park

Host-parasite relationships
helminth life cycles, role of amphixeny (host having double function in life cycle) in their evolution, theoretical review

Host-parasite relationships
Cuterebra fontinella on Peromyscus leucopus novoboracensis, mean infestation rate, host age, reduced size of reproductive organs in infected subadult males, no effect on adult male and female reproductive organs, parasite-host relationships are stable and parasite and host have evolved coadaptations and a tolerance for each other

Host-parasite relationships
Vasilev, I., 1976, Khelmintologia, Sofia, v. 2, 32-41
host categories (obligatory, paratenic, and potential) and their role in helminth ontogeny

Host-parasite relationships
chiggers, host-parasite relationships, and ecological preferences: Douglas Lake region, northern Michigan

SUBJECT HEADINGS
Host perception by parasites. [See also Attractants; Taxis]

Host perception by parasites

Camin, J. H.; and Drenner, R. W., 1978, J. Parasitol., v. 64 (5), 995-999
Haemaphysalis leporispalustris, climbing behavior and host-finding of larval ticks, strato-orientation restricts tick's host spectrum to rabbits and ground-dwelling or feeding birds and has implications for tick dispersal.

Host perception by parasites

Christensen, C. M.; and Dobson, R. C., 1979, J. Kansas Entom. Soc., v. 52 (2), 386-391
Haematobia irritans, attraction to Angus bulls and steers (testosterone propionate treated vs. nontreated), positive relationship between attractiveness and sebaceous gland numbers and cell numbers.

Host perception by parasites

Dictyostomum spathaceum, Hypoderaeum conoideum, Plagiorchidae sp., Notocotylus attenuatus, labelling cercariae with radioactive phosphorus, labelling cercariae with radioactive phosphorus, no negative effects on cercariae, positive applications of technique; labelled H. conoideum for radioactive assay of host-finding by measuring snail-bound radioactivity in Helisoma duryi after exposure to cercariae.

Host perception by parasites

Coill, W. H., 1977, Ztschr. Parasitenk., v. 52 (1), 7-14
Schistosoma mansoni, various aquatic organisms can interfere with cercarial host-finding.

Host perception by parasites

Fascioloides magna miracidia, scanning electron microscopy of penetration of snail Fossaria bulinoides, attraction, attachment, morphology of apical papilla and epidermal plates, shedding of cilia and epidermal plates.

Host perception by parasites

Garben, A. F.; van Bronswijk, J. E. M. H.; and van Ebbenhof Tengbergen, T., 1978, Netherlands J. Zool., v. 28 (2), 193-205
Neotrombica autumnalis, behavior of unfed and feeding larvae (stability, movements, and sensory physiology of nite clusters; host finding and feeding), localization on host: the Netherlands.

Host perception by parasites

Ceratophyllum hirundinus hirundinus, C. styx styx, surface structure and cellular detail of sensillum, light, stereoscan, and transmission electron microscopy, possible modes of functioning.

Host perception by parasites

Howell, F. G., 1975, J. Med. Entomol., v. 11 (6), 715-723
Argas cooleyi unfed adults, behavioral changes induced by host odor, breath (CO2), and body temperature in relation to host-finding activities and provoking a feeding response.

Host perception by parasites

James, C.; and Prah, S. K., 1978, J. Helminth., v. 52 (3), 221-226
Schistosoma mansoni, S. haematobium, penetration efficiency and selective capacity of miracidia based on infection rates produced in Bulinus pfeifferi and B. globosus respectively, scanning capacity also compared in increasing volumes of water, over increasing horizontal distances, and in running water of different flow rates, effect of miracidial density, epidemiological implications.

Host perception by parasites

Trichobius corynorhini on hibernating Plecotus townsendii, parasite distribution on host, frequency and levels of infestation in relation to host density and clustering behavior and sex, value of these adaptations.

Host perception by parasites

Mason, P. R., 1979, J. Parasitol., v. 65 (5), 819-820
Ammonia excretion by Biomphalaria pfeifferi (natural host for Schistosoma mansoni) almost twice that excreted by Bulinus globosus, possible mechanism for host selection by S. mansoni miracidia.

Host perception by parasites

Schistosoma mansoni miracidia, effect of sugars, fatty acids, amino acids, and snail excretion products on activity, some effects concentration dependent and pH dependent, possible role for chemo-klinokinetic behavior patterns in miracidial host location.

Host perception by parasites

Ixodes ricinus larvae, overdispersed distribution on small mammal species in field during spring and autumn, host sex, feeding success on different host species under laboratory conditions, orientation, movements, and spatial frequency distribution on host body: Kullaberg, southern Sweden.

Host perception by parasites

Nyrbjerf Christensen, N.; Nansen, P.; and Frandsen, T., 1978, J. Helminth., v. 52 (1), 61-67
Fasciola hepatica, host-finding capacity of miracidia in relation to time, number of miracidia per snail (Lymnaea truncatula), and several physico-chemical environmental factors (light/dark, water volume, pH, turbidity, salinity).
Subject Headings

Host perception by parasites
Prechel, D. P.; and Nollen, P. M., 1979, J. Parasitol., v. 65 (3), 446-450
Megadiscus temperatus, effects of miracidial aging and dilution of snail-conditioned water on responses of miracidia

Host perception by parasites
Ixodes neitzi, attraction of adult ticks to twigs marked by Oreotragus oreotragus (Klipspringer antelope), first report of tick species locating its mammalian host by detecting specific chemical compound(s) used by host as communicative marking signal thus increasing probability of survival in that particular habitat

Host perception by parasites
Robert, T. M.; et al., 1978, J. Parasitol., v. 64 (2), 277-282
Schistosoma mansoni, quantitative assay for testing behavioral responses of miracidia to chemicals, used to screen chemicals for miraxone-like activity and to test for inhibitors of miracidial responses to stimulants

Host perception by parasites
Neapectecta carpopcapscae dauerlarvae, attraction to various insect larvae appears to be chemical in nature, response to larvae of Galleria mellonella is a function of distance

Host perception by parasites
Philophthalmus rhionica, miracidium chemoreception system functions to differentiate specific host Melanopsis praemorsa from other snail species, not for searching, "inductor" substance(s) localized in snail mucus initiates recognition by miracidium

Host perception by parasites
Sutherst, R. W.; et al., 1978, Austral. J. Zool., v. 26 (1), 159-174
Boophilus microplus, cattle, experimental and theoretical studies on rates of host finding, conceptual model of the host-finding component

Host resistance. See Resistance, Host.

Host specificity. See Specificity, Host.

Humidity. [See also Climate and weather; Desiccation; Water]

Humidity
Eimeria phasiani and E. colchici in Phasianus colchicus, dynamics of incidence dependent upon host biotope, host movements, season, temperature, and humidity: Mittelbohmen

Humidity
Brown, S. J.; Bohnsack, K. K.; and Atkins, N. D., 1979, J. Kansas Entom. Soc., v. 52 (2), 258-265
Decenter variabilis, nymphs, effects of acclimation humidities on survival and subsequent attachment and engorgement on guinea pigs

Humidity
Trichostrongylus axei, ecology of free-living stages: development and survival of eggs and larvae, corresponding meteorological data: Pastoral Research Institute, Hamilton, Victoria, Australia

Humidity
Trichostrongylus vitrinus, development and survival of free-living stages, some corresponding meteorological data: western Victoria, Australia

Humidity
Boophilus microplus, attachment and survival of larvae on skin slices in vitro, influence of temperature, relative humidity, and host factors

Humidity
Xenopsylla skrjabini, X. nutalli, longevity of males and females at different temperatures and humidities under laboratory conditions

Humidity
Hippobosca longipennis, biology in Egypt, laboratory observations: adult emergence, feeding mechanism, frequency and amount of blood meal, tolerance to starvation, sexual maturity, mating behavior, sex ratio, intrauterine larval development, larviposition and description of 3rd larval stage, adult longevity and fecundity, description of pupa, pupal duration (effect of temperature, relative humidity, and host)

Humidity
Hippobosca equi, field-collected and laboratory-reared on guinea pigs, biology, adult males vs. females (feeding, longevity of starved adults in 2 seasons, longevity of normal adults and fecundity in 2 seasons, effect of presence of males on fecundity of females, sexual maturation, sex ratio); larval stage (larviposition, description, and duration of 3rd larval stage; seasonal intrauterine larval development); pupal stage (duration, effect of temperature and humidity)

Humidity
Healy, J. A., 1979, Genetica, v. 50 (1), 19-30
Ixodes ricinus, polymorphism at a-glycerophosphate dehydrogenase locus detected by electrophoresis, allele and genotype frequency patterns in natural tick populations, physiological and behavioral correlates of alternate genotypes (susceptibility to desiccation, locomotory efficiency, sex and locality differences, results provide evidence that polymorphism serves adaptive function and suggest factors that may be involved in selective maintenance of variability in natural populations: Ireland
Humidity


Haemaphysalis longicornis, Ixodes holocyclus, and Rhipicephalus sanguineus eggs, temperature and humidity preferences

Humidity

Jurgenson, I. A.; and Teplykh, V. S., 1971, Parazitologiya, Leningrad, v. 5 (2), 119-127
Ctenophthalmus orientalis, preimaginal phases, effect of temperature and relative humidity on survival and development

Humidity

Fasciola gigantica, survival of metacercariae on rice plants exposed to various room temperatures and relative humidities for varying lengths of time, infectivity to rabbits (exper.), significance in use of rice stems as cattle feed

Humidity

Gasterophilus intestinalis 3rd instars artificially removed from stomachs of horses at various times of year, viability and maturation potential, effect of holding temperatures, humidity, and instar maturity on rate of development and percent puation and eclosion

Humidity

Amphipsylla rossica, ecology, field and laboratory studies: feeding, reproduction, development, survival, and longevity under various conditions of temperature and humidity; age composition and physiological state of populations in different months; abundance on Microtus arvalis and in its nests and burrow entrances in different months: Transcaucasian highlands

Humidity

Strongyloides papillosus, effect of relative humidity on eggs and larvae

Humidity

Ancylostoma tubaeforme, eggs and third-stage larvae, survival of desiccation under defined relative humidities at high temperatures in the laboratory

Humidity

Okulova, N. M., 1978, Ekologiia, Sverdlovsk (2), 44-48
Ixodid ticks, vertical and horizontal movements in forest conditions, dependent upon air temperature and humidity

Humidity

Argas persicus, distribution in poultry farms, egg and larval development studied at various humidities: Khartoum Province, Sudan

Humidity

Steatonyssus musculi, influence of temperature and humidity on viability

Humidity

Amblyomma americanum, oviposition behavior and larval longevity in 4 different habitats, preoviposition time and egg incubation temperature dependent

Humidity

Ixodes ricinus, Hyalomma marginatum, effect of different combinations of temperature and humidity on oviposition

Humidity

Gasterophilus spp., horses, monthly dynamics, influence of different climatic factors: Havana province, Cuba

Humidity

Raizada, R. N.; and Nagar, S. K., 1979, Indian J. Animal Sc., v. 49 (8), 622-628
Boophilus microplus, abundance and distribution in relation to environmental conditions; site preferences for feeding on cows and buffalo: Uttar Pradesh

Humidity

Haemomonchus contortus utkalensis in goats, vulvar configurations, 17 variants identified among 3 phenotypes, seasonal occurrence in relation to temperature and humidity, order of dominance is knobbed > linguiform > smooth except in July when it is knobbed > smooth > linguiform: Ludhiana, India

Humidity

Strongyloides stercoralis, life cycle, larval survival and development under different conditions of temperature, humidity, and pH in soil, water, feces, hogwash, and cow dung, potential for transmission under climatic conditions of Poland

Humidity

Eimeria tenella, broiler chickens, varied temperature and moisture regimes, blood biochemistry, host resistance, efficacy of pancoxin plus

Humidity

Rhipicephalus appendiculatus, temperature, humidity, and vegetation, effects on development and survival

Humidity

Ornithodoros tartakovskyi, summer distribution in porcupine or terrapin burrows, temperature and humidity conditions: southern Tadzhikistan
Hybridization
Schistosoma intercalatum, morphology of cercarial glands; aggregates of cercariae formed by adhesive post-acetabular gland secretions, physical factors triggering aggregation behavior and impairing invasion of final host; hybridization with S. haematobium and fate of hybrids among natural populations; hypotheses on cercarial aggregation behavior and natural hybridization as factors limiting distribution of S. intercalatum

Hybridization
Schistosoma japonicum, Schistosoma incognitum, heterologous mating observed in experimentally infected rodents, implications of hybridization in increasing range of intermediate and definitive hosts

Hybridization
Suswillo, R. R.; et al., 1978, Parasitology, v. 77 (2), 153-160
Brugia patei, B. pahangi, sub-periodic B. malayi, these 3 species are able to hybridize but fail to produce fertile offspring because of male sterility, little doubt that they are not only morphological but also biological species

Hybridization
Thomas, C.; and Prasad, R. S., 1978, Experientia, v. 34 (11), 1440-1441
Xenopysylla astia, populations from different localities, differences in chromosome numbers, morphological differences; sterility in hybrids between the two populations: Bombay; Trivandrum

Hybridomas. See Immunity, Monoclonal antibodies.

Hydrogen ion concentration
Giardia sp., excystation in vitro, effects of temperature, pH, time, and incubation medium; eosin exclusion and excystation compared as methods of determining cyst viability, effect of temperature on cyst viability

Hydrogen ion concentration
Giardia, excystation in acidic solutions, pattern of trophozoite emergence during excystation, method for routine in vitro induction of excystation, establishment of in vitro axenic cultures from excysted trophozoites

Hydrogen ion concentration
Brugia pahangi, in vitro cultivation in variety of culture systems, effect of temperature and pH on survival of infective stage larvae in vitro, growth and development of larvae in vitro and in vivo, effect of CO₂ on infective larvae in vitro, growth and development of early mammalian stages in vitro, electron microscope observations

Humidity
Vivo Rodriguez, R., 1977, Noticias Neosan (186), v. 35, 35-38, 41-43
Coccidiosis, lambs, excretion and development of oocysts, humidity of bedding, and growth of hosts

Humidity
Wharton, D. A., 1979, Exper. Parasitol., v. 48 (3), 398-406
Ascaris lumbricoides, eggs, effect of humidity on embryonic development, rate of water loss during desiccation, effect of temperature on water loss

Humidity
Yamaura, H., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (2), 80-86
Toxoplasma oocysts, No. 1 and Fukaya strains, effects of low temperature and dryness on viability

Humidity
Zolotova, S. I.; and Afanas'eva, O. V., 1971, Parazitologiya, Leningrad, v. 5 (4), 364-368
Ctenophthalmus dolichus, rate of development in relation to temperature and humidity

Humidity
Zolotova, S. I.; and Iakunin, B. M., 1973, Parazitologiya, Leningrad, v. 7 (1), 24-30
Pulex irritans, rate of development under different experimental conditions of temperature and humidity

Hungary
Monogenea of Hungary, keys to superfamilies, families, genera, and species

Hybridization
Britov, V. A., 1977, Genetika, v. 13 (6), 1025-1029
Trichinella, 4 spp., hybridization experiments to determine degree of genetic relationship

Hybridization
Schistosoma incognito, description, distribution, zoonotic potential and possible hybridization with S. japonicum: Central Sulawesi, Indonesia

Hybridization
Frandsen, F., 1978, J. Helminth., v. 52 (1), 11-22
Schistosoma intercalatum, results of hybridization between different strains from Cameroun and Zaire

Hybridization
Haemonchus contortus, Haemonchus placei, hybridization experiments

Hybridization
Suswillo, R. R.; et al., 1978, Parasitology, v. 77 (2), 153-160
Brugia patei, B. pahangi, sub-periodic B. malayi, these 3 species are able to hybridize but fail to produce fertile offspring because of male sterility, little doubt that they are not only morphological but also biological species

Hybridization
Thomas, C.; and Prasad, R. S., 1978, Experientia, v. 34 (11), 1440-1441
Xenopysylla astia, populations from different localities, differences in chromosome numbers, morphological differences; sterility in hybrids between the two populations: Bombay; Trivandrum

Hybridomas. See Immunity, Monoclonal antibodies.

Hydrogen ion concentration
Giardia sp., excystation in vitro, effects of temperature, pH, time, and incubation medium; eosin exclusion and excystation compared as methods of determining cyst viability, effect of temperature on cyst viability

Hydrogen ion concentration
Giardia, excystation in acidic solutions, pattern of trophozoite emergence during excystation, method for routine in vitro induction of excystation, establishment of in vitro axenic cultures from excysted trophozoites

Hydrogen ion concentration
Brugia pahangi, in vitro cultivation in variety of culture systems, effect of temperature and pH on survival of infective stage larvae in vitro, growth and development of larvae in vitro and in vivo, effect of CO₂ on infective larvae in vitro, growth and development of early mammalian stages in vitro, electron microscope observations
Hydrogen ion concentration
Christie, M. G.; et al., 1978, J. Comp. Path., v. 88 (2), 157-165
Haemonchus contortus, re-infested sheep, acquired resistance to repeated daily doses of 10,000 infective larvae, no association of resistant state with raised abomasal pH, histology of mucosa after prolonged exposure

Hydrogen ion concentration
Do Duong Thai; Pham Hoang The; and Pham Ngoc Thai, 1971, Rev. Med., Hanoi, 5-9
Ascaris lumbricoides, in vitro study suggests variations in pH of host intestine may be etiologic cause of parasite migration to bile ducts or of intestinal obstructions

Hydrogen ion concentration
Entamoeba histolytica, influence of pH on amoebicidal activity of 6 systemically active amoebicides against axenically grown parasites, results indicate that acidic pH in amoebic liver abscesses may account for some therapeutic failures

Hydrogen ion concentration
Fetterer, R. H.; et al., 1978, Exper. Parasitol., v. 46 (1), 59-71
Schistosoma mansoni, physical and chemical factors affecting mechanical properties of adult male musculature in vitro (incubation media, buffers, temperature, osmolality, pH, ions), improvements in system for recording motor activity; results indicate that S. mansoni musculature is similar to smooth muscle found in mammals

Hydrogen ion concentration
Krivenko, V. V., 1979, Gig. i Sanitariia (4), 80-81
Ophisthorchis eggs, survival in water and soil, influence of oxygen, chloride and hydrogen ions: Tiumensk region, Tiumensk oblast

Hydrogen ion concentration
Spironucleus dubius, faecal cysts, resistance to physical and chemical factors tested, data may be useful for control of infection in rodents and for cryopreservation of parasite

Hydrogen ion concentration
Ascaridia galli, eggs cultured in acid medium, neutralization of culture medium prior to experimental infection in chickens increased infectivity and establishment of larvae in host

Hydrogen ion concentration
Eimeria spp., effects of coccidiosis on digestive capacity (amylase) of broiler chickens, changes in pancreatic, luminal, and surface-bound amylolytic activity, reduction in amylolytic activity as pH went below 5.0

Hydrogen ion concentration
Africana bufonis, in vitro survival with different pH values and at different temperatures

Hydrogen ion concentration
Haemonchus contortus chemically terminated or concurrent with Nematodirus battus in lambs lowered reproductive capacity and inhibited development of N. battus, results consistent with density-dependent physico-pharmacological mechanism of nematocidal control involving changes in host alimentary physiology (abomasal pH and Na+ concentration)

Hydrogen ion concentration
Schistosoma mansoni miracidia, effect of sugars, fatty acids, amino acids, and snail excretion products on activity, some effects concentration dependent and pH dependent; possible role for chemoklinokinetic behavior patterns in miracidial host location

Hydrogen ion concentration
Nettrick, D. F.; Budziakowski, M. E.; and Podesta, R. B., 1979, Canad. J. Physiol. and Pharmacol., v. 57 (8), 882-886
Moniliformis dubius, net fluxes of electrolytes in infected rat intestine

Hydrogen ion concentration
Michel, R.; and Hohmann, R., 1979, Ztschr. Parasitenk., v. 60 (2), 125-133
Entamoeba histolytica, attachment to glass surfaces at different temperatures and pH values and in presence of cytochalaasin B, colchicine, and vinblastine

Hydrogen ion concentration
Moncol, D. J.; and Triantaphyllou, A. C., 1978, J. Parasitol., v. 64 (2), 220-225
Strongyloides ransomi, factors influencing sex expression and developmental pattern of progeny of parasitic females: appearance of males attributed to effect of host immunity, physiological age of parasitic females, or both, sex determined prior to hatching; cultural conditions (pH, culture substrate) influenced direction of development of female rhabditoid larvae

Hydrogen ion concentration
Nijhout, M. M.; and Carter, R., 1978, Parasitol., v. 76 (1), 59-53
Plasmodium gallinaceum, gamete development, quantification of gamete development, changes in pH and PO2, during gametogenesis, suppression and recovery of exflagellation, bicarbonate requirement for emergence and exflagellation, regulation of gametogenesis by pH

Hydrogen ion concentration
Philothalmus spp., longevity and hatchability of miracidia, effects of salinity, pH, and temperature
SUBJECT HEADINGS

Hydrogen ion concentration
Ancylostoma tubaeforme, free-living phase, roles of temperature, pH, salinity, and lipid content in development

Hydrogen ion concentration
Nwosu, A. B. C., 1979, J. Helminth., v. 53 (3), 223-228
Ancylostoma tubaeforme, 3rd stage infective larvae, relationship between neutral lipid depletion and longevity/survival, effect of various environmental stresses (temperature, pH, anaerobiosis)

Hydrogen ion concentration
Brøndborg Christensen, N.; Nansen, P.; and Frandsen, P., 1978, J. Helminth., v. 52 (1), 61-67
Fasciola hepatica, host-finding capacity of miracidia in relation to time, number of miracidia per snail (Lymnaea trunculata), and several physico-chemical environmental factors (light/dark, water volume, pH, turbidity, salinity)

Hydrogen ion concentration
Romanomermis culicivorax, effect of pH on infectivity to Culex pipiens quinquefasciatus

Hydrogen ion concentration
Romanomermis culicivorax, modified rearing procedures, pH change

Hydrogen ion concentration
Romanomermis sp., tolerance of preparasitic nemas and adults to different pH and salinity, laboratory and field trials, limited utility as biological agent in polluted water

Hydrogen ion concentration
Strongyloides stercoralis, life cycle, larval survival and development under different conditions of temperature, humidity, and pH in soil, water, feces, hogwash, and cow dung, potential for transmission under climatic conditions of Poland

Hydrogen ion concentration
Srivastava, M.; and Gupta, S. P., 1977, Ztschr. Parasitenk., v. 52 (1), 61-68
Isoparochus hypselobagri adults, in vitro survival in various salt solutions and with addition of various sugars; carbohydrates absorbed through cuticle, pH 9 optimum

Hydrogen ion concentration
Swift, B. L.; and Paunsel, R. J., 1978, Theriogenology, v. 10 (5), 395-403
Anaplasma marginale, heifers in third trimester of gestation (exper.), fetus and dam arterial blood gases and pH measured, death of fetus following progressive parasitic anemia in dam is attributed to fetal anoxia

Hygiene. See Sanitation and hygiene.

Hyperparasitism
Nosema eurytremae, pathogenicity to Fasciola hepatica in Lymmaea trunculata

Hyperparasitism
Ceron, C. R.; et al., 1979, J. Protozool., v. 26 (3), 479-483
Trypanosoma cruzi, Crithidia deanei, apysymbiotic C. deanei, purine metabolism

Hyperparasitism
Rhipicephalus sanguineus, naturally parasitized by small chalcid wasp (Hunterellus hookeri): Petaling Jaya, Peninsula Malaysia

Hyperparasitism
Schneideria schneiderae in Trichosa pubescens (exper.), entry into and development in cells of intestinal caecum, host cell-symbiont interrelations, metabolic exchanges, symbiotic bacteria in cytoplasm of Schneideria, ultrastructural study

Hyperparasitism
Romanomermis culicivorax, control of fungus hyperparasitic in nematode, problem in mass raising for mosquito biological control, fungicides evaluated

Hyperparasitism
Mytilicola intestinalis from Mytilus edulis, female gonad, ultrastructural study, seminal cells during oogenesis; protozoan parasite in germinal cells

Hyperparasitism
Various genera and species of Caryophyllidae, apparent absence of C-viruslike particles which are found in Pseudophyllidea

Hyperparasitism
Eva, A.; et al., 1979, J. Protozool., v. 26 (2), 249-252
Trichomonas vaginalis, resistance to infection by Mengo virus
Hyperparasitism
Higby, C. C.; et al., 1979, Parasitology, v. 78 (2), 155-170
Nosema eurytremae derived from trematode larvae, propagation in abnormal (insect) hosts and in tissue culture

Hyperparasitism
Ide, G. S.; and Mahunka, S., 1978, Rovartani Koziem. (Folia Entom. Hungar.), n.s., v. 31 (1), 47-49
Haematobia irritans as host of Ameraonoesus hematobii sp. n.: Gainesville, Florida

Hyperparasitism
Neoaplectana carpopcapsae, development and reproduction in healthy and virus-infected Pseudaelia unipuncta; confirmation of presence of virus in intestine of nematodes, possibly useful in pest-management systems

Hyperparasitism
Krylov, M. V.; Kostenko, L. A.; and Snigirevskaya, E. S., 1978, Parazitologiya, Leningrad, v. 7 (6), 481-484
Nuttalilla musculi, trophozoites, merozoites, fine structure; bacteria-like bodies often found in cytoplasm

Hyperparasitism
nematodes of family Allantonematidae causing parasitic castration in fleas: southwest Europe

Hyperparasitism
Ascaris suum, entry of 4 species of bacteria into parasite egg before shell formation

Hyperparasitism
Cyclocotyla bellones, parasite of Meinertia oestroides in Boops boops (caviduc bucal): costa de Granada (Mar de Alboran), Espana

Hyperparasitism
Gregarina garnhami, bacteria-like structures in endoplasm, light and electron microscopy

Hyperparasitism
Mattern, Kozlem., 1975, Vestnik Derm. i Venerol. (4), 16-21
Trichomonas vaginalis, survival of gonococci within phagosomes of parasite suggests T. vaginalis as possible reservoir for infections; various therapeutic trials used to treat mixed infections

Hyperparasitism
Ovchinnikov, N. M.; et al., 1978, Vestnik Dermat. i Venerol. (4), 16-21
Trichomonas vaginalis, survival of gonococci within phagosomes of parasite suggests T. vaginalis as possible reservoir for infections; various therapeutic trials used to treat mixed infections

Hyperparasitism
Nosema spp., experimental infections in Lymnaea rubiginosa, Fasciola gigantica, Echinostoma audyi, and Tracheophillus sp.

Hyperparasitism
microsporidian infection (tentatively Pleistophora) reported in Liza ramada in fibroblasts of metacercarial capsule of Heterophyes heterophyes, infection of metacercarial cyst resulted in hypertrophy of cyst wall and degeneration and eventual death of encapsulated metacercaria: Bardawil Lagoon, Mediterranean coast of Sinai Peninsula

Hyperparasitism
ectoparasites of fish, particularly Monoegenae, critical evaluation of intrinsic and extrinsic factors responsible for niche restriction

Hyperparasitism
Naegleria amoebae contain virus-like particles and an unassociated infectious agent, possible relationship to pathogenicity, review

Hyperparasitism
Shigina, N. G.; and Grobov, O. F., 1972, Parazitologiya, Leningrad, v. 6 (5), 469-475
Nosema diplostomi sp. n., hyperparasite of Diplostomum metacercariae found in eyes of fish: Moskovsk oblast

Hyperparasitism
Romanomermis culicivorax parasitized by Catenaria anguilliculae, disease controlled by rearing nematodes in water adjusted to a pH of 4.5
Hyperparasitism
Paragyroductylus superbus n. g., n. sp., unusual organ function, evolutionary implications; presence of Cercomonas sp. as symbiont in intestine

Hyperparasitism
Nosema (including n. spp.) in trematodes: USSR

Hyperparasitism
Herpetomonas sp. infections in laboratory-reared Aedes aegypti and A. albopictus (Malphighian tubules of both), 30 to 40% of the flagellates contained intracytoplasmic rod-shaped structures strongly resembling bacteria: Institute for Medical Research, Kuala Lumpur, Malaysia

Hyperparasitism
Giardia muris found attached to acetabular tegument of Mathevotaenia symmetrica and in small intestine of Mus musculus, paraneoplastic association, probably accidental and probably occurs when heavy infections of Giardia are present in mouse intestine

Hyperparasitism
Larval filariae, possibly Litomosa sp. in Macronyssoides kochi (anterior part of idiosoma), parasitic on Artibeus jamaicensis: 18 km N. of Valera, Trujillo, Venezuela

Hypersensitivity, Delayed. See Immunity, Cell-mediated.

Hypersensitivity, Immediate. See Immunity, Allergy.

Hypobiosis. See Development.
Immunity

Aalund, O., 1972, Immun. Animal Parasites, 1-31 humoral immune response and immunoglobulins of ruminants and swine, review

Immunity

Agosin, M.; and Naquira, C., 1978, Comp. Biochem. and Physiol., v. 60B (2), 183-187 Taenia crassiceps, mRNA isolated from parasite polysomes directs synthesis of proteins in cell-free heterologous systems which are precipitable by antisera against parasite proteins

Immunity

Aikawa, M.; et al., 1979, J. Protozool., v. 26 (2), 273-279 Plasmodium spp., sporozoites before and after incubation in immune serum, freeze-fracture study, antibody-induced changes of pellicle membrane

Immunity

Allik, N.; et al., 1979, J. Protozool., v. 26 (2), 273-279 Plasmodium spp., sporozoites before and after incubation in immune serum, freeze-fracture study, antibody-induced changes of pellicle membrane

Immunity

Alitken, N. M.; et al., 1979, Research Vet. Sc., v. 27 (3), 306-312 Fasciola hepatica-infected and non-infected cattle, immune responses to Salmonella dublin, Brucella abortus, and ovalbumin

Immunity

Akhane, H., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (6), 347-352 Fasciola sp., rabbits, acute and chronic phases of infection, Ouchterlony and complement fixation titers

Immunity

Albright, J. W.; and Albright, J. F., 1978, Infect. and Immun., v. 22 (2), 343-349 Trypanosoma musculi, in vitro growth in cultures of murine spleen cells, analysis of requirement for supportive spleen cells, demonstration of utility of this culture system for analysis of host immune responses against the trypanosome

Immunity

Alexander, J.; and Phillips, R. S., 1978, Exper. Parasitol., v. 44 (1), 136-142 Leishmania mexicana, L. tropica major, lesion growth in mice was markedly inhibited by concurrent Trypanosoma brucei infections, possible mechanisms, may or may not have immunological basis

Immunity

Ali-Khan, Z., 1978, Immunology, v. 34 (5), 831-839 Echinococcus multilocularis sibiricensis, C57/1J mice infected with 20 or 100 cysts, pathology of spleen, lymph nodes, and thymus at 2, 4, 8, and 12 weeks postinfection, implications for immunological status

Immunity

Ali-Khan, Z., 1979, Ztschr. Parasitenk., v. 59 (3), 259-265 Echinococcus multilocularis, mice, potentiated humoral response to sheep red blood cells at 8 and 12 weeks post-infection

Immunity

Allen, J. R.; Khalili, H. M.; and Graham, J. E., 1979, Immunology, v. 38 (3), 467-472 Dermacentor andersoni, guinea pigs undergoing primary and secondary infestations, immuno-fluorescent localization of tick salivary gland antigens, IgG, and complement in skin

Immunity


Immunity


Immunity

Altaif, K. I.; and Dargie, J. D., 1978, Parasitology, v. 77 (2), 161-175 Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysiological response of sheep to moderate primary infection, concluded that genetic resistance operated primarily against worm establishment and was probably controlled by the immune response elicited, in heavy infections there was no correlation between worm establishment and haemoglobin type

Immunity

Altaif, K. I.; and Dargie, J. D., 1978, Parasitology, v. 77 (2), 177-187 Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysiological response of sheep to re-infection (either after primary infection was terminated with anthelmintic or challenge super-imposed on existing adult infection), patterns of worm establishment and disease indicated that genetic factors operated in determining resistance, breed but not haemoglobin type appeared to be of some significance in 'self-cure'

Immunity

Immunity
Plasmodium berghei, ability of hyperimmune serum to neutralize infective inoculum, isolation and characterization of protective antibody, antibody combined mainly with free parasites and not with infected RBC

Immunity
Taenia crassiceps, rats, differences in susceptibility to infection and development of immunocompetence in relation to host strain and age

Immunity
Andreassen, J.; Hindsbo, O.; and Ruitenberg, E. J., 1978, Immunology, v. 34 (1), 105-113
Hymenolepis diminuta in congenitally athymic (nude) mice vs. their thymus-bearing littermates, worm kinetics and intestinal histopathology, passive immunization showed no conclusive role of serum antibodies in host protection, host protection was dependent on number of worms and worms could be expelled in absence of functional T-cells

Immunity
Mchinia nelsoni in Cossostrea virginica (susceptible imports, native oysters and progeny), seasonal patterns of morbidity and mortality, survival of early generations in MSX-prevalent areas suggests that acquired resistance is involved, hypotheses on origin of infection and life cycle of pathogen: Virginia waters

Immunity
Human intestinal schistosomiasis mansoni before and after treatment with aminonitrothiazole, immunoglobulin levels, immediate and delayed cutaneous hypersensitivity

Immunity
Anwar, A. R. E.; Smithers, S. R.; and Bay, A. B., 1979, J. Immunol., v. 122 (2), 628-631
Schistosoma mansoni, killing of schistosomula coated with antibody and/or complement by human leukocytes in vitro, requirement for complement in preferential killing by eosinophils

Immunity
Echinococcus granulosus, mice with secondary hydatidosis, time-related development of complement-fixing and hemagglutinating antibodies, correlation with cyst development

Immunity
Echinococcus granulosus, mice with secondary hydatidosis, cell-mediated immune response in relation to humoral immune response and cyst development, passive protection with spleen cells

Immunity
Physiology of fish parasites, review: chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition (role of gut, role of tegument); metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)

Immunity
Toxoplasma gondii strains isolated from rabbits and fetuses of ewes which miscarried, comparative studies of virulence and immunogenicity, role in etiology of abortion

Immunity
Arredondo, B.; and Perez, H., 1979, Infect. and Immunn., v. 25 (1), 16-22
Leishmania mexicana, mice, chronic infection, alterations of immune response, results suggest role for suppressor cells in pathogenesis of diffuse cutaneous leishmaniasis

Immunity
Askenase, P. W., 1979, J. Allergy and Clin. Immunol., v. 64 (2), 79-80
Imune recruitment of hasphol to cutaneous hasphol hypersensitivity (CBH) reactions, regulation of tissue hasphol, anaphylactic function of hasphol at CBH reactions, clinical consequences of hasphol accumulation at CBH reactions, role of mast cells in delayed-type hypersensitivity, review

Immunity
Au, A. C. S.; and Ko, R. C., 1979, Ztschr. Parasitenk., v. 59 (2), 161-168
Trichinella spiralis, Angiostrongylus cantonensis, cross-resistance in laboratory rats
Immunity

Baird, C. R., 1979, J. Parasitol., v. 65 (4), 639-644
Cuterebra tenebrosa, incidence in Neotoma cinerea from April to November of 1970 and 1971, experimental infections attempted in captive rodents and rabbits, dosage level and effect on hosts, larval migration, site of larval development, acquired immunity, egg viability

Immunity

Eimeria tenella, chickens (exper.), decoquinate vs. amprolium used prophylactically vs. therapeutically, anticoccidial activity against different levels of infection, effect on development of immunity

Immunity

Trypanosoma dionisii, effect of various agents (including temperature, complement, trypsin, cytochalasin B and immune plasma) on attachment and entry to mouse peritoneal macrophages in vitro, and subsequent morphogenesis; attachment occurred to non-specific receptors, entry by phagocytosis

Immunity

Nippostrongylus brasiliensis, rats, Nemato- dirus battus, lambs, changes in parasite adenylate energy charge during course of infection, results indicate that immune response of host may affect energy status of these nematodes and this could help to explain their subsequent expulsion from the immune host

Immunity

Schistosomiasis, use of Macdonald's model to establish a policy for controlling human infection, based on human immunity and proportion of infected vector snails in a given area

Immunity

Bass, D. A.; and Szejda, P., 1979, J. Clin. Invest., v. 64 (5), 1415-1422
Trichinella spiralis, killing of newborn larvae by human granulocytes in vitro: Larvicidal abilities of eosinophils and neutrophils, opsonin requirements, kinetics of killing, effect of inhibitors, killing ability of leukocytes from patient with chronic granulomatous disease

Immunity

Bassily, S.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (11-12), 248-251
Schistosomiasis, human decompensated hepatosplenic, association with chronic hepatitis B antigenemia

Immunity

Babesia microti, short-term in vitro culture in hamster erythrocytes, inhibitory effect of immune serum on growth in vitro

Immunity

Secretory immunoglobulins and local immunity, colloquium presentation

Immunity

Angiostrongylus cantonensis, parasite acetylcholinesterase levels during development and migration in rats, relationship to host immunological response
SUBJECT HEADINGS

Immunity
Befus, A. D.; and Bienenstock, J., 1979, Immunology, v. 38 (1), 95-101
Nippostrongylus brasiliensis-infected rats, immunologically-mediated intestinal mastocytosis

Immunity
Befus, A. D.; Johnston, N.; and Bienenstock, J., 1979, Exper. Parasitol., v. 48 (1), 1-8
Nippostrongylus brasiliensis-infected rats, mast cells and histamine levels in tissues

Immunity
Nematospiroides dubius, expulsion from intestine of mice treated with immune serum

Immunity
Trichinella spiralis, delayed expulsion in mice concurrently infected with Nematospiroides dubius

Immunity
Bell, R. G.; and McGregor, D. D., 1979, Exper. Parasitol., v. 48 (1), 42-50
Trichinella spiralis, rats exposed to abbreviated enteral infection, induction and expression of rapid expulsion response to challenge infection

Immunity
Bell, R. G.; and McGregor, D. D., 1979, Exper. Parasitol., v. 47 (2), 140-157
Trichinella spiralis, role of different life cycle phases in induction, maintenance, and expression of rapid expulsion in rats

Immunity
Belozorov, E. S.; et al., 1978, Zhurnal Mikrobiol., Epidemiol. i Immunobiol. (2), 78-80
Opisthorchiasis, patients, indices of cellular and humoral immunity in chronic cases

Immunity
Babesia microti, 1 human-derived and 2 rodent-derived isolates from Long Island, immunological relationships

Immunity
Ben-Ismail, R.; Carme, B.; and Gentilini, M., 1979, Path. Biol., v. 27 (8), 487-489
Fasciola hepatica, F. gigantica, Echinococcus granulosus, detection of blood group antigen PI activity in extracts, not detected in T[anenia] saginata extract

Immunity
Bennet, E. M.; Behn, C.; and Bryant, C., 1978, Internat. J. Parasitol., v. 8 (6), 463-466
Nematosioides corti, mice (infected, injected with dead larvae previous to infection, or irradiated), effects of mebendazole and levamisole alone or together on tetrathyridia, concluded that anthelmintic efficacy of mebendazole depends on its anthelmintic activity supplemented by host's immune response and that levamisole stimulates the latter

Immunity
Bennett, L. J., 1978, J. Parasitol., v. 64 (1), 182-185
Australian spargana, mice, immunological responses (tissue reactions, precipitating antibodies, anaphylactic reactions) not found to be weak or abnormal

Immunity
Bennett, L. J., 1978, J. Parasitol., v. 64 (4), 756-759
Spirometra mansoni, immunological responses of Bufo marinus to Australian spargana, comparison with reactions of mice

Immunity
Toxoplasma gondii, 1-, 8-, and 10-day-old piglets (exper.), serological findings, tissue cysts, reactive changes in lymphoid tissue, incidence and severity of inflammatory lesions, organs affected; T. gondii more virulent in younger piglets due to delayed maturation of host lymphoid system during first week of life

Immunity
Ostertagia circumcincta, Haemonchus contortus, Chabertia ovina, sheep, immunological response, preparation of UV vaccine, final technical report 1973-1978

Immunity
Bhaibulaya, M.; and Indra-Ngarm, S., 1979, Internat. J. Parasitol., v. 9 (4), 321-322
Capillaria philippinensis, Amaurornis phoenicurus and Ardeola bacchus as experimental definitive hosts, prepatent periods, occurrence of autoinfection, development of protective immunity

Immunity
Ancylostoma caninum, mice, different groups infected with various single or repeated doses of larvae, larval recoveries from various organs and muscle regions of animals belonging to immunized and uninmunized groups
Immunity
Bhopale, M. K.; and Kamath, V. R., 1979, J. Helminth., v. 53 (3), 252-254
Ancylostoma caninum, mice, single and repeated infections, haemagglutination test, evidence of presence of antibodies in serum and intestinal tissue

Immunity
Schistosoma mansoni, mice, failure of primary infections with cercariae of I sex to induce same degree of resistance to re-infection as bisexual primary infections

Immunity
Toxocara canis, humans, endophthalmitis, enzyme-linked immunosorbent assay revealed toxocara-specific antibody in serum and vitreous humor

Immunity
Schistosoma mansoni, acquisition of phospholipid antigens on surface of schistosomula

Immunity
Plasmodium berghei-infected mice, impaired traffic of lymphocytes as possible cause of immunosuppression in malaria, symposium presentation

Immunity
Blagburn, B. L.; Chobotar, B.; and Smith, R. T., 1979, Ztschr. Parasitenk., v. 59 (1), 1-14
Eimeria ferrisi in Mus musculus, clinical and histologic study of actively induced resistance

Immunity
Babesia divergens, cattle, data for host age and antibody incidence and titre analyzed using 3 epidemiological models to estimate rates of gain and loss of antibody: Scotland

Immunity
mechanisms by which parasites escape immune surveillance, review

Immunity
Blum, K.; and Cioli, D., 1978, European J. Immunol., v. 8 (1), 52-56
Schistosoma mansoni in Biozzi high (Ab/H) and low (Ab/L) responder mice, Ab/H mice produce higher levels of humoral antibodies but are more susceptible to infection, higher level of specific antibodies in Ab/H mice is not accompanied by higher capacity to develop immune resistance to second infection, findings suggest that humoral antibodies per se may not play critical role in schistosome immunity and call attention to possible importance of macrophages in determining results observed

Immunity
Bogucki, M. S.; and Seed, J. R., 1978, J. Reticuloendothel. Soc., v. 23 (2), 89-101
Trypanosoma brucei gambiense, parasite-bound heterospecific antibody, immunoglobulin class specificity, location and orientation, may be related to successful propagation of trypanosomes in immunocompetent hosts

Immunity
Fasciola hepatica, rabbits, repeated infections terminated by rafaxamide, host response in terms of resistance, serum glutamic dehydrogenase assays, eosinophil counts, and post-mortem appearance of liver

Immunity
Plasmodium berghei, mice, treatment with carbon particles in attempt to block macrophages, alterations in immune response, immunopathology, and histology patterns

Immunity
Boonpucknavg, V.; Boonpucknavig, S.; and Bhamarapravati, N., 1979, Arch. Path. and Lab. Med., v. 103 (11), 567-572
Plasmodium berghei, infected mice treated with chloroquine phosphate, focal glomerulonephritis in hyperimmune state, clinical, immunopathologic, and histopathologic findings

Immunity
Toxoplasma gondii, in vitro model for quantitation of multiplication in monocytes from normal and immune human subjects, findings show that capacity to inhibit growth of toxoplasmas is induced in monocytes by a product released after exposure of T lymphocytes from immune subjects to toxoplasma antigen

Immunity
Trichinella spiralis, rabbits (exper.), dynamics of immunocytoadherence test, value in diagnostic and prognostic evaluation of trichinellosis

Immunity
Trichinella spiralis, human, acute phase, IgG, IgA, and IgM levels, percentages of T and B lymphocytes

Immunity
Hydroderma-infected or uninfected calves, treatment with fenthion or trichlorfon, blood histamine levels, circulating antibody titers to Hydroderma lineatum antigen in infected calves; blood histamine levels in guinea pigs after injection of ground-up Hydroderma lineatum larvae or application of fenthion
Immunity

-
Absence of circumsporozoite antibodies (to Plasmodium falciparum) in areas of hyperendemic malaria in The Gambia, appears that antibodies to sporozoites of human malaria parasites are not generated in nature.

Immunity

Bray, R. S., 1978, J. Parasitol., v. 64 (3), 410
-
Absence of circumsporozoite antibodies to Plasmodium falciparum in areas of hyperendemic malaria in The Gambia, appears that antibodies to sporozoites of human malaria parasites are not generated in nature.

Immunity

Brouillette, W. H.; Coleman, R. M.; and Rencricca, R., 1979, Immunology, v. 34 (1), 77-86
-
Plasmodium knowlesi, Macaca mulatta, antibody-mediated mechanisms associated with sterilizing immunity induced by merozoite vaccination, role of Freund's complete adjuvant.

Immunity

-
Encephalitozoon cuniculi, existence in specific-pathogen-free rabbit colony, small-sized samples failed to reveal presence of infection with low prevalence, organism probably present in original stock of unit, possibility of establishing Encephalitozoon-free colony by culling all positive reactors using India ink immunoreaction test, incidence (familial, sexual, and age-related) and possible routes of transmission.

Immunity

Bywater, J. E.; and Kellett, B. S., 1979, Infect. and Immun., v. 21 (2), 360-364
-
Encephalitozoon cuniculi, existence in specific-pathogen-free rabbit colony, small-sized samples failed to reveal presence of infection with low prevalence, organism probably present in original stock of unit, possibility of establishing Encephalitozoon-free colony by culling all positive reactors using India ink immunoreaction test, incidence (familial, sexual, and age-related) and possible routes of transmission.

Immunity

-
Malaria, factors influencing outcome of infection, antigenic specificity of and protective immunity to asexual erythrocytic parasites, symposium presentation.

Immunity

-
Naegeleia fowleri, cytopathogenicity in mouse embryo-cell cultures, inhibition by amoebaspecific antiserum and by cytochalasin B, concluded that cytopathogenicity was due to physical rather than biochemical or cytotoxic mechanisms and was associated with phagocytic activity of trophozoites.

Immunity

Burgess, D. E.; and Hanson, W. L., 1979, Infect. and Immun., v. 25 (3), 838-843
-
Trypanosoma cruzi, mice, adoptive transfer of protection with lymphocytes and macrophages.

Immunity

-
Plasmodium knowlesi, Macaca mulatta, antibody-mediated mechanisms associated with sterilizing immunity induced by merozoite vaccination, role of Freund's complete adjuvant.

Immunity

Brossard, M.; and Girardin, P., 1979, Experimental, v. 35 (10), 1390-1397
-
Ixodes ricinus, rabbits, passive transfer of resistance with immune serum, effect on feeding and egg laying, IgG and homocytotrophic specific antibodies of donors and recipients, immediate skin sensitivity of recipients.

Immunity

-
Malaria, immunity, review.

Immunity

-
Malaria, factors influencing outcome of infection, antigenic specificity of and protective immunity to asexual erythrocytic parasites, symposium presentation.

Immunity

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Naegeleia fowleri, cytopathogenicity in mouse embryo-cell cultures, inhibition by amoeba-specific antiserum and by cytochalasin B, concluded that cytopathogenicity was due to physical rather than biochemical or cytotoxic mechanisms and was associated with phagocytic activity of trophozoites.

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Malaria, immunity, review.

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Malaria, immunity, review.

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Ixodes ricinus, rabbits, passive transfer of resistance with immune serum, effect on feeding and egg laying, IgG and homocytotrophic specific antibodies of donors and recipients, immediate skin sensitivity of recipients.

Immunity

-
Malaria, immunity, review.
Immunity
Fasciola hepatica, rats, functional role for gut in development of age resistance demonstrated by comparing number and development of flukes recovered following oral vs. intraperitoneal administration of encysted metacercariae

Immunity
Schistosoma mansoni, differences in susceptibility to infection related to human blood types

Immunity
Camus, D.; et al., 1978, Pharmacol. Immunoreg., 253-265
[Schistosoma] mansoni, mice, rats, role of immunomodulating substances from parasites in regulation of immune response

Immunity
non-specific binding of 5 types of particle (including Leishmania) to rat peritoneal cells, effect of various physical and chemical factors, lymphocytes as well as macrophages were able to bind Leishmania

Immunity
effectors mechanisms in immunity to schistosomes, comparison of 2 antibody-dependent cell-mediated cytotoxicity models (IgG-eosinophil model vs. IgE-macrophage model), colloquium presentation

Immunity
Capron, M.; et al., 1978, European J. Immunol., v. 8 (2), 127-133
Schistosoma mansoni, rats, eosinophil-dependent cytotoxicity, involvement of IgG2a antibody and role of mast cells, these and previous observations suggest possible participation of anaphylactic antibodies in immunity to schistosomes in the rat

Immunity
Capron, M.; et al., 1978, J. Immunol., v. 121 (6), 2518-2525
Schistosoma mansoni schistosomula, eosinophil-dependent cytotoxicity mechanism requires signal provided by soluble mast cell mediators in addition to antibody

Immunity
Capron, M.; Torpier, G.; and Capron, A., 1979, J. Immunol., v. 123 (5), 2220-2230
Schistosoma mansoni, in vitro killing of schistosomula by eosinophils from infected rats, cytophilic antibodies or immune complexes responsible for either activation or blockade of eosinophil populations

Immunity
Strongyloides ratti, rats, standardized techniques developed for maintenance of laboratory infections, strong active acquired immunity demonstrated

Immunity
Carter, R.; Omdad, R. W.; and Green, I., 1979, Exp. Parasitol., v. 47 (2), 104-208
Plasmodium gallinaceum, chickens, elaboration of antigamete antibodies during immunization and infection and their relationship to fertilization of malaria gametes in vitro and to transmission-blocking immunity in vivo, comparison with rhesus monkeys immunized with P. knowlesi gametes

Immunity
Dictyocaulus filaria L1 larvae, sensitized with immune lamb serum, adherence reaction with normal guinea pig peritoneal macrophages; reaction is positive, complement independent and inversely proportional to antisera dilution, induced by an immunoglobulin combining with cuticle of parasite

Immunity
Trichinella spiralis, rats, intestinal fluid movement in response to primary or secondary infection, relationship to prevention of worm establishment

Immunity
trichinosis, immunity and acquired resistance, review

Immunity
Schistosoma mansoni, haemagglutinating activity of membrane-associated 'agglutinin' is mainly due to lipids, possible molecular role of these structural membrane components in evasion of host immunological recognition and/or response

Immunity
Nematospirodes dubius, peritoneal exudate cells from immune mice are able in vitro to damage 3rd stage infective larvae as measured by loss in infectivity, lymphocytes from immune mice are also able to damage larvae, suggestion is made that 'activated' macrophages may play important role in immunity to this infection

Immunity
Leishmaniasis, identification of 68 strains from Aethiopian zoogeographical region on basis of biochemical and serological taxonomy (nuclear and kinetoplast DNA buoyant density, excreted factor serotypes, enzyme variant types), epidemiological implications
Immunity
Chronic parasitic infections in mice, IgG hyperimmunoglobulinaemia, daily rate and location of production of IgG, T cell dependence of response

Immunity
Mesocostoides corti, Nematospiroides dubius, mice, IgG hyperimmunoglobulinaemia, evidence that response reflects chronicity of antigen exposure

Immunity
Chapman, H. D., 1978, Avian Path., v. 7 (2), 269-277
Eimeria maxima, E. brunetti, E. tenella, chickens, effect of monensin on development of immunity acquired by repeated low-level infections

Immunity
Immunological status of women with regard to the Torch complex (toxoplasmosis, rubella, cytomegalovirus and herpes) surveyed, need for continued serologic surveillance during pregnancy

Immunity
Therapeutic potential of immunoregulating synthetic compounds, enhancement of non-specific and specific immunity against parasitic infections by administration of various adjuvants, biological activity of synthetic immunoregulating molecules, colloquium presentation

Immunity
Cheng, T. C.; et al., 1978, J. Invert. Path., v. 31 (1), 57-62
Echinostoma lindoense-infected Biomphalaria glabrata, elevation of aminopeptidase activity in hemocytes and serum, possible that this lysosomal enzyme may degrade surface proteins of secondarily introduced parasites and thus act as form of acquired humoral immunity

Immunity
Chensue, S. W.; and Boros, D. L., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 201-209
Schistosoma mansoni, mice, population dynamics of T and B lymphocytes in lymphoid organs, peripheral blood, and hepatic granulomas, appearance of B cells within granulomas may indicate that they play role in modulating granulomatous hypersensitivity

Immunity
Cherian, P. V.; and Dusanic, D. G., 1978, Exper. Parasitol., v. 44 (1), 14-25
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Immunity
Schistosoma mansoni, onset of rejection in laboratory rats is dependent on parasite age and independent of length of contact with host, possible immune and nonimmune mechanisms

Immunity
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Immunity
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Immunity
Immune effector mechanisms, review

Immunity
Mechanisms of parasite survival in immune hosts, review

Immunity
Malaria, mechanisms of acquired immunity to erythrocytic stage, symposium presentation

Immunity
Immunity to malaria with emphasis on vaccination, review lecture

Immunity
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Immunity
Echinococcus granulosus, mice and Meriones unguiculatus, effect of egg dose, host age, and host sex on susceptibility to primary infection, increased resistance with increased age but no differences with sex

Immunity
Toxoplasma gondii infection or Corynebacterium parvum treatment, influence on incidence of tumor metastasis to mouse brain

Immunity
Toxoplasma gondii, Trichinella spiralis, concurrent infections in mice, intestinal worm burdens, muscle worm burdens, worm fecundity, resistance to newborn larvae, small bowel pathology, muscle inflammation, eosinophil levels, numbers of toxoplasma cysts in brain

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Immunity
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Immunity
Trichostrongylus colubriformis, sheep, immunoglobulin and albumin concentrations and flow of intestinal lymph, anti-worm antibody titres in intestinal lymph and serum, observations indicate occurrence of local antibody response in intestine of immune sheep

Immunity
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Immunity
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Immunity
Schistosoma mansoni, mice receiving unisexual primary infection did not develop detectable resistance to re-infection, mice receiving bisexual primary infection developed high degree of resistance

Immunity
Schistosoma mansoni, mice, resistance to secondary infection, evidence for correlation between egg deposition and worm elimination

Immunity
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antigen, glomerular mesangial deposits of
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Immunity

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malaria, experimental approaches to study of
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Immunity

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with irradiated larvae at weaning, results
do not support proposition that feedback
inhibition mediated by maternal antibody may
suppress response, however lambs segregated
into 'responders' and 'non-responders'
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acid cycle and involved antimycin A-sensitive
respiratory pathway, immune sera had no ef-
fect on oxygen uptake

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infections partially restored egg excretion
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Immunity
Schistosoma mansoni in T-cell deprived vs. normal mice, parasitology (worm burdens, tissue and fecal egg counts), host response (hematology, serum transaminase levels), ameliorating effect of administering homologous chronic infection serum or heterologous rabbit anti-S. mansoni egg antiserum, roles played by cell-mediated vs. humoral immune responses in reaction against schistosome egg products

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Fasciola hepatica, rats, 3-week-old initial infection results in high degree of immunity to subsequent challenge, this resistance could be detected within 48 h of challenge and was a true immunity and not an alteration in migratory behavior, eosinophils were prevalent in lamina propria of small intestine and increased markedly after challenge

Immunity
Trypanosoma spp., wildlife, prevalence determined by parasitological and/or serological techniques, correlations with high and low tsetse fly density areas (for buffalo and lechwe) and with host age (for buffalo): Northern Botswana

Immunity
Isospora ohiensis, dogs (epithelium of small intestine, cecum, and colon) (exper.), pathology in young pups, pathogenicity was greatest in newborn and suckling pups whereas older pups (40-384 days at first inoculation) acquired immunity within 1 week

Immunity
Toxoplasma gondii, cats (exper.), immunity, effects of host age and corticosteroid administration; excretion of T. gondii, Isospora felis, and I. rivolta oocysts from cats previously infected and challenged with all three coccidia

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Immunity
Theileria parva-infected bovine lymphoid cell culture line (C2), no specific parasite antigen detected on C2 cell surface, no detectable surface immunoglobulin or secretion of immunoglobulins into tissue culture medium, C2 cells found to share membrane antigen with normal calf thymus cells and to possess strong transplantation antigen, C2 cells can act as weak stimulators in mixed leucocyte reaction

Immunity
Nippostrongylus brasiliensis, rats (exper.), effect of iron and protein deficiency on acquired resistance to reinfection, results demonstrate that this deficiency profoundly alters host/helminth relationship and enhances parasite survival and propagation, suggested that anthelmintic programs be accompanied by nutritional supplementation

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Trypanosoma musculi, precipitin responses of infected mice to exoantigens and cellular antigens

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Immunity
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Immunity
Fasciola hepatica, immunologic observations on 5 persons with fascioliasis, higher antibody titters found during invasive phase than were found during biliary phase

Immunity
Leishmania donovani, excreted factor from promastigotes, physicochemical, immunological, and biological characterization

Immunity
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Immunity
Trypanosoma vivax, Zebu vs. Muturu cattle (exper.), differences in innate resistance, comparison of haematological, clinical, and serological responses

Immunity
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Immunity
Plasmodium berghei-infected mice, induction of inflammatory reactions with non-biodegradable, non-diffusible, and non-antigenic substances at site distant from site of pathogen proliferation or persistence, increased resistance to various pathogens including Schistosoma mansoni, fraction extracted from granuloma is responsible at least in part for this increased resistance

Immunity
Cellular basis of immune sensitization, review

Immunity
Trypanosoma lewisi, rats, method for assay of ablastin in serum, measurement of incorporation of \(^{3}H\)-TdR into T. lewisi DNA

Immunity
Trypanosoma lewisi, rats, importance of monocytic phagocytic system in elimination of parasites during course of infection, relative importance of liver and spleen in removal of parasites, importance of specific antibody in uptake of parasites by liver, production of specific antibody during course of infection, effect of antibody and complement on parasites, fate of trypanosomes within chambers planted into peritoneal cavities of normal and immune rats

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Immunity
Trypanosoma rhodesiense, antibody-dependent cytotoxicity against trypanosomes mediated through alternative complement pathway

Immunity
Plasmodium berghei-infected mice, cellular changes: differential counts of bone marrow, 3-day cultures of bone marrow, \(^{3}H\) thymidine uptake by splenocytes and bone marrow cells, interaction of adherent and nonadherent splenic and bone marrow cells, symposium presentation
Immunity

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Immunity

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Immunity

Trypanosoma gambiensis, mice, immunogenic (protective) activity of antigens prepared from nontreated and trypsin-pretreated living parasites, immune responses in mice immunized with subcellular components of parasites

Immunity

Entamoeba histolytica, cellular reactions to amoebic antigen in patients with amoebic liver abscess and intestinal amoebiasis

Immunity

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Immunity

immunology and regulation of cestode zoones, review

Immunity

immune response to tissue cestodes, review

Immunity

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Immunity
Trypanosoma lewisi, accumulation of antigen-specific host IgG as component of surface coat during course of infection in rat

Immunity
gastrointestinal nematodes, calves, winter survival of larvae on pasture more important than carrier calves as source of infection; calves surviving clinical disease are resistant to infection the following year: Maine

Immunity
Trypanosoma evansi, mice treated with suramin for patent infection developed partial and transient immunity against weak but not heavy challenge infection, poor grade immunity was ascribed to weakness of trypanosome antigen

Immunity
Plasmodium berghei berghei, erythrocytic forms inoculated into mouse embryos, development, reproduction, mice at birth had either no evidence of infection or had overwhelming parasitemia with extended period of parasite development

Immunity
Trypanosoma equiperdum, development in mouse embryos, no resistance by host animals, fatal infections in all

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Immunity
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Immunity
cellular regulation of immune responses, colloquium presentation

Immunity
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Immunity
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Entamoeba histolytica, serologic and cell-mediated immune responses of Mesocricetus auratus exposed to 2 parasite strains, indirect hemagglutination test, lymphocyte transformation, migration inhibition of macrophages, some evidence of immunosuppression

Immunity
Entamoeba histolytica, susceptibility of various strains of mice to liver inoculation, infections were obtained in 6 of 9 strains but no strain was consistently susceptible

Immunity
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Immunity
Plasmodium berghei, immunization of chloroquine-resistant rats against sporozoites by bites of infected mosquitoes: influence of number of exposures to infected mosquitoes on antibody titers and protection; influence of exposure to different numbers of infective mosquitoes on antibody production and protection; specificity of antiplasmodial antibodies; influence of passive transfer of sera from rats immune to sporozoites or to erythrocytic forms on development of sporozoites, symposium presentation

Immunity
Trichinella spiralis, T. pseudospiralis, mice (exper.), percent composition of T and B lymphocytes in peripheral blood

Immunity
Trypanosoma cruzi epimastigotes in diphagic medium, specific rabbit immune serum altered antibody mobility and morphology and inhibited growth

Immunity
Schistosoma mansoni, patients with hepatosplenic vs. intestinal disease, humoral immune responses, no evidence of alterations which might contribute to pathogenesis of hepatosplenic disease

Immunity
Babesia argentina, acute cattle infection, cryofibrinogen complex in plasma contained proteins from erythrocytes and parasites plus fibrinogen and related proteins; analysis made using rabbit antisera against fractions of complex
Immunity
immunology and tropical diseases, challenges and opportunities, WHO Special Programme for Research and Training in Tropical Diseases

Immunity
Ixodes holocyclus, association of toxin with salivary glands, increasing toxin content of salivary glands with length of time of feeding on mice, effect on toxin content of salivary glands of interruption to feeding, effect of passive immunization of mice on resistance of host to toxin and on toxin production, effect on toxin production of feeding on non-immune and immune bandicoots

Immunity
Fasciola hepatica, excretory/secretory products, toxicity to rat lymphoid splenic cells, reduction of immune adherence of peritoneal cells to flukes in vitro, postulated that F. hepatica produces substances which are toxic to its host's lymphocytes and that these substances may protect the parasite from its host's immune defenses

Immunity
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Immunity
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Nippostrongylus brasiliensis, sensitized rats challenged with varied larval doses, intestinal phospholipase activity, bone marrow eosinophilia, and worm burden

Immunity
Trichinella spiralis-infected swine, relation between intestinal phospholipase B activity and numbers of blood eosinophils

Immunity
Plasmodium berghei in inbred rats, macrophage-cytotoxic antibody specific for malarial antigens, identification and characterization, demonstration of role in protection, acts synergistically with opsonizing antibody

Immunity
summing-up of symposium on immunology and immunopathology of malaria

Immunity
Trypanosoma gambiense extract, mitogenic activity, possible role of mitogenic factor in pathogenesis of hypergammaglobulinemia of African trypanosomiasis

Immunity
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Immunity
Myxosoma cerebralis-infected Salmo gairdneri, detection of circulating antibodies with indirect fluorescent antibody test

Immunity
Trichinella spiralis, mice, BCG alters host-parasite relationship producing retention of adult worms in gut, reduction in severity of partial villous atrophy, and increased nonspecific resistance to systemic larval phase of parasite

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Immunity
Wuchereria bancrofti, dynamics of filariasis in village inhabitants, clinical, parasitological, immunological, and social aspects: village of Paraíso, Province of Catanduanes, Philippines

Immunity
Fasciola hepatica, rabbits, serological response, dynamics in relation to intensity and duration of infection and to superinfection (complement fixation, passive hemagglutination, gel precipitation, and immunoelectrophoresis with various antigens)
Immunity

Toxoplasma gondii, mice, reversal of effect of cyclophosphamide by passive immunization, data indicate that antibody plays important role in establishing infection-immunity (premunition) in this system

Immunity

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Trichinella spiralis, responses of spleen cells in mixed lymphocyte cultures (depressed) and to T-independent immunogen (enhanced) in vitro parallel alterations in immune responsiveness in vivo

Immunity

Hammerberg, B.; and Williams, J. F., 1978, J. Immunol., v. 120 (3), 1033-1038
Taenia taeniaeformis, factors present in cystic bladder fluid of metacestodes and released by parasites maintained in vitro are shown to interact nonimmunologically with the complement system in vitro and in vivo, possibility that local consumption of complement around metacestode in vivo could contribute to successful evasion of inflammation and immune rejection during infection

Immunity

Hammerberg, B.; and Williams, J. F., 1979, J. Immunol., v. 120 (3), 1039-1045
Taenia taeniaeformis, complement-fixing activity washed from surface of metacestodes and characterized physicochemically, active substance may be polysulfated proteoglycan, location at host-parasite interface may have significance in evasion of immune rejection

Immunity

Handman, E.; and Burgess, A. W., 1979, J. Immunol., v. 122 (3), 1134-1137
Leishmania tropica, uptake and killing by macrophages, stimulation by granulocyte-macrophage colony-stimulating factor

Immunity

Leishmania tropica, susceptibility in intact and nude mice of various genotypes and at level of macrophage in vitro, possible nature of immunological defect responsible for persistent disease in susceptible mouse strains

Immunity

Handman, E.; and Greenblatt, C. L., 1977, Ztschr. Parasitenk., v. 53 (2), 143-147
Leishmania enriettii in vitro grows well in guinea pig macrophages but fails to grow in mouse macrophages; medium containing excretory factors from L. enriettii culture (conditioned medium) promotes infection in mouse macrophages but similar medium from L. tropica does not; immune precipitation of medium by anti-Leishmania serum cancels infection-promoting effect; L. tropica infection of guinea pig macrophages enhanced by homologous medium

Immunity

Handman, E.; and Spira, D. T., 1977, Ztschr. Parasitenk., v. 53 (1), 75-81
Leishmania tropica system of prolonged culture of amastigotes in mouse macrophages, dynamics of division rate and macrophage infection; macrophages from immune mice inferior for culture

Immunity

Plasmodium berghei, IgM and IgG antischizont antibodies in mice immunized with irradiation-attenuated sporozoites, detection by indirect fluorescent antibody test, correlation with protection, some cross-reaction with blood stage antigens but test should still prove useful

Immunity

Haque, A.; et al., 1978, Parasitology, v. 76 (1), 61-75
Dipetalonema viteae, hamsters, suppression of microfilaria production by antiserum from infected animals, suppression or enhancement of microfilaria production by immunization with certain parasite extracts, implications for mechanism of latent (or occult) infections

Immunity

Entamoeba histolytica, human, prevalence, parasite-specific IgG and IgM, and total and parasite-specific IgE during 4-month wet season: The Gambia

Immunity

Hart, P. A., 1979, Lysosomes Applied Biol. and Therap., v. 6, 409-423
Phagosome-lysosome fusion in macrophages, possible role in intracellular fate of ingested microorganisms, review including some information on parasitic protozoa

Immunity

Entamoeba histolytica, evidence of autologous IgG reacting with amebic antibodies in human sera

Immunity

Hayes, T. J., 1978, J. Parasitol., v. 64 (2), 374-376
Fasciola hepatica, rats, protective immunity to reinfection is expressed by 48 hrs after challenge

Immunity

Trypanosoma musculi, immunosuppressive and mitogenic effects, possible relationship of mitogenesis to immunosuppression and non-specific antibody formation associated with infections
Immunity

Taenia pisiformis, rabbits, immunity to reinfection with larvae results from initial infection, may last for 12 months or more, and is not dependent on continued survival of initial infection

Immunity

Sacculina carcini-parasitised Carcinus mediterraneus, immunoochemical analysis of hemolymph confirms presence of protein fraction not observed in healthy crabs, some infested crabs develop anti-Sacculina precipitin reaction

Immunity

Trichostrongylus axei, calves, immunization failed to result in significant resistance, similar results with Ostertagia ostertagi but strong resistance to reinfection with Haemonchus contortus developed

Immunity

Trichostrongylus axei, calves given low-degree long-term daily immunizing inoculations, infection kinetics, response to challenge exposure

Immunity

gastrointestinal nematodes, cattle, immunization trials with in vitro-grown larvae or exoantigens, no treatment provided immunity to subsequent oral challenge exposure with normal infective larvae

Immunity

Herod, E.; Clark, I. A.; and Allison, A. C., 1978, Clin. and Exper. Immunol., v. 31 (3), 518-523
mice infected with attenuated vaccine strain of Brucella abortus are strongly protected against infection with Babesia microti, this non-specific immunity seems to be best explained by stimulation of macrophages so as to release mediator which limits intracellular replication

Immunity

Heumann, A. M.; et al., 1979, Infect. and Immun., v. 24 (3), 829-836
Plasmodium berghei, high and low antibody responder lines of mice and their interline hybrids, antibody response induced by vaccination with irradiated parasitized erythrocytes, innate resistance and protective efficacy of vaccination, results indicate vaccination-induced immunity is essentially due to antibody response

Immunity

Schistosoma mansoni, mice, Millipore diffusion chambers containing live adult worms implanted, produced specific antibodies but not resistance to reinfection

Immunity

Echinococcus multilocularis, HH vs. S strain, mice treated with fenbendazole as emulsion or in feed, indirect fluorescent antibody titers, compared with untreated mice

Immunity

Toxoplasma gondii, interactions in vitro with mouse cells, review

Immunity

Taenia saginata, calves inoculated with eggs, response to reinfection and/or drug therapy (mebendazole, praziquantel)

Immunity

Nippostrongylus brasiliensis in vitro, reactions to serum lymphocytosis, and peritoneal cells of immune or non-infected rats added in various combinations to culture media

Immunity

Honda, M.; et al., 1978, Virchows Arch., B Cell Path., v. 27 (4), 317-333
macrophage chemotactic factor sharing common antigenicity with IgG from DNP-Ascaris extract-induced skin lesion in guinea-pig

Immunity

Houba, V.; et al., 1979, Lysosomes Applied Biol. and Therap., v. 6, 3-29
Trypanosoma brucei, method of labelling with [75Se]-methionine, suitability for in vivo studies of immunological clearance, liver found to be principal site of phagocytosis in immune mice; method equally applicable to T. congolense

Immunity

Howard, R. J.; et al., 1978, Parasitology, v. 77 (3), 273-279
Trichinella spiralis, mice, effect of concurrent infection on survival and growth of Hymenolepis microstoma depends greatly on relative timing of the infections

Immunity

Howell, M. J.; and Sandeman, R. M., 1979, Internat. J. Parasitol., v. 9 (1), 41-45
Fasciola hepatica, precipitate which forms when metacercariae are cultured in immune rat serum is a complex of parasite metabolic antigen and rat Ig (possibly IgG), vaccination of rats with precipitate in FCA confers significant degree of protection
Immunity
Echinococcus granulosus, polyhexosamine cera-
mide complex antigen isolated from hydatid fluid: use in quantitative complement fixa-
tion test with Echinococcus-positive human sera; mice sensitized with this antigen, precipitating antibodies

Immunity
Hsii, S. Y. L.; et al., 1979, Internat. Arch. Allergy and Applied Immunol., v. 59 (4), 383-
Allergy and Applied Immunol., v. 59 (4), 383-

Immunity
alpha-2 macroglobulin-enzyme complexes as suppressors of cellular activity, speculations for alpha-2 macroglobulin's role in feedback regulation of cell division and for the sub-
version of this regulatory function by inva-
sive organisms (including Schistosoma mansoni) and tumors

Immunity
Hudson, R. J., 1975, Canad. J. Zool., v. 53 (4), 391-394
Protostrongylus stilesi, antiserum-depen-
dent adherence of lymphoid cells from Ovis canadensis to first-stage larvae

Immunity
Hymenolepis nana, mice immunized with X-irradiated cercariae

Immunity
Hunter, K. W., jr.; et al., 1979, J. Immunol., v. 123 (1), 133-137
Plasmodium yoelii, defective resistance in CBA/N mice, demonstrates that X-linked gene that affects B cell function influences malar-
ial resistance in mice

Immunity
Hussein, H. S., 1979, Exper. Parasitol., v. 47 (1), 1-12
Babesia microti, B. hylomysci, mice, role of spleen during infection, erythrophagocytosis, determination of phagocytic activity of reticu-
loendothelial system

Immunity
Imohiensen, E. A. E.; Sher, A.; and von Lichten-
berg, F., 1978, Parasitology, v. 76 (3), 317-

Schistosoma mansoni schistosomula in vitro and in mouse lung, early developmental changes studied from perspective of surface antigenic expression and parasite motility, these changes may play role in determining survival of parasites in normal or immune host

Immunity
Babesia divergens, B. major, attempt to in-
fect mice (nu/nu, nu/+, nu/nu splenecto-
mized, and Lasat), neither parasite became established, B. divergens persisted up to 10 days, B. major lasted only 1 day, B. diver-
gens persisted longer in splenectomized mice but absence of thymus made no apparent difference

Immunity
Itaya, T.; and Ovary, Z., 1979, J. Exper. Med., v. 150 (3), 507-516
Nippostrongylus brasiliensis, suppression of IgE antibody production in SJL mice, inter-
action of primed and unprimed T cells

Immunity
Ito, A., 1978, Exper. Parasitol., v. 46 (1), 12-

Hymenolepis nana, mice immunized with initial egg inoculation become resistant not only to egg but also to mouse-derived cysticercoid challenge, cortisone acetate suppresses immune response against the cysts, a few of egg-
derived tapeworms can survive 6 or more months in some of the immunized mice

Immunity
Ito, A.; and Yamamoto, M., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (4),
247-253
Hymenolepis nana, inoculation with different doses of shell-free eggs, protective im-

Immunity
301-306
Hymenolepis nana, maturation rate in mice inoculated with eggs vs. mouse-derived cysts and in normal vs. immunosuppressed mice (both given eggs)

Immunity
Hymenolepis nana, mice, primary infection with mouse-derived cysticercoids prepared from baby or adult mice did not make hosts immune to egg or cyst challenge whereas rapid protective immunity against egg challenge was acquired by inoculation with eggs, time course of cyst differentiation in baby mice was not different from that in adult mice

Immunity
Jacqueline, E.; et al., 1978, Exper. Parasitol., v. 45 (1), 42-54
Trichinella spiralis, infected or immunized mice, rats, and miniature pigs, humoral and secretory immunoglobulins active in inhibi-
tion of production of larvae
**SUBJECT HEADINGS**

**Immunity**
Jacqueline, E.; Vernes, A.; and Biguet, J., 1978, Exp. Parasitol., v. 45 (1), 34-41
Trichinella spiralis, inhibition of larval production by females from mice immunized with 'metabolic' antigen, comparison with production by females from unimmunized mice, effect of immunosuppressants on production of larvae by females from unimmunized mice

**Immunity**
Jagdish, S.; et al., 1979, Vet. Rec., v. 104 (7), 140-142
Theileria annulata, immunising infection in calves by injecting ground up infected Hyalomma anatolicum anatolicum supernate, severity of reactions in rolitetracycline-treated vs. non-treated calves compared, adequate protection, durable immunity to subsequent severe homologous challenge

**Immunity**
Schistosoma mansoni, eosinophil-mediated destruction of eggs in vitro, role of cytphilic antibody

**Immunity**
Plasmodium yoelii in intact and T cell-deprived mice carrying CBA/N X chromosome, course of infection, specific fluorescent antibody levels, anti-erythrocyte autoantibody responses; effect of CBA/N X chromosome on secondary responses

**Immunity**
Trypanosoma brucei, mice, activation of distinct helper and suppressor T cells, significance in relation to pathogenesis of trypanosomiasis

**Immunity**
Toxoplasma gondii, women with diagnostic antibody titer, study of presence of structural chromosome abnormalities in lymphocyte cultures, concluded that Toxoplasma infection does not increase proportion of chromosomal breakage in peripheral blood lymphocytes

**Immunity**
Babesia argentina, B. bigemina, Droughtmaster and Hereford cattle, duration of latent infection and functional immunity following natural infection

**Immunity**
Johnstone, C.; Leventhal, R.; and Soulsby, E. J. L., [1979], J. Parasitol., v. 64 (6), 1978, 1015-1020
Ascaris suum, C57BL/6 mice, centrifugation method for recovering tissue larvae is superior to both Baerman and tissue digest methods, use of this method in evaluating this mouse strain as model for study of immune resistance to infection

**Immunity**
Toxoplasma gondii, alterations in mice infected with toxoplasmas attenuated in virulence, effects of antibodies to Toxoplasma on survival and growth of these organisms in vitro, multiplication of toxoplasmas within macrophages from normal and immunized mice, requirements for lymphocytes and for Toxoplasma antigen for induction in macrophages of ability to suppress Toxoplasma multiplication and variation in these requirements with time after immunization, further characterization of lymphocyte-antigen effect on macrophages, effects on Toxoplasma multiplication in macrophages of supernates of immune lymphocyte-Toxoplasma antigen interactions

**Immunity**
Trichosporonys loburiformis, temporal relationship between increase in mucosal amine levels and worm expulsion by guinea pigs of different immune status (vaccinated, adoptively immunized, lactating, or ALS-treated), results suggest important role for histamine in effector mechanism of immune response

**Immunity**
Schistosoma mansoni, cytotoxicity of human and baboon mononuclear phagocytes against schistosomula in vitro, induction by immune complexes containing IgE and parasite antigens

**Immunity**

**Immunity**
Schistosoma mansoni, human, correlation of class-specific circulating antibodies with clinical forms of disease and with fluorescence patterns developed in sections of both worms and liver granulomata

**Immunity**
Karlsson, T.; and Reid, W. M., 1978, Avian Dis., v. 22 (3), 487-495
Eimeria tenella, broiler chicks, effect of anticoccidials in feed on development of immunity to coccidiosis

**Immunity**
Karmanska, K.; et al., 1976, Acta Parasitol. Polon., v. 24 (1-10), 81-91
Trichinella spiralis, mice, trascolan (a protease inhibitor) depressed levels of plasma kinins and mobilization and degranulation of mast cells in lamina propria mucosae in intestine, it did not prolong parasite survival but depressed vigor of expulsion
Immunity
Trichinella spiralis, mice, dynamics of stimulation of T and B lymphocytes in intestines, muscles, and lymphatic organs in different phases of infection, results indicate that delayed hypersensitivity is not responsible for expulsion

Immunity
Kassis, A. I.; Aikawa, M.; and Mahmoud, A. A. F., 1979, J. Immunol., v. 122 (2), 398-405
Schistosoma mansoni, mice, antibody-dependent eosinophil and macrophage adherence and damage to schistosomula

Immunity
Schistosoma mansoni, antibody-dependent complement-mediated killing of schistosomula in intraperitoneal diffusion chambers in mice

Immunity
Schistosoma mansoni, children and adults living in endemic areas, influence of age and worm burden on re-infection after specific therapy: State of Minas Gerais, Brazil

Immunity
Schistosoma mansoni, Cebus monkeys, correlation of number of eggs per gram of rectal tissue with number of female worms, challenge infection effect, or drug action

Immunity
Trichinella spiralis, antibody-dependent eosinophil-mediated destruction mechanism specific for newborn larval stage, destruction of adult worms or muscle larvae not observed

Immunity
Schistosoma mansoni, identification of immunoglobulin classes associated with tegument of adult parasites from mice

Immunity
Kendall, S. B.; et al., 1978, J. Comp. Path., v. 88 (1), 115-122
Fasciola hepatica, cattle highly resistant to reinfection after initial infection had been terminated by anthelmintic treatment 3 or 22 weeks previously, 82% reduction in worm burden of reinfected cattle, much smaller size of flukes recovered from reinfected animals, precipitin production less in response to second infection than primary infection

Immunity
Kennedy, M. W.; Nakelin, D.; and Wilson, M. M., 1979, Parasitology, v. 78 (2), 121-130
Trichinella spiralis, mice, transplantation of adult worms directly into host intestine: reproducible techniques; worm survival; stimulation of and susceptibility of worms to the immune response; effects of immune response on worm survival in recipient

Immunity
Khan, Z. I.; and De Rynck, P. H., 1977, Zeschr. Parasitenk., v. 52 (3), 267-274
Hymenolepis microstoma in mice treated with cortisone, increased weight and glycogen content of worms seems to be immunosuppressive effect rather than hormonal action; cortisone in vitro produces no change in worm weight; infection by 30 worms provokes rejection process which can be partially suppressed by cortisone

Immunity
Khovanskikh, A. E.; and Kuznetsova, N. A., 1975, Parazitologiya, Leningrad, v. 9 (1), 77-81
Eimeria tenella-infected chickens, intensity of C1-glycine inclusion into proteins of various organs, changes in total proteins and gamma-globulin in blood serum, correlation between increased biosynthesis of proteins in immunocompetent organs and increase in gamma-globulin in blood serum

Immunity
Kierszenbaum, F., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 965-968
Trypanosoma cruzi, antibody-dependent killing of bloodstream forms by human peripheral blood leukocytes

Immunity
Kierszenbaum, F.; and Ferraresi, R. W., 1979, Infect. and Immun., v. 25 (1), 275-278
Trypanosoma cruzi, mice, enhancement of resistance against infection by the immunoregulatory agent muramyl dipeptide

Immunity
Kierszenbaum, F.; and Pienkowski, M. M., 1979, Infect. and Immun., v. 24 (1), 117-120
Trypanosoma cruzi, mice, thymus-dependent control of host defense mechanisms

Immunity
Kipnis, T. L.; Calich, V. L. G.; and Dias da Silva, W., 1979, Parasitology, v. 78 (1), 89-98
Trypanosoma cruzi, trypomastigote bloodstream forms of Y and CL stock, uptake by mouse peritoneal macrophages and intracellular differentiation and multiplication in vitro under a variety of conditions, results confirm that epimastigote culture forms are phagocytosed and suggest that bloodstream forms penetrate actively into macrophages

Immunity
Kittas, C.; and Henry, L., 1979, J. Path., v. 127 (3), 129-136
Toxoplasma gondii, mice, effects of gonadectomy and oestrogen administration on response of lymph-node post-capillary venules to infection, possible contribution to differences in immune response between male and female hosts
SUBJECT HEADINGS

Immunity
Babesia bigemina, B. argentina, sheep and cattle, immunity and immunophrophylaxis

Immunity
Ancylostoma caninum, comparative in vitro study of antibody binding to different stages, indirect fluorescent antibody technique applied to cryostat sections and intact worms, role of body surface in immunity, specific reaction consisted of layer covering cortex of cuticle

Immunity
Ascaridia galli, in vivo and in vitro studies on effect of host immunity on cuticle permeability

Immunity
Ascaridia galli, in vitro glucose uptake greater in worms from vaccinated chicks than in those from unvaccinated chicks, increased parasite surface permeability possibly related to increased host immunity

Immunity
Ascaridia galli, ATP-ase, histochemical localization in cutaneous-muscular tissue, optimal conditions for activity, effect of host immunity on activity

Immunity
Boophilus microplus, rejection of larvae from British breed cattle with different levels of resistance, relationship to grooming response

Immunity
Kozachenko, N. G.; and Vasili'kov, G. V., 1977, Veterinar'ia, Moskva (7), 59-62
Trypanosoma cruzi, in vitro lysis of blood-stream forms mediated by antibodies and complement, strain differences in susceptibility to rat peritoneal cells; adherence is specific, without cross reactions; results suggest that phagocytosis as well as cytophilic antibodies play a role in immunity

Immunity
Bothriocephalus gowkongensis infection, role of body surface in immunity, review

Immunity
Strongyloides, lambs, protein fractions of blood in periods of invasion, superinfection, after dehelmintization, and reinfection

Immunity
Kondo, K.; et al., 1976, Kiseichugaku Zasahi (Japan. J. Parasitol.), v. 25 (5), 371-376
Toxocara canis, mice, resistance after sensitization and challenge with eggs, numbers of larvae recovered from various organs
Immunity
Toxoplasma gondii, rabbits treated with 2-sulfamoylanilido diaminodiphenylsulfone, determination of minimum curative dose, haemagglutinating antibody response in primary and challenge infection, immunity to challenge infection, schedule for raising high titre serum

Immunity
Kwa, B. H.; and Liew, F. Y., 1978, J. Helminth., v. 52 (1), 1-6
Taenia taeniaeformis, rats, blocking antibody may be involved in survival of 1 year old established larvae in immune hosts, experiments with 1 month old larvae were inconclusive

Immunity
Kwa, B. H.; and Liew, F. Y., 1978, J. Helminth., v. 52 (2), 99-107
Taenia taeniaeformis, rats, haemagglutinating antibody production, passive transfer of immunity using sera from different time intervals after infection, passive transfer using dilutions of hyperimmune serum, time course of protection conferred by passive serum transfer before and after challenge

Immunity
Lackie, A. M.; and Lackie, J. M., 1979, Parasitology, v. 79 (2), 297-301
Moniliformis dubius larvae, evasion of insect immune response, origin of protective envelope

Immunity
Lalic, R.; et al., 1979, Period. Biol., v. 81 (2), 485-487
[Trichinella] spiralis, humans (nat.), guinea pigs (exp.), humoral immune response, indirect immunofluorescence test, possible application to immunodiagnosis

Immunity
Fasciola hepatica, rabbits immunized with secretory/excretory antigen, antibodies detected with complement fixation, precipitation, and fluorescent antibody tests, immunologically identical antibodies found after infection

Immunity
Myocoptes musculinus, mice, positive skin test to mite antigens, kinetics of IgE antibody response to mite antigens, mast cell degranulation by mite extract

Immunity
Langhorne, J.; and Cohen, S., 1979, Parasitology, v. 78 (1), 67-76
Plasmodium knowlesi in Calithrix jacchus investigated as possible model for immunological studies, course of infection, differential susceptibility, resistance to challenge infection

Immunity
Langreth, S. G.; and Reese, R. T., 1979, J. Exper. Med., v. 150 (5), 1241-1254
Plasmodium falciparum, immunocytochemical localization of antibodies from immune sera on surfaces of infected erythrocytes and of merozoites

Immunity
Lanotte, G.; et al., 1979, Ann. Parasit., v. 54 (3), 277-295
Leishmania donovani in dogs (nat. and exper.), clinical, parasitological, and immunological comparisons, epidemiological significance of different clinical forms: Cevennes, southern France

Immunity
Heligmosomoides polygyrus-infected mice, modifications in sensitivity to Salmonella abortus ovis challenge (more frequently infected after oral inoculation, lower fatality rate after sub-cutaneous inoculation)

Immunity
Babesia bigemina, cattle of 2 different age groups (exp.), clinical manifestations, parasitemia, indirect fluorescent antibody titer

Immunity
Latimer, D. C.; and Meade, T. G., 1979, Texas J. Sc., v. 31 (1), 53-58
Posthodiplostomum minimum, Schistosoma mansoni, cercarial responses to uninfected and P. minimum-infected sera of Lepomis sp. at different dilutions, pericercarial envelope formation

Immunity
Laubach, H.; Kocan, A. A.; and Sartain, K. E., [1979], J. Parasitol., v. 64 (4), 1145-1146
Angiostrongylus cantonensis in specific pathogen-free rats, elevated lung lysophospholipase activity and bone marrow eosinophilia due to infection are not additive with increasing worm burdens, findings suggest immune-controlled mechanism of lysophospholipase activity increase during helminth infection

Immunity
Echinococcus granulosus, preparation of monospecific antisera against antigens in sheep hydatid fluid, useful as reagents in serodiagnostic tests

Immunity
Nippostrongylus brasiliensis, ultrastructural changes in infective larvae in skin of immune mice

Immunity
Eimeria maxima, chickens, single sporocyst infections give rise to infective oocysts and confer partial protective immunity, results suggest that sporozoites of this species are probably sexually undifferentiated
Subject Headings

Immunity
Plasmodium chabaudi-infected mice (T-cell deprived, sham-thymectomized and normal), course of infection, comparison with P. yoelii; T-cell deprived mice with P. chabaudi (unlike P. yoelii) gave reactions similar to those of normal and sham-deprived mice indicating that this malaria model is not thymus dependent

Immunity
Lelchuk, R.; et al., 1979, Parasite Immunol., v. 1 (1), 61-78
Plasmodium yoelii- and P. berghei-infected mice and vaccinated mice challenged with homologous parasites, changes in phagocytic and adherent cell numbers, development and suppression of population of late-adhering macrophages

Immunity
Lemos, M. V. F.; and Menezes, H., 1978, Tropenmed. u. Parasitol., v. 29 (1), 119-126
Trypanosoma cruzi, development of immune state in mice injected with immune RNA (extracted from spleen of mice immunized with avirulent PF strain), partial protective effect against virulent Y strain

Immunity
Leon, W.; et al., 1970, Infect. and Immum., v. 26 (3), 1218-1220
Trypanosoma cruzi, simple method for obtaining amastigotes from infected mice, antibody-induced capping of amastigotes

Immunity
Ascaridia galli-immunized chickens with vitamin A deficiency, lipoprotein and glycoprotein fractions of serum

Immunity
Ascaridia galli-immunized chickens, changes in cholesterol levels in various tissues, probable role of cholesterol, interdependent with vitamin A, in protecting host organism

Immunity
Schistosomiasis, human, mechanisms of immunity and immunopathology, review

Immunity
Liew, F. Y.; Dhaliwal, S. S.; and Teh, K. L., 1979, Immunology, v. 37 (1), 35-44
Plasmodium berghei infection of mice and of supernatant obtained from cultures of infected red cells on humoral (enhanced or suppressed) and cell-mediated (suppressed) immune responses to unrelated antigens

Immunity
Taenia taeniaeformis, mice, passive transfer of protection with intestinal, colostral, or serum immunoglobulins, protective capacity found to be associated mainly with IgA of colostrum and intestinal secretions and IgG of serum

Immunity
Loker, E. S., 1978, Exp. Parasitol., v. 46 (2), 134-140
Schistosomatium douthitti, effect of irradiating miracidia on their infection of Lymnaea catascopium, results of later challenge with normal miracidia, failure to confer protection

Immunity
Loker, E. S., 1979, J. Invert. Path., v. 33 (3), 265-273
Schistosomatium douthitti in Lymnaea catascopium (exper.), pathological changes and cellular responses induced by penetrating miracidia and developing parasites

Immunity
Parasitic disease, children, epidemiology in recent years; humoral and cellular immunity in parasitic infections, brief review

Immunity
Schistosoma mansoni, mice, development of partial resistance against homologous challenge as early as 2 weeks after primary infections of 35 to 75 cercariae, degree of protection increased to apparent maximum by 6 weeks, animals given primary infection of only 25 cercariae required longer period to acquire maximum resistance

Immunity
Long, G. W.; and Dusanic, D. G., 1978, Exp. Parasitol., v. 44 (1), 56-65
Trypanosoma lewisi, serological reactivities of exoantigens and cellular antigens of bloodstream parasites from immunosuppressed rats (precipitation and agglutination tests), results suggest that likely result of immunosuppressing host is trypanosome antigen preparation that is more reactive serodiagnostic reagent

Immunity
Eimeria greineri in Numida meleagris (intestinal, caeca) (nat. and exper.), life cycle, reproduction rate, pathogenicity (severe depression of body weight gain), immunity to reinfestation, treatment with sulphaquinoxaline in drinking water and robenidine in food: Britain

Immunity
Long, P. L.; Millard, B. J.; and Smith, K. M., 1979, Avian Path., v. 8 (4), 453-467
Eimeria spp., chickens, effect of 4 anticoccidial drugs on development of immunity, field and laboratory conditions
Immunity
Loose, L. D.; et al., 1978, Infect. and Immun., v. 20 (1), 30-35
polychlorinated biphenyl- and hexachlorobenzene-treated mice, impaired resistance to bacterial endotoxin and to Plasmodium berghei, data indicate that environmental chemicals impair host resistance and that the alteration may be related to presence of the chemicals in the lymphoreticular organs

Immunity
Trypanosoma cruzi, lysis of epimastigotes by eosinophils (entirely antibody-dependent) and neutrophils (significant antibody-independent component)

Immunity
Louis, J.; et al., 1978, Pharmacol. Immunoreg., 225-238
Trypanosoma brucei, mice, strong polyclonal B cell activation, appearance of autoantibodies with various specificities

Immunity
Louis, J.; et al., 1979, European J. Immunol., v. 9 (11), 841-847
Leishmania tropica, mice, induction of specific T lymphocyte-dependent proliferative response

Immunity
Luckins, A. G.; and Gray, A. R., 1979, Parasitology, v. 79 (3), 337-347
Trypanosoma congolense, stocks from East and West Africa, antigenicity and serological relationships

Immunity
Lumsden, R. D., 1979, Host-Parasite Interfaces, 49-70
helminth parasitism, mammalian inflammatory response, review of morphological aspects of host-parasite interaction

Immunity
immune response to trypanosomes, review

Immunity
demonstration of antibodies to Protozoa, extensive review

Immunity
Schistosoma mansoni, humans, monkeys, enzyme-linked immunosorbent assay technique using antigens prepared from eggs, cercariae, and adult worms, differential responses to antigen serologically differentiated between chronic and acute infections

Immunity
telogaster opisthochus, precipitating antibody in Anguilla australis schmidtii serum and A. dieffenbachii gut mucus, agar-gel diffusion, passive haemagglutination, estimated molecular weight and 2-mercaptoethanol sensitivity of antibodies

Immunity
Plasmodium falciparum, semi-immune human exposed to homologous and heterologous challenges developed infections but with moderated clinical manifestations, increased prepatent periods, and limited parasitemias; gametocytes produced were non-infected for Anopheles stephensi

Immunity
McDonald, V.; and Phillips, R. S., 1978, Clin. and Exper. Immunol., v. 34 (2), 159-163
Plasmodium chabaudi-infected mice, increase in K cell activity in spleens, chicken red cells coated with antibody used as target cells

Immunity
McDonald, V.; and Phillips, R. S., 1978, Immunology, v. 34 (5), 821-830
Plasmodium chabaudi, thymectomized mice more susceptible to infection than controls; adoptive transfer of immunity with enriched populations of spleen T and B lymphocytes

Immunity
McDougald, L. R.; Karlsson, T.; and Reid, W. M., 1979, Avian Dis., v. 23 (4), 999-1005
coccidiosis, chickens (exper.), natural outbreak of infectious bursal disease (IBD), during comparison of anticoccidials for their effect on development of immunity, interaction between diseases, immunity to coccidiosis not blocked by IBD

Immunity
McDougald, L. R.; and McQuiston, T. E., 1979, Avian Dis., v. 22 (4), 765-770
Eimeria spp., turkeys, coccidiosis management, innate (age) resistance and acquired immunity vs. anticoccidial medication

Immunity
Haemaphysalis leporispalustris infestations of juvenile and adult Sylvilagus floridanus from January 1974-December 1975 in Douglas County, Kansas, relationship to skin-sensitizing antibody production, models used to interpret data show promise for predicting tick population fluctuations and incidence of vector borne disease outbreaks, implications of existence of resistance to tick attachment

Immunity
malaria, epidemiological aspects, symposium presentation: failure of eradication programs; malaria in pregnancy; interaction between parasite and human erythrocyte
Immunity
Nippostrongylus brasiliensis, mice, suppression of reaginic antibody (IgE) formation by treatment with anti-IgE antisera, supports hypothesis that IgE-producing cells arise from IgM-bearing precursors

Immunity
Mannweiler, E.; Feiglner, P.; and Lederer, I., 1979, Deutsche Med. Wchnschr., v. 104 (32), 1130-1142
Escherichia coli, Sept. 5-9, 1977, 127-146

Immunity
Mansfield, J. M.; and Bagasra, O., 1978, J. Immunol., v. 120 (3), 759-765
Trypanosoma rhodesiense, mice, B cell responses to helper cell-independent and -dependent antigens, implications for mechanism of immune system dysfunction in chronic African trypanosomiasis

Immunity
Mansson-Smith, D. F.; et al., 1979, Clin. and Exper. Immunol., v. 38 (3), 475-482
Trichinella spiralis in NIH vs. BALB/c mice, distribution and duration of adult worms in small intestine, localization of lymphoblasts within regions of small intestine during course of infection

Immunity
Marius, V.; et al., 1979, Ann. Recherches Vet., v. 10 (1), 55-63
calves (exper.) infected with Dictyocaulus viviparus and several intestinal nematodes, antibodies against D. viviparus antigen in sera and respiratory secretions, enzyme-linked immunosorbent assay

Immunity
Sarcocystis and sarcocystosis in domestic animals and man, extensive review (life cycle; host specificity; pathogenicity and pathology; immunology and serology)

Immunity
Marretta, J.; and Casey, F. B., 1979, Immunology, v. 37 (3), 609-613
Ascaris suum, Nippostrongylus brasiensis, effect on potentiation of IgE response in guinea pigs

Immunity
Pneumocystis carinii, preliminary studies on identifying trophozoites and cysts and establishing infection of cell cultures, interaction in vitro with macrophages and T-cells, observations suggest role for antibody and mononuclear phagocytes during immune response

Immunity
Martinez-Palomo, A., 1978, J. Parasitol., v. 64 (1), 127-136
Onchocerca volvulus, microfilariae at different developmental stages obtained from untreated humans, formation of cuticle characterized ultrastructurally, no plasma membrane found at cuticle, results suggest that immunogenic determinants are hidden from exterior by acellular cuticle and this may explain lack of cellular reaction usually found around living microfilariae in dermis of onchocerciasis patients

Immunity
Martynowicz, T., 1975, Acta Parasitol. Polon., v. 23 (41-51), 603-655
Trichinella spiralis, guinea pigs, treatment with immunosuppressive drugs, immunologic observations (macrophage migration inhibition test, serologic tests), immunohistochemical observations, behavior of mast cells, histopathology, parasitologic observations

Immunity
Hyostrongylus rubidus, immune adherence of human red blood cells to cuticles of various developmental stages following exposure of parasites to serum derived from infected pigs in presence of complement

Immunity
Hyostrongylus rubidus, anti-enzyme antibodies against parasite enzymes in rabbits and pigs

Immunity
Mashih, K. N.; and Werner, H., 1978, J. Immunol., v. 121 (5), 2056-2059
Toxoplasma gondii, types of cells involved in antigen-stimulated and spontaneous rosette formation

Immunity
Toxoplasma gondii, mice, effect of passively transferred heterologous serum on number of brain cysts present and survival rate after lethal challenge, serum given before challenge reduces numbers of brain cysts and increases survival rate, serum given after challenge gives higher survival rate but enhances infection as judged by increased numbers of brain cysts

Immunity
Pneumocystis carinii, preliminary studies on identifying trophozoites and cysts and establishing infection of cell cultures, interaction in vitro with macrophages and L-cells, observations suggest role for antibody and mononuclear phagocytes during immune response

Immunity
immune mechanisms in protozoal infections, colloquium presentation
Immunity
Maul, J.; et al., 1974, Ciba Found. Symp., n.s. (25), 225-242
Leishmania, survival and death in macrophages, review

Immunity
Leishmania enriettii, destruction of intracellular organelles in macrophages activated by cocultivation with stimulated macrophages

Immunity
Trypanosoma brucei, mice, extensive proliferation of B, T, and null cells in spleen and bone marrow, still unclear whether there is any primary target cell for immunosuppression

Immunity
Mayrhofer, G.; et al., 1979, Cellular Immunol., v. 47 (2), 304-311
Nippostrongylus brasiliensis, rats, primary and secondary infections, kinetics of mucosal mast cell hyperplasia in jejunum, may be manifestation of adaptive immune response to parasite

Immunity
Mayrhofer, G.; and Fisher, R., 1979, Immunology, v. 37 (1), 145-155
Nippostrongylus brasiliensis, rats, influence of T-cell depletion on mast cell responses

Immunity
Leishmania braziliensis, humans cured with glucantine, 52% negative reactions to Montenegro intradermal test, possible immunological implications

Immunity
Fasciola hepatica, sheep (exper.) maintained under grazing conditions, no evidence that previous infection conferred significant host resistance to future challenge

Immunity
Mendes, R. P.; Takehara, H. A.; and Mota, I., 1979, Exper. Parasitol., v. 48 (3), 345-351
Trypanosoma cruzi, mice with acute and chronic infection, homocytotropic antibody response to unrelated antigens, loss of T-cell regulatory mechanism may explain results

Immunity
Herpetomonas samuelpesoai, polysaccharide components of cells grown on various culture media, possible role of certain polysaccharides in immunogenic terms

Immunity
Leishmania braziliensis, effect of peritoneal macrophages from mice injected with parasites on vitro growth of tumor cells

Immunity
Mesfin, G. M.; and Bellamy, J. E. C., 1979, Infect. and Immun., v. 23 (1), 108-114
Eimeria falciformis var. pragensis, mice, (i) effects of immune response on life cycle, (ii) relative immunizing ability of different doses of oocysts, (iii) duration of acquired resistance; possibility that cell-mediated immune mechanism is responsible for arrest in schizogony

Immunity
Mesfin, G. M.; and Bellamy, J. E. C., 1979, Infect. and Immun., v. 23 (2), 460-464
Eimeria falciformis var. pragensis, mice, thymic dependence of immunity

Immunity
Trichinella spiralis, mice, effect of inhibition of degranulation of mast cells (by disodium cromoglycate) on expulsion of adult trichinellae, numbers of muscular larvae, and extent and character of histopathologic changes in intestine and muscles

Immunity
Michel, J. C.; Lagrange, P. H.; and Hurtrel, B., 1979, Parasite Immunol., v. 1 (4), 267-275
Plasmodium berghei, mice under prophylactic treatment with various drug regimens, development of effective antisporozoite immunity by natural bites of infected mosquitoes, symposium presentation

Immunity
Michel, J. C.; Lagrange, P. H.; and Hurtrel, B., 1979, Parasite Immunol., v. 1 (4), 267-275
Plasmodium berghei, mice under prophylactic treatment with various drug regimens, development of effective antisporozoite immunity by natural bites of infected mosquitoes, symposium presentation

Immunity
Toxoplasma gondii, human, immune response, risk of congenital infection during pregnancy

Immunity
Ascaris suum, swine, superinfection causes expulsion of worms from intestine and rise in serum antibody titre
Immunity
Miller, H. R. P.; and Nawa, Y., 1979, Expersen. Immunol., v. 47 (1), 81-90
Nippostrongylus brasiliensis, rats, parasite elimination is associated with increase in proportion of intestinal goblet cells, this effect can be adaptively transferred by immune thoracic duct lymphocytes

Immunity
immunology in intestinal parasitism of cats and dogs, review

Immunity
Transversotrema patialense on Brachydanio rerio (exper.), host size (age) and parasite survival, (parasite) age- and density-dependent survival and reproduction, reinfection and transplantation experiments failed to provide evidence of host immunological responses

Immunity
Trypanosoma cruzi, primary isolation by hemoculture of parasites from naturally infected Didelphis azarae, mice (exper.) and acute and chronic infections in humans; low proportion of successful isolations from human chronic infections due probably to lower parasitemia; hemoculture from chronic patients also differed markedly from other hosts in very slow growth-rate obtained which was probably due to continuing activities of humoral and cellular components in blood inoculum

Immunity
host protective immunity in parasitic diseases, review

Immunity
Mitchell, G. F., 1978, Contemp. Topics Immunobiol., v. 8, 55-67
metazoan and protozoan infections in nude mice, review

Immunity
immunological and 'paraimmunological' responses to infection with metazoan and protozoan parasites in mouse models, extensive review

Immunity
effector cells, molecules, and mechanisms in host-protective immunity to parasites, review

Immunity
Plasmoidium berghei, Babesia rodhaini, mice, attempts to raise host-protective sera using variety of immunization manipulations (BCG injection, P. yoelii infection, others)

Immunity
Schistosoma mansoni, percentage of T and B lymphocytes in peripheral blood of adults with chronic intestinal infection

Immunity
Molinari, J. A.; Ebersole, J. L.; and Cypess, R. H., 1978, J. Parasitol., v. 64 (2), 235-238
Heligmosomoides polygyrus, mice, oral infection and challenge, serum protein levels, immunoglobulin levels, specific antibody levels

Immunity
Molineaux, L.; et al., 1978, Bull. World Health Organ., v. 56 (4), 573-578
Plasmodium falciparum, P. malariae, serological study comparing infants exposed to or protected from malaria: Nigeria

Immunity
sickle cell disease subjects living in hyperendemic malarial area, numbers of malaria-infected persons, seroimmunologic test results, immunoglobulin levels, and age groups compared with subjects without sickle cell trait: Sudan savanna of Nigeria

Immunity
Moloney, A.; and Denham, D. A., 1979, Parasite Immunol., v. 1 (1), 3-12
Trichinella spiralis, effects of immune serum and cells on newborn larvae, in vitro and in vivo (mice) studies

Immunity
Molyneux, M. F.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (9-10), 183-187
malarial and schistosomal antibodies and serum immunoglobulin concentrations in patients with massive splenomegaly measured, discussion of problems in diagnosis of gross splenomegaly in areas where schistosomiasis and malaria coexist: Malawi

Immunity
Moncol, D. J.; and Triantaphyllou, A. C., 1978, J. Parasitol., v. 64 (2), 220-225
Strongyloides ransomi, factors influencing sex expression and developmental pattern of progeny of parasitic females: appearance of males attributed to effect of host immunity, physiological ageing of parasitic females, or both, sex determined prior to hatching: cultural conditions (pH, culture substrate) influenced direction of development of female rhabditoid larvae

Immunity
borderline cutaneous leishmaniasis, clinical, immunological and histological differences from mucocutaneous leishmaniasis, patients from Bahia, Brazil

Immunity
Trypanosoma congoense, marked differences in susceptibility of inbred strains of mice to infection, correlation with changes in spleen lymphocyte populations
Immunity
Moser, G.; et al., 1978, J. Protozool., v. 25 (1), 119-124
Plasmodium berghei, P. knowlesi, P. cynomolgi, purification of sporozoites by passage through DEAE-cellulose column, retention of ability to produce infection, to induce protective immunity, and to react with known antisera

Immunity
Schistosoma mansoni in Rattus rattus and R. norvegicus, survey by immunofluorescence, variation in rate of infection and in antibody titers in 3 different biotopes, possible explanations: Guadeloupe

Immunity
Munday, B. L., 1979, Vet. Parasitol., v. 5 (2-3), 129-135
Sarcocystis ovicanis, deleterious effect on growth rate and haematocrit in lambs, presence of antibodies (presumably colostral) against Sarcocystis did not appear to provide significant protection

Immunity
Toxoplasma gondii, sheep and cattle exposed to natural infection, serological responses, results taken to indicate that cattle do not readily acquire persistent infections

Immunity
Murphy, J. R., 1979, Infect. and Immun., v. 24 (3), 707-712
Plasmodium berghei, mice, analysis of mechanisms of immunity generated in response to immunization with formalin-killed blood-stage parasites

Immunity
Murphy, J. R.; and Lefford, M. J., 1979, Infect. and Immun., v. 23 (2), 384-391
Plasmodium yoelii, mice, defense mechanism against infection is mediated by humoral factors in absence of demonstrable cell-mediated immunity

Immunity
Murray, H. W.; et al., 1979, J. Exper. Med., v. 150 (4), 950-964
Toxoplasma gondii, role of oxygen intermediates in macrophage killing and inhibition of growth of intracellular toxoplasmas

Immunity
Toxoplasma gondii, methods which demonstrate susceptibility to selected oxygen intermediates generated in cell-free system

Immunity
Murray, N.; and Morrison, W. I., 1979, Parasitology, v. 79 (3), 349-366
Trypanosoma congolense, Trypanosoma brucei, non-specific induction of increased resistance in mice by immunostimulants

Immunity
Musaev, M. A.; and Surkova, A. M., 1974, Parasitologiya, Leningrad, v. 8 (2), 170-174
Eimeria tenella, chickens (exper.), acid and alkaline phosphatase activity of small intestinal mucosa, comparison of one infection (non-immune) vs. 3 successive infections (immune)

Immunity
Musatov, V. A., 1978, Veterinariia, Moskva (6), 57-61
ixodid ticks, pathology of host skin reaction to bite and feeding, nonspecific (innate) reaction and specific immune reaction

Immunity
Giardia lamblia, humans, investigation of humoral and cellular immunity shows no impairment of immune functions

Immunity
Naidin, E. H.; et al., 1979, Science (4418), v. 206, 597-599
Plasmodium falciparum, human, antibodies to sporozoites, occurrence in 4 age groups: Keneba, West Kiang district, The Gambia

Immunity
Plasmodium berghei-mouse and P. knowlesi-rhesus monkeys systems, detection of stage and species specific antigens and antibodies with circumsporozoite precipitation and indirect immunofluorescence methods, preliminary application to P. falciparum in humans with similar results

Immunity
Schistosoma mansoni, S. haematobium, 4 clinically different groups of patients, total IgG and IgM levels, specific IgM and IgG antibody to polysaccharide antigen present in schistosome gut, modulation of antibody response appears primarily dependent on infection duration, total Ig levels depend on infection duration and intensity
Immunity
Subulura sp., description, histology of encapsulation of third stage larvae, role of host regenerating crypt in capsule formation, defense reaction mechanism of host

Immunity
Nathan, C.; et al., 1979, J. Exper. Med., Reihe y (5), 1056-1068
Trypanosoma cruzi, activation of macrophages in vivo and in vitro, correlation between hydrogen peroxide release and trypanocidal activity

Immunity
Nawa, Y., 1979, Internat. J. Parasitol., v. 9 (3), 251-255
Nippostrongylus brasiliensis-infected rats, increased permeability of gut mucosa is related to worm burden and neither to worm expulsion nor intestinal mast cell response, host strain difference in both worm burden kinetics and kinetics of intestinal permeability

Immunity
Nawa, Y.; and Miller, H. R. P., 1979, Cellular Immunol., v. 42 (2), 225-239
Nippostrongylus brasiliensis, rats, intestinal mast cell (IMC) response can be transferred by adoptive immunization, IMC may be derived from subpopulation in transferred immune thoracic duct lymphocytes, close relationship between worm expulsion and increased numbers of IMC

Immunity
Litomosoides carinii, albino rats (exper.), relationship between dose size, resulting parasitemia, and immune response (cell mediated and humoral)

Immunity
Dipetalonema viteae, kinetics of primary infections in an outbred and 5 inbred strains of Mesocricetus auratus, different patterns relative to microfilariae elimination or non-elimination, differences in average numbers of adult worms recovered

Immunity
host-ectoparasite interactions, review: hematologic and clinical manifestations of infestation, arthropod antigens and host antibodies raised against them, manifestations of antigen-antibody interaction, histopathologic reactions of skin to arthropod feeding and acquired resistance to arthropods, genetics of host resistance, economic effects of parasitism, speculation on nature of innate and acquired resistance

Immunity
Nelson, W. A.; Bell, J. F.; and Stewart, S. J., 1979, Exper. Parasitol., v. 48 (2), 259-264
Polyplax serrata, histopathology of skin in mice that do (CFW strain) and do not (C57BL strain) develop resistance

Immunity
Onchocerciasis, human, serological survey, correlation with epidemiological data and microfilarial rates: Liberia, West Africa

Immunity
Cutaneous leishmaniasis resembling 'moist' form caused by Leishmania tropica major, 24-year-old male Peace Corps volunteer in Senegal, case report, persistent organisms in healing lesions after multiple courses of treatment and in presence of normal humoral and cell-mediated immune response

Immunity
Nederkorn, J. Y., 1978, J. Parasitol., v. 64 (2), 253-256
Mesocestoides corti, in vitro antiparasitic effects of intestinal extracts from mice subcutaneously vaccinated with live tetrahyridia pretreated with mouse serum from subcutaneously vaccinated mice were killed by incubation in intestinal extracts from untreated donor mice

Immunity
Nederkorn, J. Y., 1978, J. Parasitol., v. 64 (4), 763-764
Mesocestoides corti, fluorescent antibody studies of sera and intestinal extracts of mice subcutaneously vaccinated with tetrathyridia, results favor hypothesis that intestinal immunity against tetrathyridia is antibody-mediated to some degree

Immunity
Ascaris suum, rats (exper.), effect of isoenergetic fat diets on resistance, immunological and endocrine parameters

Immunity
Entamoeba histolytica, exper. infected Mesocricetus auratus, measurement of serologic responses using indirect hemagglutination and enzyme linked immunosorbent assay tests
Immunity
toxoplasmosis, recurrent infection in woman treated with co-trimoxazole, normal clinical response to each course of therapy, no evidence of impaired immunity

Immunity
host-tick interactions reviewed: tick feeding mechanism and innate and acquired host resistance; host specificity

Immunity
malaria, newborn infants and young children living in stable hypoendemic area, evaluation of antimalarial antibody titers using Plasmodium berghei as antigen: Abidjan dispensary, Ivory Coast

Immunity
Nurse, G. T., 1979, Lancet, London (8149), v. 2, 938-940
humans with thalassaemia, role of iron in host tissue as protective mechanism against Plasmodium infections

Immunity
S[chistosoma] haematobium, human, incidence of hepatitis B surface antigen

Immunity
Theileria parva, T. lawrencei, cultivation of cell-free schizonts and merozoites in vitro, immunogenicity in cattle inoculated with T. parva merozoites and schizonts and later challenged

Immunity
Nyindo, M.; et al., 1979, J. Parasitold., v. 65 (5), 751-755
Trypanosoma brucei, in vitro propagation of metaacyclic forms derived from salivary glands of Glossina morsitans, addition of specific antiserum to cultures caused agglutination of parasites and rendered them noninfective

Immunity
Oelerich, S., 1977, Tropenmed. u. Parasitol., v. 28 (4), 539-544
Paragonimus uterobilateralis, P. africanaus, Macaca mulatta (exper.), serological changes (indirect hemagglutination, complement fixation, double gel diffusion), cross-reactions occurred but species could be differentiated by disc-electrophoresis; supplemented by parasitologic and radiologic observations of other authors

Immunity
Necator americanus, man (exper.), evaluation of antibody responses by enzyme-linked immunosorbent assay and by radio-allergo-sorbent technique

Immunity
Nippostrongylus brasiliensis-infected rats, peripheral blood leucocyte response with special reference to basophils and their possible role in worm expulsion

Immunity
nematodes of rodents, immune mechanisms involved in their regulation, review and possible implications for immunology of Strongyloides infections

Immunity
immunological consequences of nematode infection, review with emphasis on Nippostrongylus brasiliensis and Trichinella spiralis

Immunity
intestinal nematodes and coccidia compared in terms of host response and immunity, colloquium presentation

Immunity
nematode parasites with special reference to Ascaris, hookworms, and filariae, immunity, review

Immunity
Olubuenaga, S. E.; et al., 1979, Cellular Immun., v. 45 (1), 85-93
Trypanosoma cruzi, antibody-dependent cytolyis of epimastigotes by human polymorphonuclear leukocytes

Immunity
Strongyloides ratti, rats, primary and secondary infections, expulsion kinetics and intestinal mast cell counts, antithymocyte serum suppressed expulsion as well as intestinal mast cell and circulating eosinophil responses to primary infection

Immunity
Strongyloides ratti, rats, cortisone suppression both primary and secondary expulsion and reduced intestinal mast cell response but did not induce hyperinfection, capacity to expel worms was recovered less than 2 weeks after termination of cortisone administration

Immunity
Olson, L. J.; and Izzat, N. N., 1972, Immun. Animal Parasites, 223-234
immune response to tissue nematodes, review
Immunity

Osoba, D.; et al., 1979, Immunogenetics, v. 8 (4), 523-538
Plasmodium falciparum, humans, role of major histocompatibility complex in antibody response under natural conditions: Tanzania

Immunity

Toxoplasma gondii, non-immunized and immunized cats (primary oral infection followed by challenge), excretion of oocysts, and its role in epidemiology of toxoplasmosis; cats disseminate T. gondii mainly by remote and indirect transmission and overall pollution rather than by direct contact between cats and humans

Immunity

Owen, R. L.; Nemanic, P. C.; and Stevens, D. P., 1979, Gastroenterology, v. 76 (4), 757-769
Giardia muris in immunocompetent mice, intestinal distribution of trophozoites, attachment and relationships to intestinal mucosa (particularly Peyer's patches), normal reaction of intestine and intestinal immune organs; includes some incidental observations on Hexamita muris

Immunity

Palmer, T. T., 1978, J. Parasitol., v. 64 (3), 493-496
Plasmodium berghei, rats, effect of primary patent infection during pregnancy upon course of infection and humoral antibody response in offspring, passive transfer of protective antibody through milk, in utero sensitization by soluble malaria antigens may also exert protective effect

Immunity

Eimeria tenella, immunization and subsequent invasion, mitotic activity of thymus lymphocytes depressed, number of degenerative cell forms in thymus raised, changes correlated with increasing host age

Immunity

Eimeria tenella sporozoites in vitro, neutralized by immune serum and immune gammaglobulin, proof of specific antibodies in serum of immune birds

Immunity

Parrott, D. M. V.; et al., 1976, Agents and Actions, v. 6 (1-3), 32-39
Factors which determine accumulation of immunoblasts in gut and skin, includes results from Trichinella spiralis-infected mice

Immunity

Trichinella spiralis-infected mice, migration pathways of T lymphocytes in small intestine
Immunity
schistosomiasis, review of current evidence that both induction and amelioration of hepato-splenic disease are immunologically mediated

Immunity
Perez, H.; Arredondo, B.; and Gonzalez, M., 1978, Infect. and Immun., v. 22 (2), 301-307
Leishmania mexicana, 2 human strains (one from typical case of American cutaneous leishmaniasis and one from case of diffuse cutaneous leishmaniasis) in 2 strains of imbed mice, course of lesions, delayed hypersensitivity response, agglutinating antibodies, in vitro responses to leishmanial antigens and to mitogens, results show impaired immune response in BALB/c mice

Immunity
Perez, H.; Labrador, F.; and Torrealba, J. W., 1979, Internat. J. Parasitol., v. 9 (1), 27-32
Leishmania mexicana, variations in response of 5 strains of mice (course of infection, delayed type hypersensitivity response, humoral antibody production), crossing experiments between resistant and susceptible strains suggest that resistance is inherited as dominant character

Immunity
Trichinella spiralis, immune interaction between rat peritoneal cells (mostly macrophages and eosinophils) and parasite larvae, ultrastructural study

Immunity
Trichinella spiralis, mice, immunity against newborn larvae after previous oral infection, speculations about pattern of establishment of immune state

Immunity
Trichinella spiralis, primary and secondary infections with 50 larvae in mice genetically selected for high and low antibody production, differential response, implications for mechanism of resistance

Immunity
Pery, P.; et al., 1979, Ann. Immunol., v. 130C (4), 517-529
cytidine-5'-diphospho-choline conjugates, synthesis and fixation to phosphorylcholine-binding proteins (including to rabbit counter part of human C-reactive protein in sera of Nippostrongylus brasiliensis-immunized rabbits)

Immunity
Pery, P.; et al., 1979, Ann. Immunol., v. 130C (4), 531-540
cytidine-5'-diphospho-choline conjugates, immunogenicity in rats, protective activity against subsequent challenge with Nippostrongylus brasiliensis

Immunity
Pery, P.; and Luffau, G., 1979, Antigens (Sela), v. 5, 83-172
antigens of helminths, extensive review: immunity to helminths; pathophysiology of antigens; immunodiagnosis and immunoprevention

Immunity
effects of bovine pituitary growth hormone vs. Spirometra mansonioides plerocercoid growth factor on metabolism of lymphoid tissue (thymus and spleen) in diabetic-hypophysectomized rats

Immunity
Toxoplasma gondii, serologic data suggest that idiopathic inflammatory muscle disease is associated with recent active infection in certain patients, pathogenetic role of microorganism remains uncertain

Immunity
Phillips, S. M.; et al., 1978, Cellular Immunol., v. 38 (2), 225-238
Schistosoma mansoni, rats, development of optimal protective immunity following natural infections and artificial immunizations

Immunity
Phillips, S. M.; et al., 1978, Cellular Immunol., v. 38 (2), 239-254
Schistosoma mansoni, rats, prerequisite mechanisms whereby natural infection or artificial immunization lead to development of optimal protective immunity, in vivo and in vitro criteria of cellular and humoral immune reactivity evaluated

Immunity
schistosomiasis with emphasis on Schistosoma mansoni, immunologic aspects of host responses, extensive review: cellular and humoral immune response; immunopathology; eosinophils

Immunity
Schistosoma mansoni, brief synopsis of third annual informal Elvio H. Sadun Memorial Workshop on the Immunology of Schistosomiasis

Immunity
schistosomiasis, immunology, brief synopsis of fourth annual informal workshop

Immunity
Pickarski, G.; et al., 1978, Immun. u. Infekt., v. 6 (4), 153-159
Sarcocystis suihominis, medical students fed raw meat from experimentally infected pig, clinical, parasitological, and serological findings
Immunity
Brugia malayi, diethylcarbamabazine enhances antibody-mediated cellular adherence to microfilariae

Immunity
effective and ineffective immune responses to parasites, evidence from experimental models, review with emphasis on malaria and trypanosomiasis

Immunity
Plasmodium yoelii- or P. berghei-vaccinated mice, cell-mediated immunity in liver

Immunity
Ornithodoros papillipes, bacterial infection of 'brown bodies' enclosing nematodes in coelom of Aporrectodea trapezoides indicates that they are host capsules representing a highly successful defense response

Immunity
Rhabditis pellio, ultrastructure of 'brown bodies' enclosing nematodes in coelom of Aporrectodea trapezoides indicates that they are host capsules representing a highly successful defense response

Immunity
Romanonemmis culicivorax, immune responses of Culex territans and Aedes triseriatus

Immunity
Pollacco, S.; et al., 1978, Internat. J. Parasitol., v. 8 (6), 457-462
Mesocestoides corti, collagenous encapsulation of tetrathyridia in mouse liver, probably restricts parasite's multiplication, is a T-cell dependent process

Immunity
Poulter, L. W., 1979, Clin. and Exper. Immunol., v. 56 (1), 30-37
Leishmania enriettii, guinea pigs, kinetics and quality of acquired resistance in self-healing and metastatic cutaneous leishmaniasis

Immunity
clinical and experimental leishmaniasis, immunology, review

Immunity
Nematospiroides dubius in nude BALC/c mice, their intact larvae, and T cell-injected nude mice, results show that T cells play dominant role in development of full immunity, in granuloma formation, in worm expulsion, and in immunoglobulin responses

Immunity
Prowse, S. J.; et al., 1979, Parasite Immunol., v. 1 (4), 277-288
Nematospiroides dubius, 7 inbred strains of mice, differences in natural resistance to primary infection and in development of resistance to challenge infection, host sex differences, IgG1 and IgG2a concentrations

Immunity
Nematospiroides dubius, mice, one or more immunizing infections, development of immunity, absolute and differential cell levels in blood and peritoneum, serum concentrations of various immunoglobulin classes, results suggest that macrophages and eosinophils may play separate roles in immunity to this parasite

Immunity
Nematospiroides dubius, cuticle of infective 3rd stage larvae (L3) as well as post-infective and mature forms can activate serum complement via alternative pathway, adherence of mouse peritoneal exudate cells from immune mice to L3 promoted by either complement or antibody resulted in reduced larval infectivity

Immunity
Aplectana acuminata, tissue response in parasitized Bufo viridis, inflammatory granuloma as mechanical barrier to cellular damage: Bucharest
Immunity
Trichinella spiralis in germfree vs. conventional mice, intensity of infection (greater in conventional mice), elimination of adult worms (earlier and more complete in germfree mice), changes in packed cell volume and differential white blood cell counts, results indicate that size of infective dose, age of mice, and type of intestinal flora play role in establishment and elimination of intestinal trichinellae.

Immunity
Trichinella pseudospiralis, germfree and conventional mice, immunoglobulin and haemagglutinating antibody levels compared.

Immunity
Quinn, T. C.; and Wyler, D. J., 1979, J. Immunol., v. 123 (5), 2245-2249
Plasmodium berghei, rats, mechanisms of action of hyperimmune serum in mediating protective immunity.

Immunity
de Raadt, P., 1974, Ciba Found. Symp., n.s. (20), 199-224
African trypanosomiasis, immunity and antigenic variation, clinical observations suggestive of immune phenomena, review.

Immunity
Rajasekariah, G. R.; et al., 1979, Ztschr. Parasitenk., v. 58 (2), 175-180
Fasciola hepatica, unsuccessful attempts to immunise rats and mice by oral dosing with Taenia hydatigena eggs or by vaccination with various T. hydatigena antigen preparations, results suggest that mice and rats are inappropriate as models for investigating cross-immunity between these 2 species.

Immunity
Fasciola hepatica, rats, acquired immunity against different challenge doses of metacercariae, antibody responses following both primary and challenge infection.

Immunity
Fasciola hepatica, rats, effectiveness of different developmental stages of parasite in stimulating resistance to challenge infection, all implanted stages conferred significant degree of protection with the exception of adult worms.

Immunity
Rajasekariah, G. R.; and Howell, M. J., 1979, J. Parasitol., v. 65 (4), 481-487
Fasciola hepatica, rats, transfer of immunity by serum and cells from infected to naive animals, hematochemical and precipitating antibody responses of recipients.

Immunity
Ramalho-Pinto, F. J.; De Rossai, R.; and Smithers, S. R., 1979, Parasite Immunol., v. 1 (4), 295-308
Schistosoma mansoni, mice, anti-schistosomula antibodies and IgG subclasses involved in complement and eosinophil-mediated killing of schistosomula in vitro.

Immunity
Ramalho-Pinto, F. J.; Smithers, S. R.; and Playfair, J. H. L., 1979, J. Immunol., v. 123 (2), 507-514
Schistosoma mansoni, suppression of helper T cell response to TNP-schistosomula in rats and mice.

Immunity
Randolph, S. E., 1979, Parasitology, v. 79 (1), 141-156
Ioxodes trianguliceps, manifestations of acquired resistance in successive infestations of unnatural host (laboratory mice) but not of natural host (Apodemus sylvaticus), relevance to concept of host-parasite co-evolution and to tick population regulation.

Immunity
Trichobilharzia ocellata, reproductive success evaluated by passage of viable eggs by ducks exposed to initial and challenge infections, possible immunological basis for decline in egg production.

Immunity
Dictyocaulus filaria, sheep (exper.), serum 5-hydroxytryptamine level remains nearly the same throughout different stages of infection.

Immunity
Echinococcus or alveococcal antigen-antibody complexes used to immunize rabbits, resulting sera with broad specificity, useful for immunochromatographic analysis of echinococcal or alveococcal antigens.

Immunity
Plasmodium falciparum, inhibition of in vitro growth by immune serum and purified immunoglobulin from Aotus sp.
Immunity
Reid, W. M.; Anderson, W. I.; and McDougald, L. R., 1978, Avian Path., v. 7 (4), 569-576
Eimeria spp., turkey poultls, anticiocciudial protection and development of immunity while using monensin

Immunity
Toxoplasma gondii, immunity, review

Immunity
Anaplasma marginale, cattle, some long-lasting immunity persists after elimination of carrier status with oxytetracycline hydrochloride

Immunity
Echinococcus multilocularis, immunobiological host-parasite relationships, effect of complement, activation of macrophages and immuno-prophylaxis with BCG, review

Immunity
Reuben, J. M.; Tanner, C. E.; and Portelance, V., 1979, Infect. and Immun., v. 23 (3), 582-586
Echinococcus multilocularis, cotton rats, BCG cell walls are as effective in protecting against infection as the viable organism

Immunity
Reuben, J. M.; Tanner, C. E.; and Rau, M. E., 1978, Infect. and Immun., v. 21 (1), 135-159
Echinococcus multilocularis in Sigmodon hispidus, minimum effective immunoprophylactic dose of BCG which would not induce granulomas, protection coincided with general elevation of leukocytes especially cells of the monocyte/macrophage series, results support evidence for macrophage being principal potential effector cell in hydatid disease

Immunity
Rezai, H. R.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1079-1083
Kala-azar, children, serum immunoglobulin and complement levels, percentage of T and B cells, skin reactivity to Leishmania antigen

Immunity
Rhodes, M. B.; et al., 1978, Exper. Parasitol., v. 45 (2), 255-262
Ascaris suum-immunized pigs, specific antibodies in isolated intestinal loop washings, identification of other proteins present in these washings

Immunity
Riley, J.; James, J. L.; and Banaja, A. A., 1979, Parasitology, v. 78 (1), 53-66
Reighardia sertae, possible role of frontal and sub-parietal gland systems in evasion of host immune response, surface membrane system believed to be instrumental, related observations on Porocephalus crotali, parallels with situation of schistosome infections in mammals, alternative explanation of concomitant immunity

Immunity
Plasmodium yoelii in immunologically competent mice and mice with defined immunological deficiencies, results indicate that splenomegaly, enhanced phagocytosis, and anemia are thymus-dependent responses to malaria infection

Immunity
Plasmodium yoelii, B-cell deficient mice drug-rescued from otherwise lethal infections resisted subsequent challenge despite lack of detectable antibody

Immunity
Giardia muris, course of infection in inbred mouse strains and in nude mice, susceptibility to reinfection in inbred strains, cell and serum transfer studies in nude mice, small bowel morphology in infected mice, potential use of this Giardia model

Immunity
Robertson, D. A., 1979, J. Fish Dis., v. 2 (6), 481-491
Ichthyobodo necator on farmed salmonids, prevalence and intensity in relation to time, temperature, and host age; suggested that some form of host defense mechanism is operating: central Scotland

Immunity
Robinett, J. P.; and Rank, R. G., 1979, Infect. and Immun., v. 23 (2), 270-275
Trypanosoma musculi, mice, splenomegaly is T cell-dependent and is the result of proliferation of B and/or T lymphocytes
SUBJECT HEADINGS

Immunity
Romestand, B., 1979, Ann. Parasitol., v. 54 (4), 423-448
Cymothoidae of teleost fish, hematophagy, host immune response, biochemical, histological, haematological, and biometrical (growth) changes in infected hosts

Immunity
Anaplasma marginale, cattle (exper.), conglutinin, immunocoaglutinin, and complement levels in peracute and acute stages of infection, study of disease process, possible improvement of card agglutination test

Immunity
Immune response to Eimeria, review

Immunity
Rose, M. E.; et al., 1979, Parasite Immunol., v. 1 (2), 125-132
Eimeria nieschulzi, Nippostrongylus brasiliensis, failure of nude (athymic) rats to become resistant to reinfection

Immunity
Rose, M. E.; and Hesketh, P., 1979, Infect. and Immun., v. 26 (2), 630-637
Eimeria spp. infections in normal animals vs. in animals with functional deficiencies in either T-lymphocytes or B-lymphocytes

Immunity
Rose, M. E.; Hesketh, P.; and Ogilvie, B. M., 1979, Immunology, v. 36 (1), 71-79
Eimeria maxima, chickens, E. nieschulzi, rats, primary and secondary infections, E. maxima-immunized chickens challenged with E. acervulina: peripheral blood leucocyte response, correlation with resistance to reinfection

Immunity
Rose, M. L.; Parrott, D. M. V.; and Bruce, R. G., 1978, Immunology, v. 36 (2), 415-423
Mesenteric and peripheral T immunoblasts, migration followed in mice with multiple sites attractive to immunoblasts (including inflamed gut produced by Trichinella spiralis infection)

Immunity
Plasmodium berghei yoelli, mice, plaque-forming cell assays used to reveal pattern of both total and antigen-specific splenic B lymphocyte activation and to define antibody-erythrocytic autoimmune response, both responses shown to be T-cell dependent

Immunity
Babesia microti, mice suppressed for IgM production, resistance to infection as reflected by virtual absence of parasites in peripheral circulation

Immunity
Rothwell, T. L. W.; et al., 1978, Parasitology, v. 76 (2), 201-209
Trichostrongylus colubriformis, guinea pigs, establishment of two lines differing significantly in susceptibility to infection, difference probably based on genetically determined differences between ability of members of each line to bring about immune expulsion of parasite

Immunity
Rousseaux-Prevost, R.; et al., 1978, Immunology, v. 35 (1), 33-39
Schistosoma mansoni in 2 strains of rat, time course of occurrence of specific IgE antibodies, correlation with protective immunity

Immunity
Ruitenberg, E. J.; and Elgersma, A., 1979, Brit. J. Exper. Path., v. 60 (3), 246-251
Trichinella spiralis, mice, response of intestinal globule leucocytes during infection and its independence of intestinal mast cells

Immunity
Ruitenberg, E. J.; Elgersma, A.; and Kruizinga, W., 1979, Internat. Arch. Allergy and Applied Immunol., v. 60 (3), 302-309
Trichinella spiralis, rats, intestinal mast cells and globule leucocytes, role of thymus in their presence and proliferation

Immunity
Trichinella spiralis, rats, immune rejection of worms in secondary infections involves physiologically and presumably immunologically distinct 'early' and 'late' responses with each having different developmental stage of parasite as target, contrast with primary infection

Immunity
Trypanosoma cruzi, antibody production in mice inoculated with irradiated vs. non irradiated culture forms of parasite

Immunity
Eimeria tenella, one-day-old chicks, reliable immunity within 5-6 days after low initial dose of oocysts

Immunity
Trypanosoma cruzi, cytotoxicity of normal rat spleen cells to antibody-coated epimastigotes studied by assaying release of tritium-labelled RNA, DNA, and protein
Immunity

Immunity
Trypanosoma cruzi-infected mice inoculated with sheep red blood cells, alterations in immune response and their possible mechanisms

Immunity
Santoro, F.; et al., 1978, Infect. and Immun., v. 20 (2), 567-569
Trypanosoma cruzi, induction of capping in blood-stage trypomastigotes by human specific antibody

Immunity
Schumus, G. A.; et al., 1978, Infect. and Immun., v. 20 (2), 567-569
Trypanosoma cruzi, induction of capping in blood-stage trypomastigotes by human specific antibody

Immunity
Schistosoma mansoni-infected rats, detection of circulating schistosome antigens (CSA) and circulating immune complexes (CIC), possible role played by CIC in protective mechanisms to challenge infection

Immunity
Schistosoma mansoni, human, circulating antigens, antibodies, and immune complexes in milk from infected mothers

Immunity
Santoro, F.; Ouaissi, M. A.; and Capron, A., 1978, IRCS J. Med. Sc., v. 7 (11), 576
Schistosoma mansoni immature forms, surface receptors for complement (C1q and C3b) which disappear with development

Immunity
Sauvager, F.; and Fauconnier, B., 1978, Bio-medicine Express, v. 29 (6), 184-187
Plasmodium berghei, mice, protective effect of endogenous interferon in mouse malaria demonstrated by increase in death rate and in % parasitized erythrocytes in infected mice treated with anti-interferon globulins

Immunity
Trichinella spiralis, dogs, changes in intestinal motility are associated temporally with symptoms related to gastrointestinal tract, magnitude of change is inversely related to resistant state of host

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Trypanosoma cruzi-infected mice inoculated with sheep red blood cells, alterations in immune response and their possible mechanisms

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Trypanosoma cruzi, induction of capping in blood-stage trypomastigotes by human specific antibody
Immunity
Toxoplasma gondii, pregnant ewes (exper.), clinical manifestations, serology, microscopic and microscopic findings, histopathology

Immunity
Shechulin, P. I.; et al., 1979, Nauk SSSR, s. Biol. (1), 121-130
antigens of swine ascarids administered to three different strains of rat, differences in immune response

Immunity
Shear, H. L.; Nussenweig, R. S.; and Bianco, C., 1979, J. Exper. Med., v. 149 (6), 1288-1298
Plasmodium berghei-infected mice, phagocytosis of erythrocytes by spleen macrophages appears to be mediated by Ig on surface; other indications of spleen macrophage activation; phagocytosis inhibited later in infection by serum factors possibly immune complexes; high levels of anti-Forssman antibodies

Immunity
Schistosoma mansoni, mice, effector mechanisms in host response, review

Immunity
Schistosoma mansoni, schistosomula recovered from mice or cultured in presence of murine lymphoid cells express murine alloantigens among which are gene products of the murine major histocompatibility complex, biological significance unclear, possible role in evasion of immune response

Immunity
Toxoplasma gondii in vitro, mouse immune lymphocytes produce lymphokine which inhibits intracellular multiplication of parasite within nonimmune mouse macrophages; biological aspects; substance named Toxoplasma growth inhibitory factor (Toxo-GIF)

Immunity
Siddiqi, M. N.; and Meervitch, E., 1977, Pakistan J. Zool., v. 9 (1), 51-57
Trichinella spiralis, 3 newly isolated strains compared with classical strain during intestinal phase of infection in rats (moulting pattern, % recovery of adult worms, their size and sex ratio), significantly smaller size of worms in 3 new strains, inhibition of development expressed by host resistance as one of several possible causes

Immunity
Siebert, A. E., jr.; and Good, A. H., 1979, Exper. Parasitol., v. 48 (1), 164-174
Taenia crassiceps, effort of normal and immune serum on metacestodes in vitro

Immunity
Taenia crassiceps, mice, kinetics of primary and secondary infections, prior subcutaneous implantation of larvae stimulates immunity to larvae inoculated intraperitoneally, two distinct components in host response, reduction in host response associated with increased worm burdens may indicate possible

Immunity
Siebert, A. E., jr.; Good, A. H.; and Simmons, J. E., 1977, Internat. J. Parasit., v. 8 (1), 45-53
Taenia crassiceps, mice, ultrastructural aspects of early immune damage to metacestodes, tegument damage is attributed to complement-mediated lysis of outer tegument membrane and death of larvae probably results from loss of tegument function

Immunity
Silakova, L. N.; and Pustovgar, I. E., 1971, Parazitologiia, Leningrad, v. 5 (6), 539-541
Trichinella spiralis, 3 newly isolated strains compared with classical strain

Immunity
Taenia taeniaeformis cysticerci, albino rats found to be immune to superinfection

Immunity
Eimeria necatrix, different levels of infection, chicks, activity of decoquinate used prophylactically and therapeutically, effect on development of immunity

Immunity
Eimeria necatrix, different levels of infection, chicks, activity of amprolium used prophylactically and therapeutically, effect on development of immunity
Immunity
Eimeria tenella, chicks (exper.), amprolium provided better protection than codrinal, both drugs interfered to some extent with development of immunity

Immunity
Sinski, E., 1975, Acta Parasitol. Polon., v. 23 (41-51), 653-652
Ostertagia circumcincta, sheep, single and multiple infections, serum proteins, antibodies in serum and abomasal mucosa as determined with hemagglutination and precipitation tests

Immunity
Sirisinha, S., 1978, Southeast Asian J. Med., v. 9 (2), 142-152
Humoral immune response in parasitic infections, review

Immunity
Slutsky, G. M.; and Greenblatt, C. L., 1979, Biochem. Med., v. 21 (1), 70-77
Leishmania tropica, immunologically active factor from growth media, intact promastigotes, heavily infected macrophages, and amastigotes recovered from macrophage culture, analysis by SDS-polyacrylamide gel electrophoresis

Immunity
Trichonema spp., re-infection of mature (9 and 10 year old) parasite-free sensitized ponies, findings indicate development of strong resistance which may be partly associated with host age and demonstrate the pathogenesis of inhibited larvae which may be retained by resistant ponies for prolonged periods of time

Immunity
Smith, H. V.; Herbert, I. V.; and Davis, A. J., 1979, Immunology, v. 38 (4), 659-664
Haemoproteus rubidus, pigs, primary infection, numbers of immunoglobulin-positive cells in stomach

Immunity
Smith, H. V.; and Kusel, J. R., 1979, Clin. and Exper. Immunol., v. 36 (3), 450-455
Schistosoma mansoni, acquisition of antigens in intracellular substance of mouse skin by schistosomula

Immunity
Schistosoma mansoni, mice, wide variations in level of immunity to challenge infection are related to variation between different pools of cercariae rather than to variability in immune response of host

Immunity
Babesiosis, cattle, vaccination experiments to assess immunogenicity of and protection conferred by culture-derived Babesia bovis antigens against tick-borne infection

Immunity
Haemonchus contortus, sheep, immunization with irradiated larvae, resistance to challenge infection was associated with increased concentrations of IgG antibodies in serum as well as IgA and IgG antibodies in abomasal mucosa

Immunity
Smith, W. D.; and Christie, M. G., 1979, J. Comp. Path., v. 91 (1), 141-150
Haemonchus contortus, lambs (exper.), factors influencing degree of host resistance after immunization with attenuated larvae

Immunity
Schistosoma mansoni, concomitant immunity, response of host to schistosomular surface antigens, colloquium presentation

Immunity
Sarkovski, L. L.; Larson, C. L.; and Reed, S. G., 1979, Infect. and Immun., v. 25 (3), 1078-1080
Leishmania donovani, increased susceptibility in congenitally athymic mice, correlated with lack of Arthus and delayed type responses

Immunity
Sogandares-Bernal, F.; and Voge, M., 1978, J. Parasitol., v. 64 (4), 620-624
Mesococicoides corti from infected mice or maintained in culture medium and then exposed to immune mouse serum, 7S 2'2 antibodies found attached to body surfaces and wall of excretory bladder of tetrahyridia

Immunity
Song, M.; and Di Luzio, N. R., 1979, Lysosomes Applied Biol. and Therap., v. 6, 533-547
Yeast glucan and immunotherapy of infectious diseases, review including section on Plasmodium berghei

Immunity
Immunological methods in helminthology, review

Immunity
Souza, M. do C., 1974, Rev. Patol. Trop., v. 3 (3), 291-332
Leptomonas pessoi, antigenic relationships with other trypanosomatids, cross-protection of mice against Trypanosoma cruzi
Immunity

Plasmodium falciparum, P. vivax, human (Duffy blood group positive and negative, black and white), indirect fluorescent antibody titers, slide-demonstrated infection rates, Duffy negative genotype appears to be factor in resistance to P. vivax: Honduras

Immunity

Strongyloides papillosus, sheep, complement fixing and precipitating antibodies after infection and re-infections

Immunity

Trichinella spiralis, cell adherence reactions to infective larvae in presence of serum

Immunity

Steelman, S. L.; et al., 1971, Recent Progr. Hormone Research, v. 27, 97-120
Spirometra mansonoides, comparative study of sparganum growth factor (SGF) and growth hormone: growth-promoting properties, metabolic actions on bone and protein synthesis, effects on carbohydrate and lipid metabolism, source and physicochemical properties of SGF, development of resistance to SGF (result of neutralizing antibodies)

Immunity

Stein, P. C.; and Basch, P. F., 1979, J. Invert. Path., v. 33 (1), 10-18
Biomphalaria glabrata, purification of hemagglutinin from hemolymph, albumin glands, and egg masses, binding to Schistosoma mansoni larval stages in vitro and in vivo

Immunity

Stemberger, H., 1978, Immun. u. Infekt., v. 6 (2), 71-78
E[namoeba] histolytica, investigation of cytolytic action of antibody, complement, and normal human peripheral blood lymphocytes as well as action of peripheral blood lymphocytes from donor with amoebic liver abscess

Immunity

Stevens, D. P.; Frank, D. M.; and Mahmoud, A. A. F., 1978, J. Immunol., v. 120 (2), 680-682
Giardia muris in nude mice, demonstration of persistent infection and failure to acquire demonstrable resistance to subsequent challenge

Immunity

malaria, immunoglobulins and antimalarial antibodies in haemoglobin AC individuals, little difference from rest of population except for higher IgG levels, suggests that haemoglobin C gene's geographical relationship to malaria may be coincidence: Sudan savanna of Nigeria

Immunity

Strickland, G. T., 1978, Tropenmed. u. Parasitol., v. 29 (2), 198-203
Plasmodium-infected humans, sera are mitogenic for mouse splenic lymphocytes and interfere with indirect hemagglutination test for lipid-A antibodies

Immunity

Strickland, G. T.; DeSilva, S.; and Sayles, P. C., 1979, Tropenmed. u. Parasitol., v. 30 (1), 35-42
Plasmodium yoelii infection in mice and P. falciparum and P. vivax infection in humans, changes in lymphocyte populations during acute infections thought to be related to development of malarial immunity and immunodepression

Immunity

Stromberg, B. E., 1979, Immunology, v. 38 (3), 489-495
Ascaris suum, new allergen (ACF antigen) obtained from developing larvae maintained in chemically defined culture medium, production of IgE and IgG1 antibodies in guinea-pigs, importance of route of administration

Immunity

Wuchereria bancrofti, adhesion of peripheral blood leukocytes (PBL) to microfilariae (MF) in vitro promoted by sera from elephantiasis cases or from normal persons living in endemic areas for several years but not by sera from MF carriers or from normal subjects from nonendemic areas, adhesion was complement independent and associated with IgG fraction, studies suggest occurrence of IgM, production of cytotoxicity to MF in presence of elephantiasis serum, Litomosoides carinii MF adhered to human PBL or rat spleen cells in presence of serum or its IgG fraction from elephantiasis patients

Immunity

Suewara, M.; and Ishizaka, K., 1979, J. Immunol., v. 123 (2), 918-924
Nippostrongylus brasiliensis, potentiation of IgE response in vitro by T cells from infected rats

Immunity

Nippostrongylus brasiliensis, development of IgE-forming cells in vitro from rat mesenteric lymph node cells

Immunity

Sullivan, J. T.; and Palmieri, J. R., 1978, J. Parasitol., v. 64 (5), 939-940
Echinostoma malayanum, infection rate of Indoplanorbis exustus (exper.) decreased as shell diameter increased, cause of relative nonsusceptibility of large snails not known
Immunity
Dirofilaria immitis incubated in dog blood, ability of antibody-enzyme conjugates to specifically kill microfilariae, conjugates shown to attach to parasite surfaces, attachment inhibited by soluble D. immitis antigens indicate that immunologically specific reaction involved

Immunity
Boophilus microplus on previously unexposed "naive" Bos taurus and Bos indicus, tick survival at various levels of infestation, results indicate that density-dependent tick mortality is attributable mainly to acquired host resistance rather than to crowding

Immunity
Acquired platelet dysfunction with eosinophilia, children, postulation on possible relationships of intestinal parasites and host defense mechanism

Immunity
Dictyocaulus viviparus, calves, four age groups, double immunization, challenged one month later, course of defence reaction

Immunity
Dictyocaulus filaria did not develop to sexual maturity in calves but in some circumstances provided weak resistance to challenge with D. viviparus, 1000 larvae given to calves under 3 months of age provoked symptoms of clinical dictyocaulosis, serological findings indicate differences in antigen structure of the 2 species

Immunity
Hymenolepis diminuta, lack of protective immunity in rats following immunization with increasing doses of oncospheres, cysticercoids, and mature Hymenolepis homogenates

Immunity
Schistosoma mansoni, prenatal sensitization to schistosomal antigen in children born to infected mothers

Immunity
Trypanosoma gambiense, neonatal rats receiving antibodies from female, protective, agnating, and phagocytosis-promoting characteristics of sera

Immunity
Ascaris suum, eosinophil chemotactic factor of parasite (ECF-P), isolation, characterization, not identical to Ascaris antigens, neutrophil chemotactic factor also present in Ascaris extract is separable from ECF-P

Immunity
Trichinella spiralis, susceptibility of several inbred lines of mice differing at the H-2 histocompatibility locus, no significant differences found in level of infection between any of the different mouse strains used, results suggest that intensity of infections with T. spiralis is probably not controlled by genes of the H-2 region

Immunity
Trichinella spiralis infection causes dramatic changes in mouse's thymic, splenic, and lymph node cell populations, suggested that these phenomena contribute to the immunosuppression which is characteristic of T. spiralis infection

Immunity
Tavares, C. A. P.; et al., 1978, Exper. Parasitol., v. 46 [1], 113-115.
Schistosoma mansoni, complement-mediated cytotoxic activity in vitro and effect of complementation on acquired immunity in mice, results strongly suggest that complement system is one of effector mechanisms in concomitant immunity in schistosomiasis

Immunity
Schistosoma mansoni, evidence for role of serum factors in protecting artificially transformed schistosomula against antibody-mediated killing in vitro

Immunity
Trypanosoma cruzi, children with apparent vs. inapparent acute Chagas' disease, clinical and laboratory findings, humoral antibody response, delayed-type skin responses, inhibition of leukocyte migration, serum proteins and immunoglobulins; demonstration of cell-mediated immunodepression in inapparent acute disease

Immunity
Chagas' disease, serum antibody titers, delayed skin response, inhibition of leukocyte migration by Trypanosoma cruzi antigen and by cross-reactive heart cell antigen, cytotoxicity of sensitized T-lymphocytes to parasitized human heart cells

Immunity
African trypanosomiasis, immunity, review
Immunity
Terziiski, A.; and Dragneva, N., 1976, Khe
mintologia, Sofiia, v. 1, 99-104
Ascaris suum, guinea pigs, immunization per
os and parenterally, comparison of host
response, results suggest that not serum
antibodies but other antibodies (IgA) or
other mechanisms play essential role in
oral immunization with Ascaris antigen

Immunity
Tewari, H. C.; and Singh, (Kr.) S., 1979, In
dian J. Animal Sc., v. 49 (8), 645-645
Schistosoma incognitum miracidia, effects of
normal and immune sera and of complement

Immunity
503-522
rabbit's appendix, immunological model applied
to study of epithelial immunity, including
that against coccidiosis

Immunity
n.s., v. 51 (2), 211-216
Coccidiosis, rabbit, mechanism of epithelial
immunity in caecal appendix

Immunity
Thompson, R. C. A.; and Penhale, W. J., 1978,
Ztschr. Parasitenk., v. 56 (2), 195-203
Mesocestoides corti tetrathyridia, mice given
BCG, either enhancement or inhibition of
parasite proliferation, depending upon BHC
dosage level and time interval between dosage
and parasite challenge, possible reasons for
both effects

Immunity
and Hyg., v. 27 (2, pt. 1), 238-240
Naegleria fowleri, mice immunized with live
parasites by intraperitoneal injection were
found to be more resistant to subsequent
intranasal challenge

Immunity
Med. and Hyg., v. 72 (6), 650-652
Naegleria fowleri, mice immunized with live
organisms acquire resistance to challenge,
protective immunity can be transferred by
immune serum but not by immune cells, mecha-
nism of this immunity unknown

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Plasmodium chabaudi, Babesia rodhaini, rats,
serologic specificity of immunocconglutinin
associated with infectious anemia and its
role in nonspecific acquired resistance

Immunity
Thorne, K. J. I.; et al., 1979, Parasitology,
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Trypanosoma dionisi, phagocytosis and
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and monocytes, importance of specific anti-
senin in this system

Immunity
Thorne, K. J. I.; Svvennsen, R. J.; and Franks,
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Trypanosoma dionisii, cytotoxicity of granulo-
cytes and lymphocytes to antibody-coated
parasites, granulocytes (and probably also
lymphocytes) kill the parasite with hydrogen
peroxide by a peroxidase-mediated reaction

Immunity
Todd, A. C.; et al., 1978, Mod. Vet. Pract.,
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subclinical parasitism in dairy and beef
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Immunity
Torpier, G.; Capron, A.; and Ouaissi, M. A.,
Schistosoma mansoni, receptor for IgG(Fc) and
human F2-microglobulin on schistosomula

Immunity
Torpier, G.; Ouaissi, M. A.; and Capron, A.,
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Schistosoma mansoni, immune-induced membrane
alterations, freeze-fracture study, comple-
ment-dependent damage in presence of antiserum
to host antigenic determinants

Immunity
Torres-Rodriguez, J. M.; and Wisnivesky, C.,
Echinococcus granulosus, mice (exp.),
kinetics of serological response, immuno-
electrophoresis, double diffusion, latex
agglutination, and passive hemagglutination

Immunity
Toshkov, A.; et al., 1978, Ztschr. Parasitenk.,
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Trichinella spiralis in rats (exp.) in-
ected 20 days later with Erysipelothrix
rhuisiopathiae, clinical and pathoanatomic
changes in joints, immunological features

Immunity
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Med. Vet. Pays Trop., n. s., v. 51 (3), 295-
315
Trypanosoma vivax, T. congolense, zebu and
N'Dama cattle, pathology compared, N'Dama
not as susceptible as zebu and some dis-
played a remarkable immunity: Missira, Sen-
egal

Immunity
Trangle, K. L.; et al., 1979, Parasite Immu-
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Schistosoma mansoni, S. haematobium, school
children, prevalence and severity of infec-
tion in relation to blood group type and
ability to secrete blood group antigens:
Swaziland

Immunity
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Schistosoma mansoni, nude mice injected with
BCG decreased recovery of pulmonary schisto-
omules compared to non-injected controls
Immunity
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Schistosoma mansoni, mice, nonspecific resistance after injection or reinjection of BCG

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immune functions of the spleen, includes information on malaria with special reference to Plasmodium inui in rhesus monkeys

Immunity
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Trypanosoma cruzi (Brazil strain), characteristics of resistant and susceptible strains of mice following challenge, results suggest a necessary association of natural resistance with the immune response, principal genetic determinant of resistance is not associated with H-2 haplotype

Immunity
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Trichinella spiralis, infected mice, mice immunized with metabolic antigens, mice immunized and then infected, kinetics of intestinal cell response (mast cells, leukocytes, polymorphonuclear eosinophils)

Immunity
Babesia bovis, susceptible cattle of different ages, innate immunity, aged cattle highly susceptible compared to other groups aged up to 2 years, animals of all ages had solid resistance to subsequent heterologous challenge

Immunity
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infectious diseases including leishmaniasis and Chagas' disease, evidence for immunological basis of spectra of clinical manifestations, review

Immunity
Ascaris lumbricoides, Necator americanus, non-specific potentiation of IgE by parasitic infections in man

Immunity
mixed coccidial infection, pig, first infection did not confer any immunity, pig became resistant to challenge after second infection

Immunity
Nippostrongylus brasiliensis-infected rats, effector mechanisms of IgE-B cell-generating factor

Immunity
Nippostrongylus brasiliensis-infected rats, source of IgE-B cell-generating factor

Immunity
Vadas, M. A.; et al., 1979, J. Immunol., v. 122 (4), 1228-1236
Schistosoma mansoni, new method for purification of human eosinophils and neutrophils, comparison of ability of these cells to damage Schistosomula

Immunity
Schistosoma mansoni, major histocompatibility complex products restrict adherence of cytolytic T lymphocytes to minor histocompatibility antigens or to trinitrophenyl determinants on Schistosomula

Immunity
immunology of nematode infections, review, extensive bibliography of early literature on immunity

Immunity
Trypanosoma brucei, blood incubation infectivity test, influence of several factors on process of lysis and neutralization of T. brucei in human serum

Immunity
Trypanosoma brucei rhodesiense, serum- incubation infectivity-tests on clone populations of distinct antigenic types

Immunity
isolation of rabbit IgM in high yield by convenient procedure using serum from Trypanosoma equiperdum-infected animals

Immunity
Vardhani, V.; and Johri, G. N., 1979, J. Helminth., v. 53 (1), 35-39
Ancylostoma caninum, mice, single and multiple infections, intestinal mast cell populations, effect of dose and host sex

Immunity
Vinayak, V. K.; et al., 1979, J. Parasitol., v. 65 (3), 407
Macaca mulatta naturally infected with ameba morphologically indistinguishable from Entamoeba histolytica, indirect hemagglutination titers to antigens from Entamoeba histolytica and from ameba of Macaca mulatta

Immunity
Trypanosoma equiperdum, mice, protective and synergistic effects of concurrent infection with Trichinella spiralis
SUBJECT HEADINGS

Immunity
- genetic control of susceptibility and resistance to parasitic infection, review

Immunity
- immunity to intestinal parasites, review

Immunity
Wakelin, D.; and Wilson, N. M., 1979, Immunology, v. 37 (1), 103-109
- Trichinella spiralis, mice, transfer of immunity with enriched T- and B-cell populations

Immunity
Wakelin, D.; and Wilson, N. M., 1979, Exper. Parasitol., v. 45 (2), 241-246
- Trichinella spiralis, immunity and inflammation in expulsion of transplanted adult worms from mice

Immunity
- Encephalitozoon cuniculi, rabbits, humoral immune response following different routes of infection, India-ink immunoreaction test, indirect immunofluorescent antibody test, and immunodiffusion test, immunoglobulin classes involved, possible use of results in eradication program

Immunity
Walls, R. S., 1976, South African Med. J., v. 50 (34), 1513-1518
- soluble antigen derived from body fluid of Ascaris lumbricoides injected into mice to examine specificity of eosinophilic response, specificity demonstrated in primed lymphoid cells, evidence suggests that these lymphocytes are T cells

Immunity
- Schistosoma mansoni, Trichinella spiralis, biology of natural infections within mammalian host, antigens produced by different parasite stages, host immunological responses to these antigens in vivo and in vitro, consequences to host in terms of both immunity and immunopathology, colloquium presentation

Immunity
- Schistosoma japonicum egg granuloma, cellular composition, size, immunologic components, differences from S. mansoni

Immunity
Wasson, D. L.; David, C. S.; and Gleich, G. J., 1979, Immunogenetics, v. 9 (4-5), 491-496
- Trichinella spiralis, genes within major histocompatibility complex influence susceptibility to infection in the mouse

Immunity
- Nippostrongylus brasiliensis, suppression of IgE antibody production in SJL mice, nonspecific suppressor T cells, characteristic of low and transient IgE antibody response in SJL mice is inherited as recessive trait controlled by single Mendelian autosomal gene and is not linked to H-2 gene complex

Immunity
Watanabe, N.; and Ovary, Z., 1977, J. Exper. Med., v. 145 (6), 1501-1510
- Nippostrongylus brasiliensis, suppression of IgE antibody production in SJL mice, characterization of suppressor substance extracted from normal SJL spleen cells

Immunity
- Schistosoma mansoni, tegument pathology following chemotherapy with 153C51, lysosomal involvement (accumulation of inclusions with characteristics of residual lysosomes, changes in localization of acid phosphatase), immunological factors probably not involved

Immunity
- immune response of fowl, function of humera of Fabricius and thymus, review

Immunity
- Plasmodium vivax infection in mice followed by either one or repeated infections with P. berghei, induction of chronic malaria, course of parasitemia, fluctuations in reticulocyte levels, antibody titres, immunoglobulin deposition in tissues, changes in spleen and liver

Immunity
Weinbaum, F. I.; et al., 1978, J. Immunol., v. 121 (2), 629-636
- Plasmodium berghei yoelii (substrain 17% nonlethal) in BALC/c mice, kinetics of various specific and nonspecific cellular and humoral responses during course of infection

Immunity
Weiner, D. J.; and Soulshy, E. J. L., 1978, Exper. Parasitol., v. 45 (2), 241-246
- Litomosoides carinii, effects of splenectomy on ability of naive Mastomys natalensis to accept transplanted adult nematodes, results show that spleen plays important role in rejection phenomenon
INDEX-CATALOGUE OF MEDICAL AND VETERINARY ZOOLOGY

Immunity
Plasmodium berghei in splenectomized and/or spleen-transposed gerbils and rats, course of infection, histological findings in liver and spleen, specific arming of macrophages

Immunity
Dipetalonema viteae in 2 strains of hamster, lymphocyte blastogenesis (during different stages of primary infection, after injection of dead larvae, after implantation of adult worms, in mixed infection with Schistosoma mansoni), attempt to relate results with parasitological findings and with humoral immune response, analysis of cellular unresponsiveness to filarial antigens in chronically infected LAKZ hamsters

Immunity
Wellde, B. T.; et al., 1978, Exper. Parasitol., v. 45 (1), 26-33
Trypanosoma conglolense, cattle (exper.), thrombocytopenia, effects of parasite concentration, curative berenil therapy, and immune status on thrombocyte levels; coagulation abnormalities

Immunity
Wellde, B. T.; and Diggs, C. L., 1978, Exper. Parasitol., v. 44 (2), 197-201
Plasmodium berghei, mice, antiserum treatment of infections resulted in population of parasites with altered antiserum susceptibility and virulence

Immunity
Importance of local immunity in enteric infection, coloquium presentation with brief mention of Eimeria tenella

Immunity
Plasmodium falciparum- and P. vivax-infected Thai adults, loss of circulating T lymphocytes with normal levels of B and 'null' lymphocytes

Immunity
Wenk, F.; and Illgen, B., 1979, Naturwissenschaften, v. 66 (12), 626-628
Litomosoides carinii, neutralization of immunity against microfilariae, in vitro studies

Immunity
Toxoplasma gondii, mice, incidence in peripheral blood following primary and secondary infections, infection immunity does not protect against reinfection

Immunity
Toxoplasma gondii, mice, incidence in peripheral blood following primary and secondary infections, infection immunity does not protect against reinfection

Immunity
Wilson, E. J.; Krahenbuhl, J. L.; and Remington, J. S., 1979, Immunology, v. 36 (3), 479-485
Trichinella spiralis-infected mice, peritoneal macrophage kinetics and function, 'activated' macrophages were able to inhibit and kill tumor cells but not to inhibit intracellular multiplication of Toxoplasma gondii

Toxoplasma gondii, placental transmission in immunised pregnant mice and rabbits, dependent on various factors (host species, state of immunity, Toxoplasma strain); roles of cellular immune defense discussed

Immunity
Oncocerca volvulus, humans, epidemiologic survey, parasitological, ophthalmological and immunological aspects: Lusambo, Kasai Oriental, Zaire

Immunity
Dermacentor andersoni, C4-deficient guinea pigs with total deficiency in classical pathway of complement activation but with intact alternate pathway display tick resistance after one infestation

Immunity
Schistosoma haematobium, children, 4-year study of egg counts, variations with age and with season, significant degree of stability of individual counts relative to those of group as whole, immunity as possible regulating factor: The Gambia

Immunity
Toxoplasma gondii, mice, genetic control of resistance, data demonstrate that murine susceptibility to T. gondii is under multi-geneic control with at least one of genes linked to H-2 locus and different mechanisms of action are suggested for some of infection susceptibility genes because of phenomenon of genetic complementarity

Immunity
Williams, J. F., 1979, J. Parasitol., v. 65 (3), 337-349
Recent advances in immunology of cestode infections

Immunity
Anaplasma marginale, Bos indicus cross steers (exper.), effects of reduced energy intake on humoral antibody response, parasitaemia, body weight, packed cell volumes, and plasma protein values

Immunity
Circulating antigens of parasites, source, nature, fate, and possible effects on immune response, colloquium presentation
Imagery

Wong, E. J.; and Remington, J. S., 1978, Infect. and Immun., v. 21 (2), 398-404
Trichinella spiralis infections in mice with normal macrophages and in mice with macrophages activated by either chronic Toxoplasma gondii or acute Listeria monocytogenes infections, results suggest role for activated macrophages in resistance to T. spiralis

Immunology

Dirofilaria immitis, dogs (exper.) without microfilaraemia, indirect fluorescent antibody titers, degree of eosinophilia, and radiologic findings before and after treatment, reinfection, necropsy findings, significance of tests, application to diagnosis

Immunity

Naegleria, possible cause of rheumatoid disease and many human cancers through chronic antigenic stimulation by the Naegleria, review of new medical concept

Immunology

Wyler, D. J.; Herrold, H. G.; and Weinbaum, F. I., 1979, Infect. and Immun., v. 24 (1), 106-110
Plasmodium falciparum, response of sensitized and unsensitized human lymphocyte subpopulations to malaria antigen

Immunity

Wyler, D. J.; Oppenheim, J. J.; and Koontz, L. C., 1979, Infect. and Immun., v. 24 (1), 151-159
Plasmodium berghei, F. yoelii, mice, effects of infection on ability of adherent mononuclear cells to elaborate soluble mediators that regulate lymphocyte activation in vitro

Immunity

Trypanosoma evansi, dogs (exper.), changes in peripheral blood T- and B-lymphocytes

Immunology

Human toxoplasmosis, high percentage of false positive results in immunofluorescence detection of IgM anti-Toxoplasma antibodies when serum used for test also contains rheumatoid factor

Immunology

Angiostrongylus cantonensis in 8 strains of inbred rats, occurrence of acquired resistance, kinetics of humoral immune response (reaginic and indirect hemagglutination antibody response)

Immunology

Yoshino, T. P.; and Cheng, T. C., 1978, J. Parasitol., v. 64 (6), 752-754
Schistosoma mansoni, newly hatched miracidia possess surface membrane-associated determinants that are antigenically similar to macromolecular component(s) of Biomphalaria glabrata hemolymph

Immunology

Toxoplasma gondii, rabbits, humoral and cellular immune response in different stages of pregnancy, no evidence that this immune response has any protective effect on foetus

Immunology

Zwisler, O., 1977, Ztschr. Parasitenk., v. 52 (1), 1-10
Parasitic infections, immunological reactions, immunological complexes, complement, IgE, cell-mediated immunity, antigenic behavior of parasites, review

Immunology, Agglutination

echinococcosis, cattle, swine, diagnosis by latex agglutination, immunodiffusion, and Casoni skin test compared

Immunology, Agglutination

Toxoplasma gondii, humans, agglutinotest compared with indirect immunofluorescence, agglutinotest not satisfactory

Immunology, Agglutination

Serodiagnostic tests for Chagas disease performed on sera of patients with visceral leishmaniasis gave positive results with several immunologic methods, indicates "group-reactions" within Trypanosomatidae
Immunity, Agglutination
malaria, diagnosis and seroepidemiologic study by immunofluorescence, indirect hemagglutination, and immunoenzymology, brief symposium presentation

Immunity, Agglutination
Toxoplasma gondii, Entamoeba histolytica, Trichinella spiralis, Echinococcus granulosus, human, diagnosis by enzyme-linked immunosorbent assay with a modified micro-method, parallel study by comparative serological tests

Immunity, Agglutination
Trypanosoma cruzi, acute infection in mice, circulating antigens capable of reacting against mouse serum in complement fixation and counterimmunoelectrophoresis tests but not in haemagglutination test

Immunity, Agglutination
Banerjee, D. P.; et al., 1978, Trop. Animal Health and Prod., v. 10 (2), 83-86
Anaplasma marginale, cattle, diagnosis, tube agglutination test, use of spleen antigen of infected calf

Immunity, Agglutination
Barbosa, W.; et al., 1974, Rev. Patol. Trop., v. 5 (3), 263-268
Trypanosoma cruzi, diagnosis, sera from persons known to be infected, comparison of test results using counterimmunoelectrophoresis, hemagglutination, fluorescent antibody and complement fixation

Immunity, Agglutination
Barbour, A. G.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 94-100
Echinococcus granulosus, humans, prevalence by age, sex, dog ownership, extent of sheep raising, and infected dog exposure, efficacy of intradermal, indirect hemagglutination, and bentonite flocculation tests for screening: Utah

Immunity, Agglutination
Trypanosoma cruzi, human acute and chronic forms, comparison of diagnosis by latex agglutination and by immunofluorescence

Immunity, Agglutination
Trypanosoma cruzi, humans, comparison of complement fixation and latex agglutination tests for immunodiagnosis of hospitalized patients and for epidemiologic surveys

Immunity, Agglutination
Trypanosoma cruzi, hemagglutination test, serum from persons with chronic infections, antigens purified by alcohol-ether, acetone-butanol and with known protein content compared with those obtained from culture forms lysed in distilled water
Subject Headings

Immunity, Agglutination

Beach, P. G., 1979, J. Infect. Dis., v. 140 (5), 780-783
Toxoplasma gondii antibody prevalence in pregnant women, indirect haemagglutination test acceptable for mass screening, comparison with methylene blue dye test and indirect fluorescent antibody test: Oregon

Immunity, Agglutination

Ascaris suum, swine, diagnosis of migratory phase, indirect haemagglutination reaction and latex-fixation test compared

Immunity, Agglutination

Bhopale, M. K.; and Kamath, V. R., 1979, J. Helminth., v. 53 (3), 252-254
Ancylostoma caninum, mice, single and repeated infections, haemagglutination test, evidence of presence of antibodies in serum and intestinal tissue

Immunity, Agglutination

Bokhour, B. A.; Boon, J. H.; and Hendriks, J., 1979, Vet. Quart., v. 1 (4), 195-203
Dictyocaulus viviparus, calves, indirect haemagglutination vs. clinical exam for diagnosis, results indicate IHA offers good possibilities

Immunity, Agglutination

Trypanosoma cruzi, evaluation of specificity and sensitivity of the direct agglutination test for diagnostic purposes in a non-endemic area, complement fixation and indirect haemagglutination tests used for comparison; when used with the addition of 2-mercaptoethanol in serum samples direct agglutination proved useful for screening in blood banks and for epidemiologic surveys

Immunity, Agglutination

African trypanosomiasis, humans, capillary tube indirect hemagglutination test, useful diagnostic tool for field surveys

Immunity, Agglutination

Ascaris suum, pigs, indirect haemagglutination test to diagnose migratory phase, antigens from invasive larval stage have higher serological activity than those from sexually mature stages

Immunity, Agglutination

Brindle, V.; Letarte, R.; and Gagnon, J., 1979, Canad. J. Microbiol., v. 25 (6), 786-789
Fasciola hepatica, hemagglutination titers in Alces americana: Province of Quebec, Canada

Immunity, Agglutination

Echinococcus granulosus, humans, comparison of immunoelectrophoresis, latex agglutination and indirect hemagglutination for diagnostic purposes

Immunity, Agglutination

Trypanosoma cruzi, human, hemagglutination test with chromium chloride, formalin-treated human erythrocytes evaluated for diagnostic purposes

Immunity, Agglutination

Trypanosoma cruzi, human, comparative serologic diagnosis, complement fixation, immunofluorescence, hemagglutination, flocculation tests

Immunity, Agglutination

Toxoplasma gondii, human congenital, significance of different diagnostic tests in screening for inapparent infections, serologic tests and serologic patterns in mothers and children studied

Immunity, Agglutination

Trypanosoma cruzi, humans, freeze-dried reagent used with hemagglutination test evaluated, compared with complement fixation, preserved reagent found to be sensitive, specific and reliable

Immunity, Agglutination

Trypanosoma cruzi, aldehyde-preserved human erythrocytes used with the hemagglutination test, practical diagnostic test for routine purposes

Immunity, Agglutination

Trypanosoma cruzi, I.M.T.-Chagas flocculation test evaluated, compared with complement fixation, hemagglutination and immunofluorescence test results

Immunity, Agglutination

Toxoplasmosis, humans with recently acquired infections, transitional serological patterns and evolution of antibodies studied comparing hemagglutination, complement fixation and immunofluorescence tests

Immunity, Agglutination

Toxoplasma gondii, comparative study of hemagglutination, complement fixation, IgG and IgM-immunofluorescence tests on human serum samples

Immunity, Agglutination

Toxoplasmosis, humans, diagnosis, early and late peaks in hemagglutination titers separated by paradoxically low values
Immunity, Agglutination
Entamoeba histolytica, Toxoplasma gondii, humans, serological survey using indirect hemagglutination test, prevalence of antibody titers by host age, sex, and village (altitude): Malili area, South Sulawesi, Indonesia

Immunity, Agglutination
Plasmodium gallinaceum-parasitised chicken erythrocytes used in a practical hemagglutination test for IgM antibodies in human malaria, useful complementary tool for seroepidemiologic studies

Immunity, Agglutination
Trypanosoma cruzi, human, acute disease, 2-year longitudinal study, comparison of results of complement fixation, hemagglutination and fluorescent antibody tests, with and without Bay 2502 treatment

Immunity, Agglutination
Chen, S. N.; et al., 1974, Taiwan J. Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 73 (6), 392-397
Toxoplasma gondii, prevalence in cord blood specimens surveyed using indirect hemagglutination test, antibodies confirmed in sera by the indirect fluorescent antibody test: Taiwan

Immunity, Agglutination
Chen, S. N.; and Suzuki, T., 1974, Taiwan J. Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 73 (7), 393-400
Angiostrongylus cantonensis, rats and rabbits (both exper.), fluorescent antibody vs. indirect hemagglutination test for diagnosis

Immunity, Agglutination
Chen, S. N.; and Liu, K. H., 1973, Taiwan J. Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 72 (3), 161-166
Angiostrongylus cantonensis, detection of antigen and antibody in serum and cerebrospinal fluid of exper. infected Macaca cyclops, possible use in detecting human infection

Immunity, Agglutination
Toxoplasma gondii, human, diagnosis, evaluation of direct agglutination test, less useful than the indirect fluorescent antibody test

Immunity, Agglutination
Echinococcus granulosus, humans, double diffusion test for detection of antibodies against 5 antigens, comparison with immuno-electrophoresis and latex agglutination

Immunity, Agglutination
Contreras, M. del C.; et al., 1978, Bol. Chile. Parasitol., v. 33 (5-4), 53-56
human hydatidosis, diagnosis, indirect hemagglutination test

Immunity, Agglutination
Cruz, A. M. R.; et al., 1978, Rev. Portug. Farm., v. 18 (2), 123-126
Toxoplasma gondii, human, diagnosis, direct agglutination

Immunity, Agglutination
Entamoeba histolytica, infected patients from 3 geographic areas, results of latex agglutination and agar gel diffusion tests in patients with symptoms vs. those without symptoms: Brazil

Immunity, Agglutination
Schistosoma mansoni-infected hamsters, indirect haemagglutination reaction detected circulating anodic antigen in sera and in immune complexes isolated from these sera, but never in sera from human infections

Immunity, Agglutination
amebiasis, new methods of diagnosis and treatment with emphasis on the indirect hemagglutination test and metronidazole

Immunity, Agglutination
Angiostrongylus cantonensis, rats (exper.) humoral and cell-mediated immune responses to somatic and metabolic antigens analyzed using hemaggulination, macrophage migration inhibition, and cutaneous hypersensitivity tests

Immunity, Agglutination
Schistosoma mansoni, human, immunofluorescence and hemagglutination techniques used in serologic surveys, results compared with fecal egg counts, possible application of serologic tests to epidemiological surveys

Immunity, Agglutination
Dighero, M. W.; and Bradstreet, C. M. P., 1979, J. Helminth., v. 53 (4), 283-286
human hydatid disease, serodiagnosis, latex-agglutination and complement fixation tests

Immunity, Agglutination
echinococcosis, incidence of recurrence 1-20 years after surgical removal, detection of subclinical parasitosis using indirect haemagglutination

Immunity, Agglutination
toxoplasmosis, immunoserologic diagnosis in pregnant women, responsibilities of physicians and diagnostic laboratories in providing accurate diagnostic information
Immunity, Agglutination

Babesia bigemina, calves (exper.), indirect hemagglutination test, antibodies detected 14 days after infection, single and multiple exposures compared

Immunity, Agglutination
Dwivedi, S. K.; and Gautam, O. P., 1979, Indian J. Animal Sc., v. 49 (5), 595-596

Babesia bigemina, calves (exper.), diagnosis, capillary tube agglutination test

Immunity, Agglutination

Trichinella spiralis, evaluation of antigens obtained by different methods of preparation (ring precipitation test, immunoelectrophoresis, latex test)

Immunity, Agglutination
El-Sawy, M.; et al., 1979, NATO Advanced Study Inst. Ser., s. A, Life Sc., v. 24, 277-279

Schistosomiasis in patients with and without neurological symptoms, circumoval precipitation test, indirect haemagglutination test, and immunoglobulins in serum and cerebrospinal fluid

Immunity, Agglutination
Felger, P., 1977, Tropenmed. u. Parasitol., v. 28 (4), 491-493

Anemic abscess, human, serodiagnosis, comparisons of results using Stick-ELISA (enzyme-linked immunosorbent assay) and those obtained by complement fixation, indirect hemagglutination, counterimmunoelectrophoresis, and latex agglutination

Immunity, Agglutination

Alveolar and cystic echinococcosis, human, antibody activity in stick-ELISA compared to activity of complement fixation and indirect hemagglutination, no test allowed species-specific diagnosis of cystic disease but most alveolar infections could be recognized using homologous antibody and ELISA or complement fixation

Immunity, Agglutination
Ferreira, A. W.; Camargo, M. E.; and Nakahara, O. S., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (6), 341-345

Schistosoma mansoni, immuno- peroxidase-antiglobulin diagnostic test compared with standard immunofluorescence and hemagglutination tests

Immunity, Agglutination
Fesefeldt, C.; and Braveny, I., 1978, Immun. u. Infekt., v. 6 (4), 160-165

Toxoplasma, human, diagnosis, micromethod with stable reagents for indirect hemagglutination test (THAT), comparison with Sabin-Feldman dye test, complement fixation test, and 2 commercial THAT kits

Immunity, Agglutination

Schistosoma mansoni, human chronic infections, identification of hemagglutinating antibodies using indirect hemagglutination test with tannic acid-treated red blood cells sensitized with worm extract, antibodies identified as type 7S, probably IgG

Immunity, Agglutination

Chagas disease, humans, evaluation of the latex agglutination test for diagnosis, comparison with other frequently used sero-immunologic techniques

Immunity, Agglutination

Fasciola hepatica, cattle, diagnosis with latex reaction, recommended as particularly useful for mass field examinations

Immunity, Agglutination

Toxocara canis, human visceral larva migrans, serodiagnosis, enzyme-linked immunosorbent assay appears to be method of choice as compared to indirect hemagglutination, hentonite flocculation, and double diffusion in agar

Immunity, Agglutination
Gold, D.; et al., 1978, J. Parasitol., v. 64 (5), 866-873

Entamoeba histolytica, serologic and cell-mediated immune responses of Mesocricetus auratus exposed to 2 parasite strains, indirect hemagglutination test, lymphocyte transformation, migration inhibition of macrophages, some evidence of immunosuppression

Immunity, Agglutination

Anaplasma marginale, cattle, diagnosis, comparisons of complement-fixation, indirect fluorescent antibody, and card agglutination tests

Immunity, Agglutination

Trypanosoma cruzi, diagnosis of Chagas disease in blood bank donors, direct agglutination and direct agglutination with 2-mercaptoethanol, comparison with complement fixation, immunofluorescence, and latex agglutination

Immunity, Agglutination

Toxoplasmosis, human, diagnosis, passive hemagglutination test, antigen preparation, comparison with immunofluorescence and complement fixation tests
Immunity, Agglutination

Grieve, R. B.; Gebhardt, B. M.; and Bradley, R. E., sr., 1979, Internat. J. Parasitol., v. 9 (4), 275-279
Dirofilaria immitis, dogs (exper.), cell-mediated (lymphocyte transformation assay) and humoral (indirect hemagglutination assay) immune responses, diminished mitogen responsiveness

Immunity, Agglutination

Wuchereria bancrofti, Brugia malayi, human, serodiagnosis, indirect immunofluorescence and agglutination using B. malayi as antigen, measurement of antibodies to adult worms is useful indicator of infection while microfilarial antibodies are correlated with disease: Philippines

Immunity, Agglutination

Trypanosoma cruzi, glycoprotein complex extracted from epimastigotes capable of inhibiting immunofluorescence and hemagglutination tests performed with human sera and forming complement-fixing immune complexes with both human and hyperimmune sera

Immunity, Agglutination

Entamoeba histolytica, human, diagnosis by indirect haemagglutination test

Immunity, Agglutination

Fasciola hepatica, structure of 41 antigens, serologic activity in rabbits using 5 tests

Immunity, Agglutination

Fasciola hepatica, rabbits, serological response, dynamics in relation to intensity and duration of infection and to superinfection (complement fixation, passive hemagglutination, gel precipitation, and immuneelectrophoresis with various antigens)

Immunity, Agglutination

Hassan, F.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (1), 3-7
Schistosomiasis, humans, enzyme linked immunosorbent assay (ELISA) immunodiagnosis, compared with indirect fluorescent antibody and indirect hemagglutination tests

Immunity, Agglutination

Eperythrozoon suis, swine, clinical signs of infection confirmed by indirect hemagglutination and measuring packed cell volume; oxytetracycline and asarinal acid combined with lice control, arsenic toxicity

Immunity, Agglutination

Cystic and alveolar echinococcosis, human, sensitivities of complement-fixation, passive hemagglutination (PH), and indirect fluorescent-antibody (IF) tests compared, simultaneous use of the PH and IF tests recommended

Immunity, Agglutination

Echinococcus granulosus, humans, evaluation of indirect haemagglutination test and immediate intradermal tests, diagnosis

Immunity, Agglutination

Schistosoma mansoni, humans, diagnosis, hemagglutination test using chromium chloride to bind antigens to formalin-treated erythrocytes, results were similar to those obtained with a hemagglutination test using tannic acid-treated erythrocytes

Immunity, Agglutination

Schistosoma mansoni, human, hemagglutination test (formalin-treated erythrocyte-coated adult worm extract) and immunofluorescence (adult worm particles fixed on microscope slides), comparison

Immunity, Agglutination

Trypanosoma cruzi, acute or recent human infections, diagnosis, standardization of polysaccharide-hemagglutination test, possible seroepidemiologic applications

Immunity, Agglutination

Ikeda, T.; Tada, I.; and Aoki, Y., 1978, J. Parasitology, v. 64 (5), 786-789
Onchocerciasis, human, diagnosis, indirect hemagglutination test performed with crude saline extract of Onchocerca volvulus as antigen, high sensitivity and specificity, IFA titers of blood samples from ear lobe collected on filter paper and of sera obtained by venipuncture showed high correlation

Immunity, Agglutination

Kamiya, N.; et al., 1977, Kiseichugaku Zasshi (Japan. J. Parasitology), v. 26 (2), 67-74
Litomosoides carinii, cotton rats, Ouchterlony and immunoelectrophoresis (IEP) tests with homologous and heterologous (Dirofilaria immitis, Angiostrongylus cantonensis) antigens at 11 weeks after infection; sequential changes from 1-10 weeks after infection in hemagglutination titers and IEP with homologous antigen and in numbers of microfilariae

Immunity, Agglutination

SChistosoma mansoni, human, pattern of class-specific fluorescent antibodies according to infection stages, hemagglutination test comparisons
SUBJECT HEADINGS

Immunity, Agglutination

Hydatid disease, humans, diagnosis, evaluation of sensitivity and specificity of 3 commonly used serological tests: complement fixation, haemagglutination, and fluorescent antibody techniques

Immunity, Agglutination

Kobayashi, A.; et al., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (3), 175-180
Toxoplasma, diagnosis, commercial latex agglutination test, comparison with dye and indirect hemagglutination tests

Immunity, Agglutination

Entamoeba histolytica, epidemiologic investigations of suspected foci of human amoebiasis occurring in the United States from 1971-1974, findings suggest diagnostic problems and mis-diagnosis, suggests that stool examinations be supplemented with serology and microscopic diagnosis

Immunity, Agglutination

Trichomonas vaginalis, evaluation of the indirect hemagglutination technique, appears potentially useful for diagnosis of infection in men and in sera from epidemiologic studies

Immunity, Agglutination

Toxoplasma gondii, rabbits treated with 2-sulfamonyl-4,4'diamino diphenylsulphone, determination of minimum curative dose, haemagglutinating antibody response in primary and challenge infection, immunity to challenge infection, schedule for raising high titre serum

Immunity, Agglutination

Kwa, B. H.; and Liew, F. Y., 1978, J. Helminth., v. 52 (2), 99-107
Taenia taeniaeformis, rats, haemagglutinating antibody production, passive transfer of immunity using sera from different time intervals after infection, passive transfer using dilutions of hyperimmune serum, time course of protection conferred by passive serum transfer before and after challenge

Immunity, Agglutination

Lee, S. Y.; et al., 1975, Taiwan I Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 74 (2), 82-86
Toxoplasma gondii, detection of cysts in swine lymph nodes, trypsin digestion, frozen section and imprint smear methods compared with indirect hemagglutination

Immunity, Agglutination

Leguia, G.; and Herbert, I. V., 1979, Research Vet. Med., v. 27 (3), 590-591
Sarcocystis in dogs, foxes, sheep, and cattle, Toxoplasma gondii in sheep, prevalence, indirect haemagglutination reaction for serodiagnosis: New South Wales

Immunity, Agglutination

Le Lorrier, B.; et al., 1978, Rev. de Med. Limoges, v. 9 (3), 143-148
Human toxoplasmosis, comparative discussion on value of Sabin-Feldman dye test, immunofluorescence and agglutination for diagnosis

Immunity, Agglutination

Toxoplasmosis, Brazilian Indians (Kren-Ako-re) who have had only recent contact with civilized man, serological survey using immunofluorescence and hemagglutination, high degree of positive tests: Xingu National Park

Immunity, Agglutination

Entamoeba histolytica, humans, diagnosis, comparison of results using passive latex agglutination and agar gel precipitation

Immunity, Agglutination

Long, G. W.; and Dusanic, D. G., 1978, Exper. Parasitol., v. 44 (1), 56-65
Trypanosoma lewisi, serological reactivities of exoantigens and cellular antigens of bloodstream parasites from immunosuppressed rats (precipitation and agglutination tests), results suggest that likely result of immunosuppressing host is trypanosome antigen preparation that is more reactive serodiagnostic reagent

Immunity, Agglutination

Chagas disease, results of complement fixation and hemagglutination tests compared using pericardial fluid from autopsy cases with chronic cardiomyopathy

Immunity, Agglutination

Trypanosoma cruzi, human, post-mortem diagnosis of chronic Chagas disease, evaluation of 3 serological tests on pericardial fluid (haemagglutination, fluorescent antibody, and complement fixation)

Immunity, Agglutination

Babesia argentina, cattle (nat. and exper.), diagnosis by rapid latex agglutination test applicable in field, specificity relative to infections with Babesia bigemina and Anaplasma marginale, comparison of results with complement fixation and indirect fluorescent antibody tests

Immunity, Agglutination

Leishmania spp., infected hamsters (exper.), and humans, quantitative estimation of antibody titers by enzyme-linked immunosorbent assay, some comparisions with passive hemagglutination, complement fixation, and counter-current immunoelectrophoresis
Immunity, Agglutination
Telogaster opisthorchis, precipitating antibody in Anguilla australis schmidtii serum and A. dieffenbachii gut mucus, agar-gel diffusion, passive haemagglutination, estimated molecular weight and 2-mercaptoethanol sensitivity of antibodies

Immunity, Agglutination
Trichinella spiralis, partially purified antigenic fraction from muscle larvae which detects hemagglutinin and precipitin antibodies in infection sera of rats, rabbits, and swine up to one year after single infection

Immunity, Agglutination
Trichinella spiralis, precipitating antibody in sera of rats, rabbits, and swine up to one year after single infection

Immunity, Agglutination
Leishmania donovani-infected humans, increased IgG levels, L. donovani, L. brasiliensis, and L. tropica antigens used in comparison of immunological diagnostic methods studying antibody titers, indirect haemagglutination test unsuitable for diagnosis

Immunity, Agglutination
Matossian, R. M.; et al., 1979, J. Helminth., v. 53 (4), 287-291
Human hydatid disease, serodiagnosis, indirect haemagglutination, enzyme-linked immunosorbent assay, fluorescence using defined antigen substrate spheres

Immunity, Agglutination
Leishmania donovani, human, latex agglutination test specific diagnosis for kala-azar

Immunity, Agglutination
Leishmania tropica, humans with recent primary exposure, fluorescent antibody test detected antibodies to L. donovani in 19 of 41 individuals, complement fixation and indirect hemagglutination tests were not useful for diagnosis

Immunity, Agglutination
Malaria, 4 yearly surveys in Surinam with indirect hemagglutination test, general comments on seroepidemiologic surveys and mathematical models for assessment of malaria transmission rates, symposium presentation

Immunity, Agglutination
Anaplasma marginale, buffaloes, use of both capillary tube agglutination test and blood-film examination recommended for survey and diagnostic purposes: Egypt

Immunity, Agglutination
Minami, T., 1977, Japan Agric. Research Quart., v. 11 (4), 234-258
Japanese Babesia sp., cattle (exper.), capillary-tube agglutination test, discrimination from B. bigemina and B. argentina was almost possible, no cross reactions with other protozoa

Immunity, Agglutination
Babesia bigemina and Japanese Babesia species can be serologically differentiated by the complement fixation and capillary-tube agglutination tests
Immunity, Agglutination
Entamoeba histolytica, human, evaluation of agar-gel diffusion test for sero-diagnosis of invasive amoebiasis, comparison with results using indirect hemagglutination test, agar-gel test recommended for routine use when more sophisticated methods are not readily available

Immunity, Agglutination
Mohapatra, T. M.; et al., 1979, Tropenmed. u. Parasitol., v. 30 (1), 53-58
Entamoeba histolytica, humans with symptomatic and asymptomatic amoebiasis, comparative evaluation of parasitological and serological diagnostic techniques

Immunity, Agglutination
Entamoeba histolytica, diagnosis of invasive infection using a simple and rapid latex-agglutination test

Immunity, Agglutination
Morris, M. N.; Powell, S. J.; and Elsdon-Dew, R., 1971, v. 45 (42), 1206-1208
Entamoeba histolytica, human, diagnosis of invasive amoebiasis, latex agglutination test, not useful as index of severity of disease but useful as evidence of presence of infection

Immunity, Agglutination
Muchinik, G.; et al., 1978, Rev. Hosp. Ninos, Buenos Aires (78), v. 20, 4-10
Toxoplasmosis, children, survey for presence of antibodies using the direct agglutination and indirect immunofluorescence tests, gradual increase in infection rate with age (60% by age 14)

Immunity, Agglutination
Onchocerca volvulus, humans, detection of antibodies using adult O. gutturosa antigen; comparison of indirect hemagglutination, agar gel diffusion, and countercurrent immunoelectrophoresis methods; cross reactions with sera of persons infected with Wuchereria bancrofti

Immunity, Agglutination
Trypanosoma cruzi, indirect hemagglutination test, adapted for use with capillary blood dried on filter paper, useful for epidemiologic field surveys

Immunity, Agglutination
Nishino, C., 1977, Sapporo Igaku Zasshi (Sapporo Med. J.), v. 46 (2), 73-88
Anisakis, humans, epidemiologic survey, comparison of skin test, indirect hemagglutination, and serum IgE levels in randomly selected local inhabitants and in patients with anisakiasis, higher positive rates in workers in fishing industries than in those in farming industries: Hokkaido

Immunity, Agglutination
Human echinococcal infection, importance of diagnosis by immunoelectrophoresis if there is possibility that serologic studies (indirect hemagglutination, bentonite flocculation) give positive results that do not correlate with clinical history

Immunity, Agglutination
Entamoeba histolytica, exper. infected Mesocestus auratus, measurement of serologic responses using indirect hemagglutination and enzyme linked immunosorbent assay tests

Immunity, Agglutination
Oelerich, S., 1977, Tropenmed. u. Parasitol., v. 28 (4), 539-544
Paragonimus uterobilateralis, P. africanus, Macaca mulatta (exper.), serological changes (indirect hemagglutination, complement fixation, double gel diffusion), cross-reactions occurred but species could be differentiated by disc-electrophoresis; supplemented by parasitologic and radiologic observations of other authors

Immunity, Agglutination
Chagas disease, efficacy of the direct agglutination test for diagnosis (with and without the addition of 2-mercaptoethanol), complement fixation test used as reference; concluded that test useful mainly in areas such as blood banks

Immunity, Agglutination
Toxoplasma gondii, comparison of indirect hemagglutination test and fluorescent antibody test in detection of antibodies in human sera

Immunity, Agglutination
Perea, E. J.; and Barrios, S., 1975, Rev. Clin. Espan., v. 137 (6), 513-516
Human toxoplasmosis, serologic diagnosis by microagglutination more sensitive than indirect immunofluorescent in comparative evaluations

Immunity, Agglutination
Hydatidosis, human, evaluation of immunoelectrodiffusion test (TED) vs. immunoelectrophoresis and indirect hemagglutination, sensitivity of TED increased and classes of immunoglobulins defined by combining enzymatic labelling with TED resulting in ELIIDA (enzyme-linked immunoelectrodiffusion assay)

Immunity, Agglutination
Pozzuoli, R.; et al., 1976, Recent Prog. Med., v. 60 (6), 625-638
Echinococcus granulosus, humans, comparative evaluation of immunoserological diagnostic methods, review
Immunity, Agglutination


Toxocara canis, mice, intravitral diagnosis of early larva migrants, serological and haematological tests, histopathological changes in tissues, numbers of larvae detected in various internal organs

Immunity, Agglutination


hydatidosis, human, serodiagnosis (radio-immunoassay, indirect haemagglutination, immuno-electrodiffusion), subclasses of specific anti-hydaitid immunoglobulin, detection of circulating immune complexes

Immunity, Agglutination

Rodriguez, O. N.; et al., 1975, Folia Vet., v. 19 (1-2), 249-255

Anaplasma marginale, Paranaplasma caudata, antigenic differences determined by passive hemagglutination and hemagglutination inhibition test

Immunity, Agglutination

Rodriguez, O. N.; et al., 1978, Rev. Cubana Cien. Vet., v. 9 (1), 87-94

Anaplasma marginale, Babesia argentina, B. bigemina, cattle of different breeds, serodiagnosis, complement fixation and capillary agglutination microtechniques: Cuba

Immunity, Agglutination


Chagas' disease, diagnosis, technique for preservation of red cells sensitized with Trypanosoma cruzi antigens to be used in indirect haemagglutination test

Immunity, Agglutination

Saathoff, M.; Kasper, M.; and Dummer, H., 1978, Deutsche Med. Wchnschr., v. 103 (41), 1606-1608, 1609-1611

Trichinella spiralis, humans, animals, diagnosis, sensitivity and specificity of 4 different serological tests, serologic differentiation from some other helminth infections with which cross-reactions occur

Immunity, Agglutination


Entamoeba histolytica, human hepatic abscess, diagnosis using the latex agglutination test gave some false positive reactions in normal controls, recommendations therefore that the quantitative indirect agglutination test be used for diagnostic purposes

Immunity, Agglutination


Leptomonas pessasi antigens and sera of patients infected with Trypanosoma cruzi gave frequent positive reactions with the passive hemagglutination, complement fixation and indirect immunofluorescence tests, possible implications for prophylactic vaccine for Chagas disease

Immunity, Agglutination

Sato, Y.; et al., 1977, Kiseichugaku Zasshi (Japan, J. Parasitol.), v. 26 (4), 209-221

Angiostrongylus cantonensis, human, 7 suspected cases, immunodiagnosis (gel diffusion, immunoelectrophoresis, indirect hemagglutination, skin test), cross-reactions with other helminths observed: Okinawa

Immunity, Agglutination


Echinococcus granulosis-infected sheep, comparative evaluation of the intradermal, Bentonite flocculation, and indirect hemagglutination diagnostic tests: some cross-reactions with Taenia hydatigena-infected sheep (nat. and exper.), histopathology of intradermal reactions

Immunity, Agglutination


Encephalitozoon cuniculi, rabbits, diagnosis, indirect microagglutination test

Immunity, Agglutination

Shaker, Z. A.; et al., 1976, Egypt. J. Bilharz., v. 3 (2), 221-232

Schistosoma mansoni, S. haematobium, humans, demonstration of circulating bilharzial antigens using indirect haemagglutination and complement fixation techniques, correlation between % of positive cases and host age, duration of infection, clinical presentation, schistosome species, intradermal test results, and effect of chemotherapy

Immunity, Agglutination

Sheehan, D. J.; et al., 1979, J. Clin. Microbiol., v. 10 (2), 128-133

Entamoeba histolytica, human, diagnosis, comparison of microscopic, cultural, counterimmunoelectrophoresis, and indirect hemagglutination techniques

Immunity, Agglutination


Schistosoma mansoni, humans, immunodiffusion, hemagglutination, immunofluorescence and eosinophil counts before and after therapy with hycanthone or niridazole

Immunity, Agglutination


human schistosomiasis mansoni, immunofluorescence, passive hemagglutination, and immunodiffusion tests used to detect early antibody increases after hycanthone therapy

Immunity, Agglutination


Babesia equi, donkeys, horses, diagnosis, capillary tube-agglutination test, no cross-reactions with related haemoprotezoan antigen.
Immunity, Agglutination
Hyostonglycm rubida, antigens prepared from various developmental stages and fractionation of adult worms, activity and usefulness as aid to serodiagnosis by passive haemagglutination and skin hypersensitivity reactions

Immunity, Agglutination
Trypanosoma brucei brucei, mice, antigenic analyses of first-peak parasitemias initiated with culture- and tsetse fly-derived metacyclics, agglutination technique

Immunity, Agglutination
Stein, P. C.; and Basch, P. F., 1979, J. Invert. Path., v. 33 (1), 10-18
Biomphalaria glabrata, purification of hemaggulitin from hemolymph, albumin glands, and egg masses, binding to Schistosoma mansoni larval stages in vitro and in vivo

Immunity, Agglutination
Trypanosoma cruzi, soldiers from 4 different provinces in 3 different years, prevalence of infection, correlation between different serodiagnostic methods: northeastern Argentina

Immunity, Agglutination
Anisakis, Terranova, human, immunological diagnosis, intradermal and indirect hemagglutination tests, histopathological examination of biopsied gastric mucous membranes

Immunity, Agglutination
Suzuki, T.; et al., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (1), 17-23
Anisakis, analysis of criteria on intradermal and indirect hemagglutination tests by radio-immunoassay

Immunity, Agglutination
Hydatid disease, human, differential diagnosis from cancer on basis of blood values and liver function tests, comparison of 3 immunodiagnostic tests (intradermal, complement fixation, indirect haemagglutination), usefulness of post-operative serological surveillance: Libya

Immunity, Agglutination
Takayanagi, T.; et al., 1978, Exper. Parasitol., v. 44 (1), 82-91
Trypanosoma gambiense, neonatal rats receiving antibodies from female, protective, agglutinating, and phagocytosis-promoting characteristics of sera

Immunity, Agglutination
Tandon, A.; Zahner, H.; and Laemmli, G., 1979, Tropenmed. u. Parasitol., v. 30 (2), 180-193
Chagas' disease, human serum, new method for estimation of complement fixing antibodies (complement-enzyme linked immuno sorbent assay or CELISA) compared with haemolytic complement fixation, indirect haemagglutination, and ELISA

Immunity, Agglutination
Toxoplasma gondii, cats, random survey using Wellcome ToxHa Test haemagglutination kit

Immunity, Agglutination
Tönder, O.; Closs, O.; and Digranes, A., 1974, Scand. J. Infect. Dis., v. 6 (1), 63-68
Toxoplasma gondii, human, comparison of the indirect haemagglutination and dye test for detection of antibodies

Immunity, Agglutination
Echinococcus granulosus, mice (exper.), kinetics of serological response, immunoelectrophoresis, double diffusion, latex agglutination, and passive hemagglutination

Immunity, Agglutination
Tribouley, J.; et al., 1978, Ann. Parasitol., v. 53 (1), 21-31
Toxoplasmosis, human, seroepidemiologic survey, complement fixation and passive haemagglutination tests, age of host, possible sources of infection: Guadeloupe; Martinique

Immunity, Agglutination
Tsubota, N.; et al., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (4), 286-290
Toxoplasma, human, diagnosis, microtiter latex agglutination test

Immunity, Agglutination
Tsubota, N.; et al., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (4), 291-298
Toxoplasma, swine, rabbits, cats, mice, diagnosis, microtiter latex agglutination test

Immunity, Agglutination
Toxoplasma, sensitized latex for microtiter agglutination test, preparative conditions and stability of reagent

Immunity, Agglutination
Human echinococcosis, latex agglutination and indirect hemagglutination tests recommended for diagnostic purposes

Immunity, Agglutination
Vinayak, V. K.; et al., 1979, J. Parasitol., v. 65 (3), 407
Macaca mulatta naturally infected with ameba morphologically indistinguishable from Entamoeba histolytica, indirect hemagglutination titers to antigens from Entamoeba histolytica and from ameba of Macaca mulatta

Immunity, Agglutination
Paragonimus westermani, humans, clinical aspects, symptoms, diagnosis by X-ray, sputum examination, or indirect hemagglutination: East-Nigeria
Immunity, Agglutination
Walther, W.; and Sanitz, W., 1979, Berl. u. Munchen. Tierarztli. Wochmschr., v. 92 (7), 131-135
Taenia saginata, calves (exper.), enzyme-linked immunosorbent assay using T. saginata and T. crassiceps antigens, comparison with indirect hemagglutination during course of infection and following praziquantel treatment

Immunity, Agglutination
Wang, L. T., 1973, Taiwan i Hsueh Hui Tsai Chih (J. Formosan Med. Assn.), v. 72 (1), 819-623
Entamoeba histolytica, humans, diagnosis by indirect haemagglutination test using antigen from axenic culture, more specific for amoebic liver abscess than for intestinal infection

Immunity, Agglutination
Willadsen, P.; et al., 1978, Internat. J. Parasitol., v. 8 (2), 89-95
Boophilus microplus, partial purification of allergen 2, allergens 1 and 2 tested on cattle for relationships between tick resistance, immediate hypersensitivity reactions, reaginic antibody levels as measured by Prausnitz-Kustner type reactions, and serum levels of agglutinating antibody

Immunity, Agglutination
Echinococcus granulosus, human, diagnosis, passive hemagglutination test, evaluation of glutaraldehyde as fixing and coupling agent

Immunity, Agglutination
Anaplasma marginale, cattle, comparison of 4 serological tests for detection of humoral antibodies (capillary agglutination, complement fixation, plate agglutination, and indirect fluorescent antibody)

Immunity, Agglutination
Wissler, K.; and Bockept, J., 1979, Therap. Umschau, v. 36 (3), 233-240
Entamoeba histolytica, human, seroimmunologic survey comparing indirect immuno-fluorescent, latex agglutination, and indirect hemagglutination tests

Immunity, Agglutination
Trypanosoma brucei-infected rabbits, postulation on mechanism of anemia (that red blood cells are coated on surface by trypanosome antigen-antibody complexes and that these cells under certain conditions are lysed by complement or agglutinated and removed by spleen)

Immunity, Agglutination
Yamashita, T.; Sato, Y.; and Otsuru, M., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (2), 87-95
Bilofilaria immitis, diagnosis, indirect hemagglutination test, antigen purification

Immunity, Agglutination
Yang, J.; and Kennedy, M. T., 1979, J. Clin. Microbiol., v. 10 (6), 778-785
Entamoeba histolytica, human, diagnosis, development and evaluation of enzyme-linked immunosorbent assay, compared with indirect fluorescent antibody and indirect hemagglutination techniques

Immunity, Agglutination
Entamoeba histolytica, evaluation of indirect haemagglutination test for diagnosis, trophozoites grown in bacteria-free cultures used as antigen, merits of technique discussed

Immunity, Agglutination
Echinococcus granulosus, Taenia hydatigena, T. ovis, sheep (nat. and exper.), indirect haemagglutination test using cyst fluids as antigens, serological cross-reactions, test useful for non-specific detection of larval cestodes

Immunity, Agglutination
Angiostrongylus cantonensis in 8 strains of inbred rats, occurrence of acquired resistance, kinetics of humoral immune response (reaginic and indirect hemagglutination antibody response)

Immunity, Agglutination
Toxocara canis, laboratory mice, diagnosis by ring precipitation and latex agglutination; hematological changes

Immunity, Agglutination
Larva migrans, human, diagnosis, evaluation of indirect hemagglutination test with Toxocara canis and Ascaris suum as antigen

Immunity, Agglutination
Ascaris suum and Toxocara canis, rabbits and Rhesus monkeys, diagnosis using T. canis antigen for complement fixation, passive haemagglutination, and immunodiffusion tests, extensive cross-reactivity

Immunity, Allergy
human intestinal schistosomiasis mansoni before and after treatment with aminonitrothiazole, immunoglobulin levels, immediate and delayed cutaneous hypersensitivity

Immunity, Allergy
serum IgE levels in variety of human diseases, including parasitic

Immunity, Allergy
Ashton, N.; and Cook, C., 1979, Ophthalmology, v. 86 (4), 8-42
allergic granulomatous nodules of the eyelid and conjunctiva, humans, several cases caused by unidentified nematodes, clinical, histological and pathological features
Immunity, Allergy
Badr-El-Din, M. K.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (9-10), 194-196
Ascaris suum in children, function of beta adrenergic receptors evaluated, indicates that ascaris antigens may have beta adrenergic blockade activity

Immunity, Allergy
Ascaris suum, pigs (exper.), lack of homocytotropic antibody potentiation after sensitization with equine serum

Immunity, Allergy
Immediate hypersensitivity effector mechanisms, in vitro reactions

Immunity, Allergy
Onchocerca volvulus, human, immediate and delayed skin reactions to Onchocerca volvulus and Nectator americanus antigens, variations in response in generalized vs. localized (sowda) forms of disease

Immunity, Allergy
Dermacentor andersoni-sensitized rabbits, resistance to tick-borne Francisella tularensis attributed to allergic klembudisus (disease escaping ability)

Immunity, Allergy
Bennett, L. J., 1978, J. Parasitol., v. 64 (1), 182-185
Australian spargana, mice, immunological reactions (tissue reactions, precipitating antibodies, anaphylactic reactions) not found to be weak or abnormal

Immunity, Allergy
Opisthorchiasis antigen-sensitized rats, changes in histamine levels indicate disruption of histamine metabolism

Immunity, Allergy
Reaginic and other homocytotropic antibodies: diverse immunoglobulins with common function, review including information on Nippostrongylus brasiliensis-rat system

Immunity, Allergy
Bloch, K. J.; et al., 1979, Gastroenterology, v. 77 (5), 1039-1044
Nippostrongylus brasiliensis-infected rats, normal rats, or rats subjected to mild systemic anaphylaxis, intestinal uptake of protein antigen (bovine serum albumin)

Immunity, Allergy
Boucher, R. C.; Pare, P. D.; and Hogg, J. C., 1979, J. Allergy and Clin. Immunol., v. 64 (3), 197-201
Ascaris-sensitive Macaca mulatta, relationship between airway hyperreactivity and hyperpermeability

Immunity, Allergy
Hypoderma-infected or uninfected calves, treatment with fenthion or trichlorfon, blood histamine levels, circulating antibody titers to Hypoderma lineatum larvae; blood histamine levels in guinea pigs after injection of ground-up Hypoderma lineatum larvae or application of fenthion

Immunity, Allergy
Brozsaard, M.; and Girardin, P., 1979, Experimental, v. 35 (10), 1395-1397
Ixodes ricinus, rabbits, passive transfer of resistance with immune serum, effect on feeding and egg laying, IgG and homocytotropic specific antibodies of donors and recipients, immediate skin sensitivity of recipients

Immunity, Allergy
Capron, M.; et al., 1978, European J. Immunol., v. 8 (2), 127-133
Schistosoma mansoni, rats, eosinophil-dependent cytotoxicity, involvement of IgG2a antibody and role of mast cells; these and previous observations suggest possible participation of anaphylactic antibodies in immunity to schistosomes in the rat

Immunity, Allergy
Cargill, C. F.; and Dobson, K. J., 1979, Vet. Rec., v. 104 (1), 11-14
Sarcoptes scabiei var. suis, pigs (exper.), clinical signs and pathological changes associated with sarcoptes hypersensitivity

Immunity, Allergy
Cargill, C. F.; and Dobson, K. J., 1979, Vet. Rec., v. 104 (2), 55-56
Sarcoptes scabiei var. suis, growing pigs housed and fed under optimal and sub-optimal conditions of management, effect of experimental infections on growth rates and feed conversion efficiencies, concluded that loss of productivity is closely related to intensity of hypersensitivity reaction

Immunity, Allergy
Immunopathology due to Type II reactions, review

Immunity, Allergy
Toxocara canis, mice, homologous passive cutaneous anaphylactic reactions

Immunity, Allergy
Ascaris suum, purification and characterization of 2 proteins from whole worm extract, they are antigenically different but bear common allergenic epitopes, development of new immediate hypersensitivity reaction test
Immunity, Allergy
Nippostrongylus brasiliensis vs. Nematodiridae dubius, several features of intestinal stages in mice, reactivity/secreto (ES) products and efficacy in induction of resistance, comparison of ES products with respect to in vitro T and B cell mitogenicity, capacity to induce and or elicit delayed type hypersensitivity responses, and capacity to induce reaginic and precipitating antibody responses

Immunity, Allergy
De Clerck, F.; et al., 1978, Agents and Actions, v. 8 (6), 568-571
Trichinella spiralis sensitized mice, oxatomide protects against lethal anaphylaxis while it offers little protection against serotonin toxicity

Immunity, Allergy
helminthiasis, role of homocytotropic antibodies in immunity and pathology with special reference to induction and potentiation of IgE production, review

Immunity, Allergy
Doury, P.; et al., 1977, Semaine Hop. Paris, v. 55 (22-23), 1359-1365
parasitic rheumatism, humans, diagnosis, management, possible immuno-allergic mechanism

Immunity, Allergy
Schistosoma mansoni, S. haematobium, humans, delayed skin test reactions to S. mansoni antigen were increased with host age and severity of infections and were more frequent in males, correlations with immediate skin test reactions

Immunity, Allergy
helminth-parasitized animals, sensitization, tests for IgE, review

Immunity, Allergy
Onchocerca volvulus microfilaraemia discovered in 8 adult natives, microfilaraemia occurred in villages with highest microfilarial skin density, passage into blood thought related to skin allergy developing gradually after repeated superinfections: Zaire

Immunity, Allergy
immuno-allergic survey, humans, antigens employed included schistosomin and leishmanin: Estadão de Amazonas

Immunity, Allergy
biting insects, survey of types of allergic reactions in man and results of hyposensitization

Immunity, Allergy
Dirofilaria immitis, highly purified allergens, immunological and physicochemical properties

Immunity, Allergy
Trichinella spiralis, mice, quantitation of immediate and delayed hypersensitivity responses, correlation with worm expulsion

Immunity, Allergy
changes in airway mast cells and histamine caused by specific antigen aerosol in Ascaris suum-allergic dogs

Immunity, Allergy
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Ascaris suum-sensitive rhesus monkeys used in studies of bronchial mucosal permeability

Immunity, Allergy
cellular basis of reaginic antibody formation in vitro, DNP-Ascaris suum used as antigen

Immunity, Allergy
cellular mechanisms for secondary IgE antibody response in vitro by rabbit lymph node cells, review, DNP-Ascaris suum as one of antigens used

Immunity, Allergy
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IgE antibody response in inbred mice, review, DNP-Ascaris suum as one of antigens used, also includes some information on Nippostrongylus brasiliensis

Immunity, Allergy
immediate type hypersensitivity to Ascaris suum antigen in Rhesus reactor monkeys used to assess pharmacologic profile of two anti-allergy drugs

Immunity, Allergy
Ctenocephalides felis orientis in 4 human volunteers, dermatitis, immediate and delayed hypersensitivity
Immunity, Allergy
Katz, N. G.; and Vasil'kov, R. B.; et al., 1974, Przegl. Epidemiol., v. 28 (3), 283-291
Trichinella spiralis, humans, differential diagnostic difficulties, analysis of cases showed a predominance of allergic symptoms in the early stages of infection and protein deficiency in late stages as the 2 most confusing diagnostic presentations

Immunity, Allergy
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regulation of IgE antibody production by serum molecules, complete Freund's adjuvant induces both enhancing and suppressive activities detectable in the serum of low and high responder mice, DNP-Ascaris used as antigen

Immunity, Allergy
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regulation of IgE antibody production by serum molecules, evidence that coincidental sensitization and imbalance in the normal damping mechanism results in "allergic breakthrough", DNP-Ascaris used as antigen

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Immunity, Allergy
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Echinococcus alveolaris, E. granulosusus, humans, clinical trials with mebendazole, allergic reactions in 2 of 7 treated probably due to spillage of antigenic material, no other serious side effects

Immunity, Allergy
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Philometroides lusiana, carp, serology did not reveal any antibodies, allergic reaction nonspecific; host specific antigen recovered from extract of P. lusiana but not from Bothriocephalus gowkongensis

Immunity, Allergy
pharmacologic regulation of Ascaris antigen-induced mediator release from fragmented canine lung

Immunity, Allergy
flea allergy in dogs and cats, intradermal test with whole extract of Ctenocephalides felis; test evaluation procedure

Immunity, Allergy
Myocoptes musculusus, mice, positive skin test to mite antigens, kinetics of IgE antibody response to mite antigens, mast cell degranulation by mite extract

Immunity, Allergy
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Immunity, Allergy
IgE-mediated cardiac hypersensitivity reactions, experimental model, DNP-Ascaris used as antigen

Immunity, Allergy
Lopez-Brea, M.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (5), 600 [Letter] Giardia lamblia infection should be sought in children with bronchial asthma or chronic diarrhea

Immunity, Allergy
Haemaphysalis leporispalustris infestations from January 1974-December 1975 in Douglas County, Kansas, relationship to skin-sensitizing antibody production, models used to interpret data show promise for predicting tick population fluctuations and incidence of vector borne disease outbreaks, implications of existence of resistance to tick attachment

Immunity, Allergy
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Immunity, Allergy
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Ascaris suum-allergic Macaca mulatta, airway responses to histamine and methacholine

Immunity, Allergy
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Schistosoma japonicum, humans, total IgE by single radial immunodiffusion method, specific IgE by radioallergosorbent test, threshold values of skin tests: Yamanashi Prefecture

Immunity, Allergy
Immediate hypersensitivity effector mechanisms, in vivo reactions
Immunity, Allergy
Taenia taeniaeformis, systemic sensitization with reaginic antibodies accelerates rate at which challenge organisms are killed in passively immunized rats, inflammatory mediators which are released during immediate hypersensitivity responses may have direct effects on viability of early larval stages of parasite, these results indicate that reaginic antibody may play role in protective mechanism of immunity against Taenia taeniaeformis in the rat

Immunity, Allergy
Ascaris lumbricoides (var. suum), humans, mice, allergens investigated using radioallergosorbent test and passive cutaneous anaphylaxis test, cross-reactions with other nematodes, some biochemical and immunobiological properties of allergens

Immunity, Allergy
Strongyloides ratti, rats, primary and secondary infections, expulsion kinetics and intestinal mast cell counts, antithymocyte serum suppressed expulsion as well as intestinal mast cell and circulating eosinophil responses to primary infection

Immunity, Allergy
tropical eosinophilia, humans, immune response to various parasitic antigens, rat mast cell degranulation and migration inhibition tests show most are sensitized to filarial antigens

Immunity, Allergy
Patterson, R.; and Harris, K. E., 1978, J. Allergy and Clin. Immunol., v. 66 (4), 261-267
Macaca mulatta colony with consistent asthmatic responses to Ascaris antigen challenge, qualitative evaluation of airway responses to immunologic and pharmacologic stimuli

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Immunity, Allergy
physiological and cellular studies of reagin mediated respiratory reactions to Ascaris antigen in rhesus monkeys, review

Immunity, Allergy
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Immunity, Allergy
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passive transfer of immediate-type airway responses to nonreactive rhesus monkeys using Ascaris suum antigen reactive bronchial lumen mast cells; possibly similar pathogenic implications for man

Immunity, Allergy
Ascaris suum-infected laboratory animals, reagin-like antibody detected by passive cutaneous anaphylaxis test and by direct degranulation of mast cells; antibody appeared to belong to IgE; suggested that it participates in host protective response

Immunity, Allergy
Leishmania tropica major, experimental cutaneous leishmaniasis, anergy and allergy in cellular immune response during non-healing infection in different strains of mice

Immunity, Allergy
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Ascaris intradermal test resulted in anaphylactic shock with allergic reactions involving the myocardium, woman, case report

Immunity, Allergy
Trichostrongylus colubriformis, expansion of worms transplanted into duodenum of immune guinea pigs, inhibition by drugs which modify release of histamine, results suggest important role for histamine release in effector mechanism of immune response

Immunity, Allergy
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Trichinella spiralis, pigs, analyses for IgE performed by homologous passive cutaneous anaphylactic reactions and for IgG by enzyme linked immunosorbent assay, possible significance of findings for early diagnosis of infections

Immunity, Allergy
homocytotropic antibody response to parasitic infections, review

Immunity, Allergy
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Anisakis- or Ascaris-sensitized guinea pigs, in vitro anaphylactic reaction of segmented ileums to various whole worm extracts

Immunity, Allergy
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Immunity, Allergy

Sharma, B. K.; et al., 1979, Lancet, London (8130), v. 1, 1340-1341 [Letter]
Plasmodium vivax antigen, 40-year-old male, likely cause of recurrent anaphylaxis

Immunity, Allergy

Ascaris suum, crude extract (preparation, toxic manifestations, mast-cell degranulating peptide, production and detection of reaginic antibodies), allergen (purification and properties, allergens released during active infection), brief remarks on allergens of other nematodes, review

Immunity, Allergy

Ascaris allergen, immunogenicity function (ability to stimulate production of reaginic antibodies) in comparison with other antigens

Immunity, Allergy

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Ascaris suum, new allergen (ACF antigen) obtained from developing larvae maintained in chemically defined culture medium, production of IgE and IgG1 antibodies in guinea-pigs, importance of route of administration

Immunity, Allergy

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human retinal periphlebitis and uveitis, possible allergic reaction to triple infection of Ancylostoma duodenale, Trichuris trichiura, Ascaris lumbricoides, clinical case report

Immunity, Allergy

cellular interactions involved in initiation and suppression of IgE synthesis in rats, review, DNP-Ascaris suum as one of antigens used, also includes mention of potentiated reagin formation by Nippostrongylus brasiliensis infection

Immunity, Allergy

cellular and humoral controls of reaginic antibody synthesis in the rat, dinitrophenylated Ascaris suum extract used as immunizing antigen

Immunity, Allergy

Dictyocaulus filaria, vascular permeability increasing action of worm extract in both infected and uninfected sheep and in uninfected rabbits partially due to histamine release, cutaneous hypersensitivity reaction may not provide reliable test for routine diagnosis

Immunity, Allergy

Thorson, T. E., 1979, J. Zoo Animal Med., v. 10 (1), 30
flea bite allergic dermatitis, Vulpes fulva, house pet, successful treatment with hyposensitization and flea control, case report

Immunity, Allergy

echinococcosis, human hepatic, complicated by allergic hepatitis, case reports, resolution of symptoms after excision of cysts

Immunity, Allergy

Ascaris lumbricoides, Necator americanus, non-specific potentiation of IgE by parasitic infections in man

Immunity, Allergy

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asthmatic subjects from Papua New Guinea had total serum IgE levels higher than Caucasian asthmatics but similar levels of IgE antibody to mote antigens, mite-specific antibody levels were independent of those to Ascaris and hookworm, implications for possible mechanism of regulation of asthma by intestinal parasites

Immunity, Allergy

Onchocerca volvulus, human, coast erysipelas (Guatemala) or 'purple illness' (Mexico) refers to cutaneous pathology of Arthus type reaction, treatment

Immunity, Allergy

helminthiasis, humans, value and limitations of hypersensitivity reactions for diagnosis, review

Immunity, Allergy

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airway responses to bronchial challenge with Ascaris suum extract in sensitized conscious sheep, correlation of physiological changes with blood histamine levels

Immunity, Allergy

Schistosoma japonicum egg granuloma, cellular composition, size, immunologic concomitants, differences from S. mansoni

Immunity, Allergy

Nippostrongylus brasiliensis, AKR mice, enhancement of IgE antibody production was obtained by priming helper cells with parasite infection, X-ray irradiation eliminated suppressor cells

Immunity, Allergy

Ascaris suum-induced immediate-type respiratory responses in conscious Macaca mulatta
Immunity, Allergy
Willadsen, P.; et al., 1978, Internat. J. Parasitol., v. 8 (2), 89-95
Boophilus microplus, partial purification of allergen 2, allergens 1 and 2 tested on cattle for relationships between tick resistance, immediate hypersensitivity reactions, reaginic antibody levels as measured by Prausnitz-Kustner type reactions, and serum levels of agglutinating antibody

Immunity, Allergy
Boophilus microplus, proteolytic enzyme inhibitor with allergenic activity, purification and partial characterization

Immunity, Allergy
Willadsen, P.; Wood, G. M.; and Riding, G. A., 1979, Ztschr. Parasitenk., v. 59 (1), 87-93
Boophilus microplus, Bos taurus of high and low resistance, skin histamine concentration, histamine sensitivity, suppression of cutaneous hypersensitivity reactions with mepyramine maleate

Immunity, Allergy
Babesia bovis-infected Bos taurus, biogenic amine levels in plasma and whole blood, probable role in cardiovascular disturbances

Immunity, Allergy
Yodoi, J.; Ishizaka, T.; and Ishizaka, K., 1979, J. Immunol., v. 123 (1), 455-462
Nippostrongylus brasiliensis-infected rats, increase in proportion of lymphocytes bearing FC receptors for IgE, induction of these FC-receptor bearing rat lymphocytes by IgE itself in vitro

Immunity, Allergy
Angiostrongylus cantonensis in 8 strains of inbred rats, occurrence of acquired resistance, kinetics of humoral immune response (reaginic and indirect hemagglutination antibody response)

Immunity, Allergy
Immediate hypersensitivity (Type I) reactions, review

Immunity, Anaphylaxis. See Immunity, Allergy.

Immunity, Antigenic variation. [See also Immunity, Antigens]

Immunity, Antigenic variation
Trypanosoma brucei, antigenic variation, review with recommendations (WHO memorandum)

Immunity, Antigenic variation
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Trypanosoma brucei brucei, T. congolense, inactivation or elimination of potentially trypanolytic complement-activating immune complexes containing antibodies to variant-specific antigens

Immunity, Antigenic variation
Trypanosoma brucei, T. congolense, cross-reacting determinants in variant-specific surface antigens

Immunity, Antigenic variation
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Trypanosoma brucei, capping of variable antigen, immunological and biological significance

Immunity, Antigenic variation
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Trypanosoma brucei, white mice, dissociation of virulence and variable antigen type in relation to pleomorphism

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genetics of antigenic variation in Paramecium, possible model system applicable to parasitic protozoa

Immunity, Antigenic variation
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Fasciola hepatica, identification of soluble adult antigen on tegumental surface of juveniles

Immunity, Antigenic variation
mechanisms by which parasites escape immune surveillance, review

Immunity, Antigenic variation
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antigenic variation and immunity to malaria, review

Immunity, Antigenic variation
Trypanosoma, Plasmodium, Babesia, antigenic variation (nature, consequences for protective immunity, possible implications for other protozoan infections), colloquium presentation

Immunity, Antigenic variation
Campbell, G. H.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 974-983
Trypanosoma brucei rhodesiense, isolation and characterization of new serodeme, model for further study of immunopathology and antigenic variation in African trypanosomiasis
Immunity, Antigenic variation
Trypanosoma spp., identification, purification, and characterization of class of surface glycoproteins which appear to be primary mediators of antigenic variations

Immunity, Antigenic variation
Trypanosoma molecular basis of antigenic variation, brief review

Immunity, Antigenic variation
Trypanosoma brucei, antigenic variation, characterization of major cell surface antigens, variations in amino acid sequence

Immunity, Antigenic variation
Trypanosoma brucei, crossreacting determinants in C-terminal region of variant surface antigens

Immunity, Antigenic variation
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Trypanosomes, immunochemical aspects of antigenic variation, 3rd Fleming Lecture

Immunity, Antigenic variation
Trichomonas vaginalis, comparison of soluble antigens of 2 cultured clones of different age originating from the same strain

Immunity, Antigenic variation
Trypanosoma vivax, sequence of antigenic variants in mice and goats

Immunity, Antigenic variation
Trypanosomes, particularly Trypanosoma gambiense, syringe-passaged and cyclically transmitted isolates, antigenic variations

Immunity, Antigenic variation
Hudson, K. M.; and Terry, R. J., 1979, Parasite Immunol., v. 1 (4), 317-326
Trypanosoma brucei, chronically infected mice, relationships between course of infection, antigenic variation, and immunodepression of antibody responses to heterologous antigens

Immunity, Antigenic variation
Trypanosoma congolense, bloodstream trypomastigotes and culture procyclics, lectin analysis of surface saccharides by agglutination and electron microscopic techniques

Immunity, Antigenic variation
Trypanosoma brucei complex, antigenic variants in cyclically transmitted strains

Immunity, Antigenic variation
Trypanosoma brucei, selective cleavage of variant surface glycoproteins

Immunity, Antigenic variation
Trypanosoma cruzi, amastigote and trypanomastigote forms, surface antigen, relationship to virulence

Immunity, Antigenic variation
Trypanosoma brucei brucei EATRO 1125-derived Antat serodeme, first patent blood stream population following fly transmission shown to be markedly heterogeneous and composed of 19 distinct variable antigen types, possible importance to epidemiologic investigations and future prospects for vaccinations

Immunity, Antigenic variation
Trypanosoma brucei brucei, metacyclic forms are heterogeneous with respect to antigen type which they express, reversion to a basic variable antigen type at metacyclic stage in life cycle is not universal

Immunity, Antigenic variation
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Trypanosoma brucei brucei, variant-specific surface antigen messenger RNA, immunological purification and partial characterization

Immunity, Antigenic variation
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Trypanosoma brucei, bovines, evidence for reappearance of variable antigen types in relapse populations

Immunity, Antigenic variation
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Nippostrongylus brasiliensis, antigenic variation, review

Immunity, Antigenic variation
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African trypanosomiasis, immunity and antigenic variation, clinical observations suggestive of immune phenomena, review

Immunity, Antigenic variation
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Trypanosoma congolense, radio-labelled diazonobenzensulfonate as marker for cell surface proteins, results indicate that surface coat is homogeneous layer composed of molecules of one type of protein

Immunity, Antigenic variation
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Trypanosoma brucei gambiense, different antigenic variants compete with each other in vivo (mice) and one clone replaces another, this is a predictable phenomenon even under conditions analogous to chronic infection
Immunity, Antigenic variation

Trypanosoma cruzi, antigenic variation in strain isolated from the opossum (Didelphis azarae) as compared with strains from man and a wild dog (Cerdocyon thous azarae)

Immunity, Antigenic variation

Trypanosoma brucei brucei, bloodstream and culture forms, analysis of antigenic composition by quantitative direct fluorescent antibody methods

Immunity, Antigenic variation

Trypanosoma brucei brucei, use of lectin affinity chromatography to isolate major surface coat glycoprotein (variant antigen), further purification by DEAE-cellulose chromatography

Immunity, Antigenic variation

Trypanosoma brucei brucei, comparative study of 2 antigenic-type collections using immunofluorescence and trypanolysis, little or no cross-immunity observed, concluded that these collections are antigenic types of 2 different serodemes

Immunity, Antigenic variation

Trypanosoma brucei, syringe passaged clone populations, 15 antigenic variants, characteristics, relationships to one another, clone populations were heterogeneous mixtures of a major and several minor variant types, suggests that antigenic variation is spontaneous random process

Immunity, Antigenic variation

Trypanosoma brucei rhodesiensis, serum-incubation-infectivity-tests on clone populations of distinct antigenic types

Immunity, Antigenic variation

trypanosoma strains of subgenus Trypanozoon, comparison of variable antigenic types

Immunity, Antigenic variation

Vickerman, K., 1974, Ciba Found. Symp., n.s. (25), 53-80
antigenic variation in African trypanosomes, review

Immunity, Antigenic variation

antigenic variation in trypanosomes, review

Immunity, Antigenic variation

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Trypanosoma brucei, partial purification and properties of variant specific surface antigen mRNA obtained from a clone, mRNA sequence complexities of antigenically unrelated clones

Immunity, Antigenic variation

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Trypanosoma salmositica, successful in vitro culture and subpassage, course of infection in Salmo gairdneri (exper.), clinical signs (anemia, exophthalmia, abdominal distension with ascites, splenomegaly), diagnosis by wet mount examination more sensitive than hemato-crit centrifuge technique, evidence of possible antigenic variation

Immunity, Antigens. [See also Immunity, Antigenic variation]

Immunity, Antigens

Trypanosoma cruzi, preparation of pure specific antigen and corresponding mono-specific antisem using immunoadsorption

Immunity, Antigens

Afchain, D.; et al., 1979, J. Parasitol., v. 65 (4), 507-514
Trypanosoma cruzi culture forms, antigenic make-up, comparison with salivarian and some other stercorarian trypanosomes and Leishmania using immunoprecipitation in gels and immunoelectrophoresis, identification of component specific to T. cruzi

Immunity, Antigens

Allen, J. R.; Khalil, H. M.; and Graham, J. E., 1979, Immunology, v. 38 (3), 467-472
Dermacentor andersoni, guinea pigs undergoing primary and secondary infestations, immunofluorescent localization of tick salivary gland antigens, IgG, and complement in skin

Immunity, Antigens

Allen, J. R.; Khalil, H. M.; and Wikel, S. K., 1979, J. Immunol., v. 122 (2), 563-565
Dermacentor andersoni, Langerhans cells trap tick salivary gland antigens in tick-resistant guinea pigs

Immunity, Antigens

Giardia lamblia, technique for the preparation of antigen extract from trophozoites and cysts, study of immunological characteristics in experimental animals and normal human controls
Immunity, Antigens

Babesia caballi, horses, card test using newly developed antigen evaluated and compared with complement-fixation test

Immunity, Antigens

Trypanosoma cruzi, Peruvian and Colombian strains, failure to demonstrate presence of host antigens on surface of trypomastigote forms from guinea pig blood using immunofluorescence

Immunity, Antigens

Trypanosoma cruzi, acute infection in mice, circulating antigens capable of reacting against mouse serum in complement fixation and counterimmunoelectrophoresis tests but not in haemagglutination test

Immunity, Antigens

Schistosoma mansoni, immunofluorescence studies of schistosome structures which share determinants with circulating Trypanosoma antigens (CSA), Ig class of antibodies in patients' serum that attach to sites where CSA determinants are found

Immunity, Antigens

Trypanosoma cruzi, 3 strains with differences in antigenic structure, strain PI always yielded lower titers in immunofluorescence test, use of pool of several strains recommended

Immunity, Antigens

Chemistry of antigenic determinants on protein molecules, colloquium presentation

Immunity, Antigens
Asaishi, K., 1974, Sapporo Igaku Zasshi (Sapporo Med. J.), v. 43 (2), 104-120

Anisakis larvae, analysis of cuticular antigen, application of fluorescent antibody test to histological diagnosis of chronic infection
Immunity, Antigens
Infection, Malaria
Schistosoma mansoni, isolation of polysaccharide antigen from eggs that differs from antigens previously described, antibodies against this antigen were found in serum of mice with acute and chronic infection

Immunity, Antigens
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Ascaris suum, infective larval phase, use of ultrasound prepared antigen to demonstrate experimental ascaridiosis in migrating phase in unspecific host (rabbit) by complement fixation reaction

Immunity, Antigens
Entamoeba histolytica, antigenic composition of axenically cultivated strains, fractionation and serological characterization

Immunity, Antigens
Schistosoma mansoni, characterization of immunoglobulins and antigens involved in immune complexes

Immunity, Antigens
Schistosoma mansoni, antigens, characterization and purification, colloquium presentation

Immunity, Antigens
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Schistosoma mansoni, malate dehydrogenase (MDH), purification, immunochemical and biological characterization, mice immunized with purified MDH exhibited significant decrease of worm burden

Immunity, Antigens
Bour, A.; et al., 1977, Rev. Neurol. Argentina, v. 3 (3), 483
Trypanosoma cruzi subcellular antigenic fractions, affinity for rat tissue from Auerbach's plexus and from myocardium, brief report

Immunity, Antigens
Malaria, factors influencing outcome of infection, antigenic specificity of and protective immunity to asexual erythrocytic parasites, symposium presentation

Immunity, Antigens
Camblorova, J.; and Mikula, J., 1977, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 26 (4), 240. 244
Trichinella spiralis, serological diagnosis, quality of antigen prepared by 4 different methods compared

Immunity, Antigens
cestodes, antigenic fractions (except those of Taenia saginata and of Cysticercus tenuicollis membranes) with reactivity similar to albumins of human, bovine and ovine sera

Immunity, Antigens
Schistosoma mansoni, circulating M antigen, occurrence in human and experimental infections, specificity (cross-reactions with S. japonicum and S. haematobium), physicochemical properties

Immunity, Antigens
Carter, C. E.; and Colley, D. G., 1978, J. Parasitol., v. 64 (3), 385-391
Schistosoma mansoni soluble egg antigen preparation, electrophoretic analysis reveals complex pattern of proteins and glycoproteins, immunoelectrophoretic analysis reveals at least 5 distinct precipitin arcs when developed with serum from mice infected for 16 weeks

Immunity, Antigens
Carter, C. E.; and Colley, D. G., 1979, J. Immunol., v. 122 (6), 2204-2209
Schistosoma mansoni soluble egg antigen, partial purification and characterization with Con A-Sepharose chromatography

Immunity, Antigens
de Carvalho, A. B.; Almeida, M. T.; and Magalhaes Filho, A., 1972, Rev. Soc. Brasii. Med. Trop., v. 6 (4), 185-190
Schistosoma mansoni, study of possible influence of antigen source (mouse, human) on diagnostic skin test reactions; skin reactions smaller when human antigen used, persons with allergic conditions had larger reactions

Immunity, Antigens
Trypanosoma cruzi, new amastigote antigen superior to antigen from epimastigotes, indirect immunofluorescence test

Immunity, Antigens
Entamoeba histolytica, antigenic analysis of 2 strains (HT-31 and HK-9) by 2-dimensional immunoelectrophoresis, cross-reactions showed large number of shared antigens between strains

Immunity, Antigens
Cherian, P. V.; and Dusanic, D. G., 1978, Exper. Parasitol., v. 44 (1), 14-25
Trypanosoma lewisi, distribution of surface antigens, movements of surface antigens induced by antibody, endocytosis of antigen-antibody complexes, ultrastructural observations

Immunity, Antigens
Trypanosoma brucei brucei, mice, influence of host strain and parasite antigen type on course of infections
Immunity, Antigens


Schistosoma mansoni, evidence for existence of host-like antigens on surface of schistosomes, chemical nature and function of these host antigens, review

Immunity, Antigens

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sera from humans infected with visceral or tegumentary leishmaniasis studied by electrophoresis using heterologous and homologous antigens; homologous antigens were more specific and detected higher titers, false positive reactions occurred only with Leishmania donovani

Immunity, Antigens

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molecular mimicry in biological adaptation, host-parasite and other biological relationships, review

Immunity, Antigens


Ascaris suum, purification and characterization of 2 proteins from whole worm extract, they are antigenically different but bear common allergenic epitopes, development of new immediate hypersensitivity reaction test

Immunity, Antigens

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Echinococcus granulosus, E. multilocularis, ultrastructural immunocytochemical localization of 2 hydatid fluid antigens (antigen 5 and antigen B) in brood capsules and protoscoleces

Immunity, Antigens


Nippostrongylus brasiliensis vs. Nematospiroides dubius, several features of intestinal stages in mice, complexity of worm excretory/secretory (ES) products and efficacy in induction of resistance, comparison of ES products with respect to in vitro T and B cell antigenicity, capacity to induce and/or elicit delayed type hypersensitivity responses, and capacity to induce reaginic and precipitating antibody responses

Immunity, Antigens


Plasmodium knowlesi, antigenic analysis of sequential erythrocytic stages using crossed immuno-electrophoresis

Immunity, Antigens

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Trichomonas vaginalis, antigenic relationships using indirect immunofluorescence, results suggested presence of antigens that were common to both species

Immunity, Antigens


Trichomonas vaginalis, T. foetus, antigenic comparison by immuno-electrophoresis

Immunity, Antigens

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Leishmania donovani, antigenically active glycoproteins released by parasites: immunologic properties and relationships with Mycobacterium antigens and human red cell antigens; preliminary biochemical analysis; possible involvement in pathogenesis of kala azar

Immunity, Antigens


Schistosoma mansoni-infected hamsters, indirect haemagglutination reaction detected circulating anodic antigen in sera and in immune complexes isolated from these sera, but not in sera from human infections

Immunity, Antigens


Schistosoma mansoni, purification of acidic protease, possible use as antigen in serological tests and in development of assay for detection of enzyme as circulating antigen

Immunity, Antigens


Trichomonas vaginalis, comparison of soluble antigens of 2 cultured clones of different age originating from the same strain

Immunity, Antigens


Trypanosoma gambiense, methods for mass preparation of crude antigen and exoantigen from Criconemoides gambianus (exper.)

Immunity, Antigens


Dipetalonema viteae eggs, egg membranes, metabolic products, and hatched larvae from uterus, examination of antigenic activity against sera from Wuchereria bancrofti and onchocercia patients, indirect immunofluorescence test

Immunity, Antigens


Dipetalonema viteae, antigenic activity in adult worms in the indirect fluorescent antibody test against sera of filariasis patients, search for a 'pure' antigen

Immunity, Antigens

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leishmaniasis, human cutaneous, preparation of diagnostic leishmanial antigen based on deep freezing followed by thawing
Immunity, Antigens
Echinococcus granulosus, comparison between antigens in scolices and hydatid fluid

Immunity, Antigens
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Trypanosoma lewisi, rats, Trypanosoma musculi, mice, precipitin responses of immune hosts repeatedly infected, antigenic relationships of these 2 trypanosome species, microimmunodiffusion, crossed immunoelectrophoresis (CIE), and tandem CIE analyses

Immunity, Antigens
Trichinella spiralis, evaluation of antigens obtained by different methods of preparation (ring precipitation test, immunoelectrophoresis, latex test)

Immunity, Antigens
Leishmania donovani, excreted factor from promastigotes, physicochemical, immunological, and biological characterization

Immunity, Antigens
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Naegleri fowleri, antibody-induced capping and endocytosis of surface antigens, may allow amoeba to resist action of host's immune system

Immunity, Antigens
Ascaris suum, isolation of metabolic larval antigens from culture medium using exclusion chromatography

Immunity, Antigens
Dirofilaria immitis, separation and properties of IgG-inducing antigens

Immunity, Antigens
Entamoeba histolytica, isolation of antigen fraction responsible for delayed hypersensitivity in amoebiasis, macrophage migration inhibition

Immunity, Antigens
Geerts, S.; Kumar, V.; and Aerts, N., 1979, J. Helminth., v. 53 (4), 293-299
Taenia saginata, antigenic components and their relevance to diagnosis of bovine cystercrosis by immunoelectrophoresis

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Cysticercus cellulosae, D-mannan and D-arabinomannan, structure, changes in proportion with age of culture

Immunity, Antigens
Cysticercus cellulosae, carbohydrates, further characterization of previously identified D-mannan, isolation and partial characterization of arabinose- and galactose-containing polysaccharide, immunological evidence suggests cell surface nature of arabinomannan

Immunity, Antigens
Trypanosoma cruzi, identification of an immunogenic cell surface polysaccharide

Immunity, Antigens
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Babesia bovis, morphologic, biologic, and immunologic properties of corpuscular and soluble fractions of parasites purified from in vitro blood cultures

Immunity, Antigens
Ascaris suum, isolation of metabolic larval antigens from culture medium using exclusion chromatography

Immunity, Antigens
Trypanosoma cruzi, antigenic composition of 2 strains, analytical polyacrylamide-gel electrophoresis, immunoelectrophoresis

Immunity, Antigens
Trypanosoma cruzi, glycoprotein complex extracted from epimastigotes capable of inhibiting immunofluorescence and hemagglutination tests performed with human sera and forming complement fixing immune complexes with both human and hyperimmune sera

Immunity, Antigens
Cysticercus cellulosae, crude antigen, division into antigenic fractions of carbohydrates, proteins and RNA, adequate specificity for immunodiffusion tests
Immunity, Antigens


Fasciola hepatica, structure of 41 antigens, serologic activity in rabbits using 5 tests

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Fasciola hepatica, solubilization of antigens which are reactive with anti-Schistosoma mansoni antiserum

Immunity, Antigens

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Immunity, Antigens


Schistosoma japonicum-infected mice, appearance of circulating antigen

Immunity, Antigens

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Schistosoma japonicum-infected rabbits, circulating antigen, detection and characterization

Immunity, Antigens


Schistosoma mansoni, human kidneys from autopsies, schistosomal antigen, immunoglobulins, complement C3, and fibrinogen

Immunity, Antigens


Echinococcus granulosus, polyhexosamine ceramide complex antigen isolated from hydatid fluid: use in quantitative complement fixation test with Echinococcus-positive human sera; mice sensitized with this antigen, precipitating antibodies

Immunity, Antigens


Schistosoma mansoni schistosomula in vitro and in mouse lung, early developmental changes studied from perspective of surface antigenic expression and parasite motility, these changes may play role in determining survival of parasites in normal or immune host

Immunity, Antigens

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Wuchereria bancrofti, human, circulating filarial antigen, detection, concentration, and identification, countercurrent immunoelectrophoresis, Ouchterlony double diffusion

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Trypanosoma cruzi, amastigote and trypanomastigote forms, surface antigen, relationship to virulence

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Fasciola hepatica, Schistosoma mansoni, purification of specific antigens by means of a combination of Laurell crossed immunoelectrophoresis for immunization using complexed antigen and affinity chromatography with monospecific antibody
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Kilejian, A., 1978, Science (4359), v. 201, 922-924
Plasmodium lophurae, ducklings, successful immunization with purified and characterized histidine-rich protein as antigen, use of adjuvant is not required for this protective effect and immunity can be passively transferred with serum

Immunity, Antigens
Anaplasma marginale Pawhuska isolate, ultrastructural localization of anaplasmal antigens with ferritin-conjugated antibody, antigenic sites appear to be outer surface of pellicle, chromatins of initial body, and inclusion appendage

Immunity, Antigens
Anaplasma sp. Pawhuska isolate, heifer (exper.), ultrastructure of anaplasmal inclusions and their appendages in intact and hemolyzed erythrocytes and in complement-fixation antigen, importance of preparatory treatment in visualization of inclusion bodies

Immunity, Antigens
Fasciola hepatica, rats immunized with Galba truncatula or Lymnaea truncatula antigens, subsequently infected with metacercariae from same or different snail species, intensity of infection, liver anatomo-pathological changes, parasite adaptation to snails discussed

Immunity, Antigens
Langreth, S. G.; and Reese, R. T., 1979, J. Exper. Med., v. 150 (5), 1241-1254
Plasmodium falciparum, immunocytochemical localization of antibodies from immune sera on surfaces of infected erythrocytes and of merozoites

Immunity, Antigens
Trypanosoma brucei, antigenic structures expressed in course of parasite life cycle, immunoelectrophoretic analysis and comparative study with various taxa within the family and phylum, extensive review

Immunity, Antigens
Trypanosoma brucei EATRO 1125-derived AnTat serodeme, first patent blood stream population following fly transmission shown to be markedly heterogeneous and composed of 19 distinct variable antigen types, possible importance to epidemiologic investigations and future prospects for vaccinations

Immunity, Antigens
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Trypanosoma congolense, stocks from East and West Africa, antigenicity and serological relationships

Immunity, Antigens
nematodes, antigenic structure as related to vaccination of animals, review; Nippostrongylus brasiliensis, rats, vaccination using live and killed worms

Immunity, Antigens
Moniezia expansa antigens, isolation and chemical analysis

Immunity, Antigens
Trichinella spiralis, partially purified antigenic fraction from muscle larva which detects hemagglutinin and precipitin antibodies in infection sera of rats, rabbits, and swine up to one year after single infection

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Trypanosoma cruzi, immobilized antigens (using polyamide as immunoadsorbent matrix) in indirect enzyme antibody linked method, possible application in diagnosis and antibody isolation

Immunity, Antigens
human cysticercosis, description of new antigen used for a cutaneous diagnostic test, antigen is considered specific, sensitive and easy to use, suggested as test of choice for epidemiologic studies

Immunity, Antigens
Schistosoma japonicum, humans, diagnosis, improved procedures for circuimalo precipitin test and for preparing egg antigen, comparative study on test reading techniques, highly sensitive for mass examination in endemic areas: Leyte

Immunity, Antigens
kala-azar patient serum gives positive reactions in complement fixation reaction using BCG antigen, purification of BCG antigenic fractions related to Leishmania donovani

Immunity, Antigens
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cross-reactions between Trypanosomatidae cell extracts and HLA antigens
Immunity, Antigens
Echinococcus granulosus, concentration of antigens 4 and 5 in hydatid cyst fluids from various organs and various animal species, standardization of antigenic material for immunodiagnosis of hydatid disease

Immunity, Antigens
Schistosoma spp., human, specific IgM and IgG antibody response to polysaccharide antigen present in schistosome gut, indirect immunofluorescent technique, easily performed reliable diagnostic test with high sensitivity and specificity

Immunity, Antigens
Dipetalonema viteae, somatic antigens of adult worms and microfilariae, isoelectric focusing and immunochromatographic studies

Immunity, Antigens
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Immunity, Antigens

Immunity, Antigens
Ascaris lumbricoides (var. suum), humans, mice, allergens investigated using radioallergosorbent test and passive cutaneous anaphylaxis test, cross-reactions with other helminths, some biochemical and immunobiological properties of allergens

Immunity, Antigens
Toxoplasma gondii, human toxoplastic retinochoroiditis, determination of human leucocyte-A antigens, no significant difference in infected vs. non-infected persons

Immunity, Antigens
Anaplasma marginale complement fixation test antigens, liquid nitrogen storage by a multiple small aliquot technique

Immunity, Antigens
muco-cutaneous leishmaniasis, human, greater sensitivity to skin test using crude extract of Leishmania braziliensis than to promastigote suspension used as antigen

Immunity, Antigens
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Schistosoma mansoni, Fasciola hepatica, demonstration of common antigen

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Trypanosoma cruzi, membrane and flagellar fractions, isolation and characterization: electron microscopy; enzyme composition; gel immunodiffusion test

Immunity, Antigens
potential protective parasite antigens, evaluation by studying interactions with known binding molecules which allow rapid purification, implications for possible development of non-living vaccines, colloquium presentation

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antigens of helminths, extensive review: immunity to helminths; pathophysiology of antigens; immunodiagnosis and immunoprevention

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Syngamus trachea, antigenic structure studied by gel electrophoresis and by immuno-electrophoresis including staining for enzyme activity, cross-reactions with Trichinella spiralis and Ascaris lumbricoides

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Fasciola hepatica, immunodiagnosis, application of Defined Antigen Substrate Spheres system to immunofluorescence and immunohisto-peroxidase reactions, cross-reactivity with Schistosoma mansoni

Immunity, Antigens
Echinococcus granulosus, hydatid cyst fluid, antigenic analysis reveals parasite-specific components and components common to various helminths and to the intermediate host

Immunity, Antigens
Plasmodium berghei, mice, immunization, possible role of plasmodial antigens exposed on surface of infected reticulocytes in induction of protective immunity, observations on entry of parasites into red blood cells, symposium presentation

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Immunity, Antigens
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Trypanosoma evansi, antigenic analysis

Immunity, Antigens
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African trypanosomiasis, immunity and antigenic variation, clinical observations suggestive of immune phenomena, review

Immunity, Antigens
echinococcal or alveococcal antigen-antibody complexes used to immunize rabbits, resulting sera with narrow specificity, useful for immunochemical analysis of echinococcal or alveococcal antigens

Immunity, Antigens
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Trypanosoma brucei EATRO 427, characterization of surface membrane with lectins, protectins, and blood group antisera

Immunity, Antigens
Schistosoma mansoni, immunoelectrophoretic cross-reactions between antigens of different life cycle stages

Immunity, Antigens
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Schistosoma mansoni infected and non-infected Biomphalaria glabrata and B. alexandrina, immunoelectrophoretic cross-reactions between hepatopancreas antigens

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Anaplasma marginale, Paranaplasma caudata, antigenic differences determined by passive hemagglutination and hemagglutination inhibition test

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African trypanosomiasis, immunoenzymatic diagnosis comparing purified exoantigen and 5 crude extracts from strains of Trypanosoma b. brucei and T. b. gambiens; best sensitivity obtained with virulent strains of human origin

Immunity, Antigens
Schistosoma mansoni, antigenic characterization of malate dehydrogenase isoenzymes by immunoelectrophoresis, malate dehydrogenase antigens in S. mansoni, S. haematobium, and S. bovis are immunologically indistinguishable, attempted use of these antigens in defined antigen substrate spheres system, not sensitive enough for immunodiagnosis

Immunity, Antigens
Trypanosoma congolense, characterization of surface coat, single specific glycoprotein as surface antigen, overall similarities with surface coat of T. brucei

Immunity, Antigens
Leishmania adleri, virulence for Cricetus auratus increases with successive passage, ultrastructure of leptomond stage and characteristics of localization of specific antigens, antigenic comparison with Leishmanis of mammals and leptomondads of reptiles

Immunity, Antigens
Schistosoma mansoni-infected rats, detection of circulating schistosome antigens (CSA) and circulating immune complexes (CIC), possible role played by CIC in protective mechanisms to challenge infection

Immunity, Antigens
Schistosoma mansoni, human, circulating antigens, antibodies, and immune complexes in milk from infected mothers

Immunity, Antigens
Schistosoma mansoni-infected mice, circulating antigens and immune complexes

Immunity, Antigens
S[chistosoma] mansoni, extraction of 3 antigenic fractions from adult worms using KCI; fractions used for immunodiagnostic study by electrophoresis

Immunity, Antigens
Plasmodium knowlesi in Macaca mulatta, parasite-induced antigens in membranes of parasitized erythrocytes, possible relevance to development of antimalarial vaccines

Immunity, Antigens
Plasmodium knowlesi, 2 parasite-specific antigens on surface of schizont-infected Macaca mulatta erythrocytes induce antibody production in immune hosts

Immunity, Antigens
Leishmania donovani promastigotes, exometabolites, isolation and initial characterization
Immunity, Antigens
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Schistosoma mansoni, Schistosoma haematobium, species-specificity of immediate hypersensitivity to schistosomal proteolytic enzyme (mouse mast cell degranulation and monkey skin tests)

Immunity, Antigens
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Schistosoma mansoni, S. haematobium, humans, demonstration of circulating bilharzial antigens using indirect haemagglutination and complement fixation techniques, correlation between % of positive cases and host age, duration of infection, clinical presentation, schistosome species, intradermal test results, and effect of chemotherapy

Immunity, Antigens
Plasmodium knowlesi, surface properties of normal rhesus monkey erythrocytes and of infected erythrocytes, externally disposed protein used as probes of surface changes, pigment-free preparation of membrane proteins obtained, possible application in preparing specific antigens

Immunity, Antigens
Shoeb, S. N.; et al., 1976, Egypt. J. Bilharz., v. 3 (2), 169-182
Schistosoma mansoni-infected mice, attempted immunization using metabolic and somatic antigens prepared from eggs, cercariae and adult worms, assessment of results based on presence of immunoglobulins and histopathologic findings; adult worm antigens gave best results with reduced worm load, delayed ovulation and reduced ova in liver tissues and in stools

Immunity, Antigens
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bilharziasis, humans, diagnosis using fractionated Fasciola gigantica antigens for intradermal test vs. homologous Schistosoma mansoni antigen

Immunity, Antigens

Immunity, Antigens
Trypanosoma cruzi epimastigotes, method of isolation of plasma membrane vesicles, general analysis of their properties, protein and carbohydrate content, antigenicity

Immunity, Antigens
Trypanosoma cruzi-infected rats, early immune reactions suggest relationship between circulation of antigens, formation of antigen-antibody complexes, and the fixation of complement by these complexes

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Schistosoma mansoni, acquisition of antigens in intracellular substance of mouse skin by schistosomes

Immunity, Antigens
Hydrostrongylus rubidus, antigens prepared from various developmental stages and fractionation of adult worms, activity and usefulness as aid to serodiagnosis by passive haemagglutination and skin hypersensitivity reactions

Immunity, Antigens

Immunity, Antigens
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Trypanosoma cruzi cell surface proteins: identification of one major glycoprotein

Immunity, Antigens
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malaria, human sera, micro enzyme-linked immunosorbent assay used with in vitro-cultured Plasmodium falciparum as antigen

Immunity, Antigens
Stanley, H. A.; Honigberg, B. M.; and Cunningham, I., 1978, J. Protozool., v. 25 (2), 245-252 Trypanosoma brucei brucei, bloodstream and culture forms, analysis of antigenic composition by quantitative direct fluorescent antibody methods

Immunity, Antigens
Stanley, H. A.; Honigberg, B. M.; and Cunningham, I., 1979, Tschr. Parasitenk., v. 58 (2), 141-149
Trypanosoma brucei brucei, mice, antigenic analyses of first-peak parasitemias initiated with culture- and tsetse fly-derived metacyclics, agglutination technique

Immunity, Antigens
Ascaris suum, crude extract (preparation, toxic manifestations, mast-cell degranulating peptide, production and detection of reaginic antibodies), allergen (purification and properties, allergens released during active infection), brief remarks on allergens of other nematodes, review
Immunity, Antigens
Trypanosoma brucei brucei, use of lectin affinity chromatography to isolate major surface coat glycoprotein (variant antigen), further purification by DEAE-cellulose chromatography

Immunity, Antigens
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Ascaris suum, protective antigen from developing larvae, isolation and partial characterization

Immunity, Antigens
Sullivan, T. J.; Parker, K. L.; and Parker, C. W., 1973, Research Commun. Chem. Path. and Pharmacol., v. 6 (2), 769-771
Bipolaria immitis incubated in dog blood, ability of antibody-enzyme conjugates to specifically kill microfilariae, conjugates shown to attach to parasitic surfaces, attachment inhibited by soluble D. immitis antigens indicating that immunologically specific reaction involved

Immunity, Antigens
Litomosoides carinii, excretory/secretory and somatic antigens studied in double diffusion, immunoelectrophoresis, complement fixation, and indirect hemagglutination tests using serum from infected cotton rats and immunized rabbits, cross-reactions with serum from Bipolaria immitis-infected dogs in double diffusion test

Immunity, Antigens
Tserliiski, A.; Baicheva, O.; and Dragneva, N., 1977, Khelminologiia, Sofiia, v. 4, 68-72
Ascaris suum, no antigenic similarity with Ditylenchus dipsaci, negative cross-reactions, cross intracutaneous test

Immunity, Antigens
Babesia bigemina, immune response of calves to acute and chronic blood- and tick-borne infections with 4 stabilates, reduced immune response to homologous challenge but marked response to heterologous challenge indicated antigenic differences between isolates

Immunity, Antigens
Tompel, Kh. Ia.; and Teras, Iu. Kh., 1978, Veterinarriia, Moskva (9), 96-98
Trichinella foetus, strain differences in antigenic properties tested in rabbits

Immunity, Antigens
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Ascaris suum, A. lumbricoides, Toxocara mystax, A. galli, adult specimens, common and species-specific antigens, antigenic composition of different sexes within each species

Immunity, Antigens
Toxoplasma gondii tissue antigens more sensitive than exudate-antigens in complement fixation test using human, rat, and rabbit sera

Immunity, Antigens
Triangle, K. L.; et al., 1979, Parasite Immunol., v. 1 (2), 133-140
Schistosoma mansoni, S. haematobium, school children, prevalence and severity of infection in relation to blood group type and ability to secrete blood group antigens: Swaziland

Immunity, Antigens
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Toxoplasma gondii, purified tachyzoite pellicle, ultrastructure and antigenicity

Immunity, Antigens
Angiostrongylus cantonensis, rats, immunization with excretory/secretory antigens of male vs. female worms, effect on subsequent infection by infective 3rd stage larvae

Immunity, Antigens
Schistosoma mansoni-infected mice, presence of circulating polysaccharide schistosomal antigen in Kupffer cells demonstrated by immunofluorescence

Immunity, Antigens
Toxoplasma gondii, failure to detect mouse species-specific antigens in highly purified Toxoplasmin
Immunity, Antigens
Trypanosoma lewisi, surface membrane antigen, isolation and characterization, protection of immunized rats against challenge

Immunity, Antigens
Schistosoma mansoni, Trichinella spiralis, biology of natural infections within mammalian host, antigens produced by different parasite stages, host immunological responses to these antigens in vivo and in vitro, consequences to host in terms of both immunity and immunopathology, colloquium presentation

Immunity, Antigens
4 nematode spp. in natural and zoonotic hosts and in immunized rabbits, immunodiagnosis, comparative efficacy of 3 immunofluorescence tests using antigens purified by affinity chromatography

Immunity, Antigens
Willadsen, P.; and Riding, G. A., 1979, Internat. J. Parasitol., v. 9 (2), 89-95
Boophilus microplus, partial purification of allergen 2, allergens 1 and 2 tested on cattle for relationships between tick resistance, immediate hypersensitivity reactions, reaginic antibody levels as measured by Prausnitz-Kustner type reactions, and serum levels of agglutinating antibody

Immunity, Antigens
Wilson, R. J. M., 1974, Ciba Found. Symp., n.s. (25), 185-203
Soluble parasite antigens, possible modes of interference with immune response, review

Immunity, Antigens
Circulating antigens of parasites, source, nature, fate, and possible effects on immune response, colloquium presentation

Immunity, Antigens
Echinococcus granulosus-, Taenia hydatigena-, and T. ovis-infected sheep, immunoelectrophoretic (IEP) identification of 'arc 5' antibodies in sera; antigen similar to 'arc 5' antigen of E. granulosus cyst fluid demonstrated in T. hydatigena cyst fluid but not positively identified in T. ovis cyst fluid; evaluation of performance of IEP
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Theileria annulata, calves (exper.), anemia produced by excessive removal of erythrocytes from circulation by phagocytes, involvement of auto-immune mechanism

Immunity, Autoimmunity


Entamoeba histolytica, liver auto-antibodies in sera from both naturally infected humans and immunized rabbits

Immunity, Autoimmunity


Leucocytozoon caulleryi, chickens, auto-cold hemagglutinin in plasma

Immunity, Autoimmunity


Oechsneroccosis: experimental infection of calves, lambs, and piglets with swine and ovine strains, possibility of autoimmune aspects of pathogenesis

Immunity, Autoimmunity


Plasmodium falciparum, children, no evidence that any of several immunological factors investigated plays important role in pathogenesis of anemia

Immunity, Autoimmunity


Plasmodium yoelii in intact and T cell-deprived mice carrying CBA/N x chromosome, course of infection: specific fluorescent antibody levels, anti-erythrocyte autoantibody body responses; effect of CBA/N x chromosome on secondary responses

Immunity, Autoimmunity


Trypanosoma cruzi, human, presence of circulating antibodies to peripheral nerve, significant association with EIA antibodies, possible role in pathogenesis of Chagas' disease

Immunity, Autoimmunity

Kobayakawa, T.; et al., 1979, J. Immunol., v. 122 (1), 298-300

Trypanosoma brucei brucei, mice, polyclonal B cell activation, not dependent on influence of T cells, unlikely that lipo-polysaccharides of endogenous gram-negative bacteria play role, autoimmune responses to DNA, red blood cells, and thymocyte antigens were observed in association with polyclonal antibody synthesis

Immunity, Autoimmunity


Trypanosoma rhodesiense-infected rats, proliferative glomerulonephritis, hypocomplementemia, nucleic acid antibodies, feasibility of rat as model host

Immunity, Autoimmunity

Louis, J.; et al., 1978, Pharmacol. Immunopath., 225-236

Trypanosoma brucei, mice, strong polyclonal B cell activation, appearance of autoantibodies with various specificitites

Immunity, Autoimmunity


B cells: subpopulations, tolerance, autoimmunity, and infection, review including some discussion of Schistosoma mansoni and malarial

Immunity, Autoimmunity


Plasmodium berghei, mice, formation of two types of immune complex (one with and one lacking plasmodial antigen) and their deposition in renal glomeruli, immune complexes lacking parasite antigen may be involved in secondary autoimmune (anti-sMOOTH muscle) process, possible induction mechanism of autoantibodies, symposium presentation

Immunity, Autoimmunity


Trypanosoma cruzi-infected humans, presence of IgG and IgM antibodies to neurons demonstrated by immunofluorescence

Immunity, Autoimmunity

Rickman, W. J.; and Cox, H. W., 1979, J. Parasitol., v. 65 (1), 65-73

Trypanosoma brucei rhodesiens-infected rats, syndrome characterized by anemia, splenomegaly, and glomerulonephritis, accompanied by presence of 3 autoantibodies and by presence of fixed complement and fibrinogen on trypanosomes and erythrocytes

Immunity, Autoimmunity

Ritacco, V.; et al., 1977, Rev. Neurol. Argentina, v. 3 (3), 439-447

T[rypanosoma] cruzi, human, description of human serum gamma globulin factor associated with antibody against peripheral nerves

Immunity, Autoimmunity


Plasmodium berghei yoelii, mice, plaque-forming cell assays used to reveal pattern of both total and antigen-specific spleenic B lymphocyte activation and to define anti-erythrocytic autoimmune response, both responses shown to be T-cell dependent

Immunity, Autoimmunity


T[rypanosoma] cruzi, human, pathophysiology of neuronal destruction, presence of IgG and IgM antibodies to neurons demonstrated in human serum, sequence of pathologic events detailed in infected mice

Immunity, Autoimmunity

Santos-Buch, C.; et al., 1978, Immunopathol., v. 7, Internat. Symp. (Bad Schachen, Germany, June 14-19, 1976), 205-220

Trypanosoma cruzi, role of immune reactions on pathogenesis of Chagas' disease, review
Subject Headings

Immunity, Autoimmunity
Trypanosoma cruzi, persistence of tissue-reacting (EVI) antibodies in nifurtimox-treated patients followed for several months to 2 years, implications for significance of EVI antibodies in pathogenesis of Chagas disease

Immunity, Autoimmunity
Shear, H. L.; Nussenzweig, R. S.; and Bianco, C., 1979, J. Exp. Med., v. 149 (6), 1288-1298
Plasmodium berghei-infected mice, phagocytosis of erythrocytes by spleen macrophages appears to be mediated by Ig on surface; other indications of spleen macrophage activation; phagocytosis is inhibited later in infection by serum factors possibly immune complexes; high levels of anti-Forssman antibodies

Immunity, Cell-mediated
Trypanosoma cruzi, rhesus monkey infected for 29 years, detection of tissue-reacting antibodies similar to those described in human Chagas' disease

Immunity, Cell-mediated
Chagas' disease, serum antibody titers, delayed skin response, inhibition of leukocyte migration by Trypanosoma cruzi antigen and by cross-reactive heart cell antigen, cytoxicity of sensitized T-lymphocytes to parasitized human heart cells

Immunity, Autoimmunity
Thoongsuwan, S.; and Cox, H. W., 1978, J. Parasitol., v. 64 (4), 669-673
Trypanosoma lewisi, ATC strain in Sprague-Dawley rats, anemia, splenomegaly, and glomerulonephritis accompanied by presence of cold-active hemagglutinin for trypsinized rat erythrocytes

Immunity, Autoimmunity
Thoongsuwan, S.; and Cox, H. W.; and Patrick, R. A., [1979], J. Parasitol., v. 64 (6), 1978, 1050-1056
Trypanosoma lewisi, Babesia rodhaini, Plasmodium chabaudi, rats, acquired nonspecific resistance associated with recovery from various infectious anemias, association with immunoconglutinin activity, infections also stimulated production of cold-active hemagglutinin

Immunity, Autoimmunity
Thoongsuwan, S.; Cox, H. W.; and Patrick, R. A., [1979], J. Parasitol., v. 64 (6), 1978, 1050-1066
Plasmodium chabaudi, Babesia rodhaini, rats, serologic specificity of immunoconglutinin associated with infectious anemia and its role in nonspecific acquired resistance

Immunity, Autoimmunity
Thoongsuwan, S.; Cox, H. W.; and Rickman, W. J., 1979, J. Parasitol., v. 65 (3), 426-429
Plasmodium chabaudi, Babesia rodhaini, Trypanosoma lewisi, rats, presence of antibody to fibrinogen/fibrin products, association with cold-activated hemagglutinin and immunoconglutinin, temporal relationships with anemia and parasitemia

Immunity, Cell-mediated
Echinococcus multilocularis-infected mice, specific and nonspecific cell-mediated immune responses at various time intervals, data indicate that mice with chronic hydatidosis exhibit depressed in vivo CMI responses

Immunity, Cell-mediated
Taenia crassiceps, rats, differences in susceptibility to infection and development of immunocompetence in relation to host strain and age

Immunity, Cell-mediated
Taenia crassiceps, neonatal rats, adoptive transfer of immunity and immunocompetence with lymph node cells

Immunity, Cell-mediated
human intestinal schistosomiasis mansoni before and after treatment with aminonitrothiazole, immunoglobulin levels, immediate and delayed cutaneous hypersensitivity

Immunity, Cell-mediated
Echinococcus granulosus, mice with secondary hydatidosis, cell-mediated immune response in relation to humoral immune response and cyst development, passive protection with spleen cells

Immunity, Cell-mediated
Arredondo, B.; and Perez, H., 1979, Infect. and Immun., v. 25 (1), 10-22
Leishmania mexicana, mice, chronic infection, alterations of immune response, results suggest role for suppressor cells in pathogenesis of diffuse cutaneous leishmaniasis

Immunity, Cell-mediated
Askenase, P. W., 1979, J. Allergy and Clin. Immunol., v. 64 (2), 79-89
immune recruitment of basophils to cutaneous basophil hypersensitivity (CBH) reactions, regulation of tissue basophilia, anaphylactic function of basophils at CBH reactions, clinical consequences of basophil accumulation at CBH reactions, role of mast cells in delayed-type hypersensitivity, review

Immunity, Cell-mediated
Au, A. C. S.; and Ko, R. C., 1979, Ztschr. Parasitenk., v. 59 (2), 161-168
Trichinella spiralis, Angiostrongylus cantonensis, cross-resistance in laboratory rats
Immunity, Cell-mediated
Chensue, S. W.; and Boros, D. L., 1979, J. Immunol., v. 123 (3), 1409-1414
Schistosoma mansoni, characterization of T lymphocytes involved in adoptive suppression of granuloma formation in infected mice

Immunity, Cell-mediated
Chinchilla, M.; and Frenkel, J. K., 1978, Infect. and Immun., v. 19 (3), 999-1012
Toxoplasma gondii, Besnoitia cellisoni, antigen-treated lymphocytes from immune hamsters can directly confer immunity not only to macrophages but also to fibroblasts and kidney cells, infection-specific mediators can be derived from immune lymphocytes in presence of antigen and also confer immunity to macrophages and somatic cells

Immunity, Cell-mediated
Claas, F. H. J.; and Deelder, A. M., 1979, J. Immunogenet., v. 6 (3), 167-175
Schistosoma mansoni, mice of 2 congenic inbred strains, immune response (worm burden, mortality, antibody titre, spleen index, eosinophils, delayed type hypersensitivity, in vitro response to S. mansoni antigen preparations), results indicate H-2 region influences course of acute infection but not susceptibility to infection

Immunity, Cell-mediated
Cohen, J.; and Spry, C. J. F., 1979, Parasite Immunol., v. 1 (2), 167-178
Strongyloides stercoralis, West Indian man, associated small intestinal lymphomas causing obstruction, deficiency of T lymphocytes and eosinophils, lymphoma may have led to reduction in cellular immunity with subsequent development of Strongyloides hyperinfection

Immunity, Cell-mediated
Strongyloides stercoralis, use of unprimed mouse lymphocytes by living plant immunity

Immunity, Cell-mediated
Schistosoma mansoni, in vitro nonspecific suppression of phytohemagglutinin responsiveness induced by exposure to certain schistosomal preparations

Immunity, Cell-mediated
Colley, D. G.; Lewis, F. A.; and Todd, C. W., 1979, J. Immunol., v. 123 (1), 192-200
Schistosoma mansoni, mice, adaptive suppression of granuloma formation by T lymphocytes and by lymphoid cells sensitive to cyclophosphamide

Immunity, Cell-mediated
Corbett, R.; et al., 1975, Transplant. Proc., v. 7 (4), 557-559
Demodex canis, dogs, defect in cell-mediated immunity

Immunity, Cell-mediated
Plasmodium berghei and P. yoelii-vaccinated mice, manifestations of cell-mediated immunity

Immunity, Cell-mediated
Coulis, P. A.; Lewert, R. M.; and Fitch, F. W., 1978, J. Immunol., v. 120 (1), 58-60; Erratum (3), 1075-1076
Schistosoma mansoni, depression and restoration of cell-mediated cytotoxicity of spleen cells from infected mice, present studies suggest role of macrophage rather than T-cell as suppressor cell in this model

Immunity, Cell-mediated
Nippostrongylus brasiliensis vs. Nematospiroides dubius, several features of intestinal stages in mice, complexity of worm excretory/secretory (ES) products and efficiency in induction of resistance, comparison of ES products with respect to in vitro T and B cell mitogenicity, capacity to induce and/or elicit delayed type hypersensitivity responses, and capacity to induce reaginic and precipitating antibody responses

Immunity, Cell-mediated
Angiostrongylus cantonensis, rats (exper.) humoral and cell-mediated immune responses to somatic and metabolic antigens analyzed using hemagglutination, macrophage migration inhibition, and cutaneous hypersensitivity tests

Immunity, Cell-mediated
Dixon, J. B.; et al., 1978, J. Parasitol., v. 64 (5), 949-955
Echinococcus granulosus, blastic stimulation of unprimed mouse lymphocytes by living protoscolices, possible connection with transplant immunity

Immunity, Cell-mediated
Schistosoma mansoni in T-cell deprived vs. normal mice, parasitology (worm burdens, tissue and fecal egg counts), host response (hematology, serum transaminase levels), ameliorating effect of administering homologous chronic infection serum or heterologous rabbit anti-S. mansoni egg antiserum, roles played by cell-mediated vs. humoral immune responses in reaction against schistosome egg products

Immunity, Cell-mediated
Duffus, W. P. H.; et al., 1978, Infect. and Immun., v. 22 (2), 492-501
Theileria parva, Trypanosoma rhodesiense, 51Cr-labeled chicken erythrocytes coated with protozoal antigens form suitable targets for bovine antibody-dependent cell-mediated cytotoxicity assays
Immunity, Cell-mediated
El-Raziki, E. H.; et al., 1977, J. Immunol., v. 120 (3), 155-161
Schistosoma mansoni, S. haematobium, humans, delayed skin test reactions to S. mansoni antigen were increased with host age and severity of infections and were more frequent in males, correlations with immediate skin test reactions

Immunity, Cell-mediated
cellular basis of immune sensitization, review

Immunity, Cell-mediated
Ferguson, A.; and MacDonald, T. T., 1977, Ciba Found. Symp., n.s. (46), 305-327
effects of local delayed hypersensitivity on the small intestine, review including some information on Giardia lamblia and Nippostrongylus brasiliensis

Immunity, Cell-mediated
Trypanosoma rhodesiense-immunized mice, delayed-type hypersensitivity elicited, results suggest that T-cell activation was necessary component in protective response

Immunity, Cell-mediated
Plasmodium, delayed-type hypersensitivity to sheep erythrocytes was depressed during fatal P. berghei and self-limiting P. yoelii infections in mice, immunological lesion found to be at level of DTH expression (i.e., inflammatory response) rather than at level of T cell sensitization

Immunity, Cell-mediated
Gabriel, W. B.; and Justus, D. E., 1979, J. Parasitol., v. 65 (3), 275-285
Trichinella spiralis, mice, quantitation of immediate and delayed hypersensitivity responses, correlation with worm expulsion

Immunity, Cell-mediated
Entamoeba histolytica, cellular reactions to amoebic antigen in patients with amoebic liver abscess and intestinal amoebiosis

Immunity, Cell-mediated
Entamoeba histolytica, isolation of antigen fraction responsible for delayed hypersensitivity in amoebiosis, macrophage migration inhibition

Immunity, Cell-mediated
Toxoplasma gondii, mice, effect of host age on lymphocyte responsiveness and macrophage activation during acute and chronic infection, results suggest that increased 'antigenic load' in older mice with chronic infection may result in enhanced cell-mediated immunity but at extreme of old age there is major decline in inductive mechanism which overrides this stimulation

Immunity, Cell-mediated
Gerbase-DeLima, M.; Carlquist, I.; and Mendes, N. F., 1979, Cellular Immunol., v. 48 (1), 231-234
specificity of local transfer of cell-mediated immunity to several antigens (including leishmanin) with dialyzable transfer factor

Immunity, Cell-mediated
cellular regulation of immune responses, colloquium presentation

Immunity, Cell-mediated
Glauber, A. M.; et al., 1978, J. Cell Sci., v. 34, 175-192
Schistosoma mansoni, mechanism of antibody-dependent eosinophil-mediated damage to schistosomula in vitro, phase-contrast and electron microscopic study

Immunity, Cell-mediated
Gold, D.; et al., 1978, J. Parasitol., v. 54, 866-873
Entamoeba histolytica, serologic and cell-mediated immune responses of Mesocricetus auratus exposed to 2 parasite strains, indirect hemagglutination test, lymphocyte transformation, migration inhibition of macrophages, some evidence of immunosuppression

Immunity, Cell-mediated
Plasmodium falciparum-infected human red blood cells, supernatants from cultures stimulated lymphocytes from both malaria immune and malaria-non-immune donors, parasite-derived mitogen may play role in pathogenesis of hypergammaglobulinaemia

Immunity, Cell-mediated
Leishmania tropica, susceptibility in intact and nude mice of various genotypes and at level of macrophage in vitro, possible nature of immunological defect responsible for persistent disease in susceptible mouse strains
Immunity, Cell-mediated
Hashimoto, A., 1972, Showa Igakkai Zasshi (J. Showa Med. Ass.), v. 32 (6), 292-296
Hymenolepis nana, mice, immunity acquired from primary infection suppressed by rabbit antimouse thymocyte serum but not by antimouse lymphocyte serum

Immunity, Cell-mediated
Toxoplasma gondii, interactions in vitro with mouse cells, review

Immunity, Cell-mediated
Nippostrongylus brasiliensis in vitro, reactions to serum, lymphocytes, and peritoneal cells of immune or non-infected rats added in various combinations to culture media

Immunity, Cell-mediated
Ito, Y.; et al., 1975, Kiseichugaku Zasshi (Jap. J. Parasitol.), v. 24 (6), 351-359
Trichomomas foetus, mice, protective role of immune lymphoid cells and phagocytes, microscopical observations

Immunity, Cell-mediated
Cell-mediated immune reactions in diseases of the bovine, review including brief section on Anaplasma marginale

Immunity, Cell-mediated
Toxoplasma gondii, alterations in mice infected with toxoplasmas attenuated in virulence, effects of antibodies to toxoplasmas on survival and growth of these organisms in vitro, multiplication of toxoplasmas within macrophages from normal and immunized mice, requirements for lymphocytes and for toxoplasma antigen for induction in macrophages of ability to suppress Toxoplasma multiplication and variation in these requirements with time after immunization, further characterization of lymphocyte-antigen effect on macrophages, effects on Toxoplasma multiplication in macrophages of supernates of immune lymphocyte-Toxoplasma antigen interactions

Immunity, Cell-mediated
Ctenocephalides felis orientis in 4 human volunteers, dermatitis, immediate and delayed hypersensitivity

Immunity, Cell-mediated
Trichinella spiralis, mice, dynamics of stimulation of T and B lymphocytes in intestines, muscles, and lymphatic organs in different phases of infection, results indicate that delayed hypersensitivity is not responsible for expulsion

Immunity, Cell-mediated
Schistosoma haematobium, mice, granuloma formation around eggs is largely cell-mediated immunologic reaction, is dependent on dose and route of sensitization, is relatively specific among the 3 schistosome species, and can be transferred with cells but not with serum from previously egg-sensitized mice; furthermore, egg-sensitized animals demonstrate immediate and delayed skin reactivity on challenge with egg antigens

Immunity, Cell-mediated
Kayes, S. G.; and Colley, D. G., 1979, J. Immunol., v. 122 (6), 2340-2344
Schistosoma mansoni, in vitro induction and assay of spleen cell suppressor activity

Immunity, Cell-mediated
Trichinella spiralis, antibody-dependent eosinophil-mediated destruction mechanism specific for newborn larval stage, destruction of adult worms or muscle larvae not observed

Immunity, Cell-mediated
Ankylostoma caninum, dogs, peripheral blood lymphocyte response to phytohaemagglutinin before and after development of iron deficiency anemia

Immunity, Cell-mediated
Kierszenbaum, F. ; and Pienkowski, M. M., 1979, Infect. and Immun., v. 24 (1), 117-120
Trypanosoma cruzi, mice, thymus-dependent control of host defense mechanisms

Immunity, Cell-mediated
Toxoplasma gondii, guinea pigs, effect of gonadectomy and oestrogen administration on development of lesions in non-lymphoid organs, results suggest that cell-mediated immunity is important in both pathogenesis of and resistance to non-lymphoid toxoplasmosis

Immunity, Cell-mediated
Klesius, P. H.; et al., 1975, Transplant. Proc., v. 7 (3), 449-452
Eimeria bovis, calves, delayed hypersensitivity (DH) response, passive transfer to other calves via lymphocytes and via cell-free transfer factor (TF), acquired immunity found in some calves receiving TF; DH skin reactivity for coccidial oocyst antigen and diphtheria toxoid was also passively transferred to rabbits, dogs, and rhesus monkeys with calf TF
Immunity, Cell-mediated
Eimeria ferrisi, cell-mediated immunity stimulated in mice by prophylactic treatment with bovine transfer factor (TFd) prepared from lymph node lymphocytes of cattle immune to E. bovis, lymphocyte stimulation and protection against clinical infection, susceptible mice given lymphocytes from donor mice treated with bovine TFd were also partly protected against clinical infection

Immunity, Cell-mediated
Klesius, P. H.; et al., 1979, Clin. Immunol. and Immunopathol., v. 12 (2), 143-149
Eimeria ferrisi, CS78L/6 mice, effects of immunization and treatment with transfer factor, results suggest this host strain has genetically determined defect in cell-mediated immune response to this infection

Immunity, Cell-mediated
Klesius, P. H.; and Hinds, S. E., 1979, Infect. and Immun., v. 26 (3), 1111-1115
Eimeria ferrisi, comparison of susceptibility in various inbred and F1 hybrid mouse strains and in nu/nu and nu/nu BALB/c mice, effect of treatment with rabbit anti-mouse thymocyte serum

Immunity, Cell-mediated
Kobayakawa, T.; et al., 1976, Japan. J. Med. Sc. and Biol., v. 29 (6), 351-357
Dirofilaria immitis, parasiticidal effect of normal peritoneal exudate cells (PEC) on microfilariae (MF) in diffusion chambers implanted in guinea pigs evoked by intra-peritoneal passive transfer of anti-D. immitis serum; in vitro cytotoxicity test demonstrated enhanced MF-killing activity of sensitized PEC with addition of antiserum

Immunity, Cell-mediated
Kolhe, N. P.; Lakshmi, P. N.; and Johri, G. N., 1979, Experientia, v. 35 (9), 1242-1243
Ancylostoma caninum, mice, passive transfer of acquired immunity through sensitized thymus and bone marrow cells

Immunity, Cell-mediated
Plasmodium chabaudi-infected mice (T-cell deprived, sham-thymectomized and normal), course of infection, comparison with P. yoelii; T-cell deprived mice with P. chabaudi (unlike P. yoelii) gave reactions similar to those of normal and sham-deprived mice indicating that this malaria model is not thymus dependent

Immunity, Cell-mediated
Schistosoma mansoni, humans, in vivo and in vitro study of cell-mediated immunity, research indicated that immune response is preserved in most patients but with minor deficiencies detected

Immunity, Cell-mediated
Schistosoma japonicum, humans, assay of lymphocyte blast transformation by whole blood culture technique under field laboratory conditions, measurement of response to phytohemagglutinin and to worm and egg antigens in relation to host age, sex, and level of egg excretion

Immunity, Cell-mediated
Liew, F. Y.; Dhaliwal, S. S.; and Teh, K. L., 1979, Immunology, v. 37 (1), 35-44
Plasmodium berghei, mice, effect of infection and of supernatant obtained from cultures of infected red cells on humoral (enhanced or suppressed) and cell-mediated (suppressed) immune responses to unrelated antigens

Immunity, Cell-mediated
Trypanosoma dionisii, T. vespertilionis, immunized mice, delayed-type hypersensitivity footpad response to homologous or heterologous species

Immunity, Cell-mediated
Loker, E. S., 1978, Exp. Parasitol., v. 46 (2), 134-140
Trypanosomatium douthiti, effect of irradiating miracidia on their infection of Lymnaea catascopium, results of later challenge with normal miracidia, failure to confer protection

Immunity, Cell-mediated
Trypanosoma cruzi, lysis of epimastigotes by eosinophils (entirely antibody-dependent) and neutrophils (significant antibody-independent component)

Immunity, Cell-mediated
Louis, J.; et al., 1979, European J. Immunol., v. 9 (11), 841-847
Leishmania tropica, mice, induction of specific T lymphocyte-dependent proliferative response

Immunity, Cell-mediated
Trichinella spiralis-infected mice, dynamics of antigen binding lymphocytes tested by rosette-forming cell technique

Immunity, Cell-mediated
MacKenzie, A. R.; Sibley, P. R.; and White, B. P., 1979, Parasite Immunol., v. 1 (1), 49-59
Trypanosoma brucei brucei-infected rats, differential suppression of 2 experimental allergic diseases

Immunity, Cell-mediated
Schistosoma mansoni-infected rhesus monkey, experimental animal model for dialyzable transfer factor
Immunity, Cell-mediated
Maddison, S. E.; et al., 1979, Infect. and Immun., v. 25 (1), 237-248
Schistosoma mansoni, rhesus monkeys, immunization, requirement for activation of both cell-mediated and humoral mechanisms

Immunity, Cell-mediated
Maddison, S. E.; et al., 1979, Infect. and Immun., v. 25 (1), 249-254
Schistosoma mansoni, cellular and humoral immune responses in Macaca mulatta with multiple chronic and early primary infections

Immunity, Cell-mediated
Toxoplasma gondii, 31 patients 3 months after outbreak, lymphocyte proliferative responsiveness (normal to nonspecific mitogens and increased to T. gondii antigen)

Immunity, Cell-mediated
Madeira, E. D.; et al., 1979, Infect. and Immun., v. 25 (1), 34-38
Trypanosoma cruzi, antibody-dependent cellular cytotoxicity of normal human blood cells against epimastigotes, main cytotoxic activity detected in granulocyte-rich fraction

Immunity, Cell-mediated
Mahmoud, A. A. F.; 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 955-961
Toxoplasma gondii, effect of mutation diabetes (marked immunosuppression) on host-parasite relationship in mice, decreased granulomatous response

Immunity, Cell-mediated
Plasmodium berghei, mice, phagocytosis of parasitized erythrocytes by mouse peritoneal macrophages, concluded that both humoral and cellular factors were important

Immunity, Cell-mediated
Cholera toxin as suppressor of in vivo cell-mediated immunity, including suppression of granuloma formation around Schistosoma mansoni eggs; possible value as adjunct to current therapy

Immunity, Cell-mediated
Manson-Smith, D. E.; Bruce, R. G.; and Parrott, D. M. V., 1979, Cellular Immunol., v. 47 (2), 285-289
Trichinella spiralis, mice, development of villous atrophy and crypt hyperplasia and expulsion of nematodes from small intestine are mediated by T cells

Immunity, Cell-mediated
Martinotti, M. G.; et al., 1979, Microbiologica, v. 2 (4), 405-408
Trichomonas vaginalis, in vitro microcytotoxicity assay for study of cell-mediated immunity against extracellular protozoa

Immunity, Cell-mediated
Masihi, K. N.; and Werner, H., 1978, J. Immunol., v. 121 (5), 2056-2059
Toxoplasma gondii, types of cells involved in antigen-stimulated and spontaneous rosette formation

Immunity, Cell-mediated
Matossian-Rogers, A., 1979, Clin. and Exper. Immunol., v. 36 (1), 38-45
Leishmania enriettii, L. tropica major, guinea pigs, macrophage spreading test in vitro, correlation with delayed hypersensitivity in vivo

Immunity, Cell-mediated
Immune mechanisms in protozoal infections, colloquium presentation

Immunity, Cell-mediated
Mayrhofer, G., 1979, Cellular Immunol., v. 42 (2), 312-322
Nippostrongylus brasiliensis, rats, effect of thymectomy and of depleting recirculating lymphocytes on jejunal mucosal mast cell response to infection

Immunity, Cell-mediated
Mendes, E., 1979, Cellular Immunol., v. 42 (2), 424-427
Transfer of delayed hypersensitivity to leishmanin (Montenegro reaction), remains to be established whether this alters clinical course of visceral leishmaniasis

Immunity, Cell-mediated
Mesfin, G. M.; and Bellamy, J. E. C., 1979, Infect. and Immun., v. 23 (1), 108-114
Eimeria falciformis var. pragensis, mice, (i) effects of immune response on life cycle, (ii) relative immunizing ability of different doses of oocysts, (iii) duration of acquired resistance; possibility that cell-mediated immune mechanism is responsible for arrest in schizogyne

Immunity, Cell-mediated
Mesfin, G. M.; and Bellamy, J. E. C., 1979, Infect. and Immun., v. 23 (2), 460-464
Eimeria falciformis var. pragensis, mice, thymic dependence of immunity

Immunity, Cell-mediated
Michel, J. C.; Lagrange, P. H.; and Hurtrel, B., 1979, Parasite Immunol., v. 1 (4), 267-275
Plasmodium-infected mice, profound alteration of inductive phase of delayed-type hypersensitivity and antibody formation to sheep erythrocytes when sensitization with antigen was performed intravenously at critical time of disease but not after subcutaneous immunization, suggests major role for spleen in mechanism of immunodepression

SUBJECT HEADINGS

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Immunity, Cell-mediated
Miller, H. R. P.; and Nawa, Y., 1979, Exper. Parasitol., v. 47 (1), 81-91
Nippostrongylus brasiliensis, rats, parasite elimination is associated with increase in proportion of intestinal goblet cells, this effect can be adoptively transferred by immune thoracic duct lymphocytes

Immunity, Cell-mediated
Nippostrongylus brasiliensis-infected rats adoptively immunized with different subpopulations of immune thoracic duct lymphocytes, intestinal goblet cell response, cells lacking surface immunoglobulin were most potent stimulators of goblet cell differentiation

Immunity, Cell-mediated
Mitchell, G. F., 1978, Contemp. Topics Immunobiol., v. 8, 53-67
metazoan and protozoan infections in nude mice, review

Immunity, Cell-mediated
Toxoplasma gondii, human, lymphocyte blastogenesis

Immunity, Cell-mediated
Moloney, A.; and Denham, D. A., 1979, Parasite Immunol., v. 1 (1), 3-12
Trichinella spiralis, effects of immune serum and cells on newborn larvae, in vitro and in vivo (mice) studies

Immunity, Cell-mediated
Murphy, J. R.; and Sefford, M. J., 1979, Infect. and Immun., v. 23 (2), 384-391
Plasmodium yoelii, mice, defense mechanism against infection is mediated by humoral factors in absence of demonstrable cell-mediated immunity

Immunity, Cell-mediated
Murray, H. W.; et al., 1979, J. Exper. Med., v. 150 (4), 950-964
Toxoplasma gondii, role of oxygen intermediates in macrophage killing and inhibition of growth of intracellular toxoplasmas

Immunity, Cell-mediated
Toxoplasma gondii, methods which demonstrate susceptibility to selected oxygen intermediates generated in cell-free system

Immunity, Cell-mediated
Giardia lamblia, humans, investigation of humoral and cellular immunity shows no impairment of immune functions

Immunity, Cell-mediated
Nasseril, M.; and Modabber, F. Z., 1979, Infect. and Immun., v. 26 (2), 611-614
Leishmania tropica major in BALB/c mice, generalized infection and lack of delayed hypersensitivity, comparison with other mouse strains which exhibit localized and self-healing infection with this organism

Immunity, Cell-mediated
Nayyar, F., 1979, Indian J. Med. Research, v. 69, 417-422
Lamblia carinii, albinino rats (exper.), relationship between dose size, resulting parasitemia, and immune response (cell mediated and humoral)

Immunity, Cell-mediated
cutaneous leishmaniasis resembling 'moist' form caused by Leishmania tropica major, 24-year-old male Peace Corps volunteer in Senegal, case report, persistent organisms in healing lesions following courses of treatment and in presence of normal humoral and cell-mediated immune response

Immunity, Cell-mediated
Trypanosoma cruzi, conditions for inducing and maintaining trypomocidal activity in both resident and inflammatory mouse peritoneal macrophages maintained in vitro

Immunity, Cell-mediated
Ogilvie, B. M.; and Parrott, D. M. V., 1977, Ciba Found. Symp., n.s. (46), 183-201
Immunological consequences of nematode infection, review with emphasis on Nippostrongylus brasiliensis and Trichinella spiralis

Immunity, Cell-mediated
Olabuenaga, S. E.; et al., 1979, Cellular Immunol., v. 45 (1), 85-93
Trypanosoma cruzi, antibody-dependent cytolyis of epimastigotes by human polymorphonuclear leukocytes

Immunity, Cell-mediated
Ottesen, E. A., 1979, J. Immunol., v. 123 (4), 1639-1644
Schistosoma mansoni, human, adherent suppressor cells that inhibit lymphocyte proliferative responses to parasite antigens

Immunity, Cell-mediated
Schistosoma mansoni, patients with acute, subacute, and chronic disease before and after niridazole treatment, lymphocyte responsiveness to schistosome antigens, possible implications of diminished cellular immune reactivity in chronic disease state

Immunity, Cell-mediated
Owen, R. L.; Nemanic, P. C.; and Stevens, D. P., 1979, Gastroenterology, v. 76 (4), 757-764
Giardia muris in immunocompetent mice, intestinal distribution of trophozoites, attachment and relationships to intestinal mucosa (particularly Peyer's patches), normal reaction of intestine and intestinal immune organs; includes some incidental observations on Hexamita muris
Immunity, Cell-mediated
Parra, P. R.; et al., 1979, Indian J. Med. Research, v. 69, 122-127
Tropical eosinophilia, humans, immune response to various parasitic antigens, rat mast cell degranulation and migration inhibition tests show most are sensitized to filarial antigens

Immunity, Cell-mediated
Trypanosoma cruzi, human, leucocyte migration inhibition test with 3 antigenic fractions and whole homogenate, flagellar fraction proved to be antigen of choice, low incidence of positive response in patients with cardiomyopathy when compared with asymptomatic but serologically positive patients

Immunity, Cell-mediated
cell-mediated immunity to Theileria parva-transformed cell lines

Immunity, Cell-mediated
Schistosomiasis, review of current evidence that both induction and amelioration of hepato-splenic disease are immunologically mediated

Immunity, Cell-mediated
Perez, H.; Arredondo, B.; and Gonzalez, M., 1978, Infect. and Immun., v. 22 (2), 301-307
Leishmania mexicana, 2 human strains (one from typical case of American cutaneous leishmaniasis and one from case of diffuse cutaneous leishmaniasis) in 2 strains of inbred mice, course of lesions, delayed hypersensitivity response, agglutinating antibodies, in vitro responses to leishmanial antigens and to mitogens, results show impaired immune response in BALB/c mice

Immunity, Cell-mediated
Perez, H.; Arredondo, B.; and Machado, R., 1979, Exp. Parasitol., v. 48 (1), 9-14
Leishmania mexicana, L. tropica major, cross immunity in mice, evidence of shared antigenic determinants which are involved in cell-mediated immune responses

Immunity, Cell-mediated
Reed, S. G.; Larson, C. L.; and Speer, C. A., 1977, Ztschr. Parasitenk., v. 52 (1), 11-17
Trypanosoma cruzi, mice immunized by Freund's adjuvant or oxazolone, acute infection suppressed cell-mediated immunity to these antigens; immunization with live T. cruzi before infection resulted in greater than normal oxazolone sensitivity, mice survived infection; inconclusive as to whether immunosuppression due to infection is directed toward induction or toward suppression of cell-mediated response

Immunity, Cell-mediated
Plasmodium berghei, reduced protective activity of immune spleen cells from completely cured rats if cells are transferred to rats which have been infected for 5-8 days before cell transfer

Immunity, Cell-mediated
Phillips, S. M.; et al., 1978, Cellular Immunol., v. 38 (2), 239-254
Schistosoma mansoni, rats, prerequisite mechanisms whereby natural infection or artificial immunization leads to development of protective immunity, in vivo and in vitro criteria of cellular and humoral immune reactivity evaluated

Immunity, Cell-mediated
Schistosomiasis with emphasis on Schistosoma mansoni, immunologic aspects of host response, extensive review: cellular and humoral immune response; immunopathology; eosinophils

Immunity, Cell-mediated
Plasmodium yoelli- or P. berghei-vaccinated mice, cell-mediated immunity in liver

Immunity, Cell-mediated
Leishmania tropica major, experimental cutaneous leishmaniasis, anergy and allergy in cellular immune response during non-healing infection in different strains of mice

Immunity, Cell-mediated
Rajasekariah, G. R.; and Howell, M. J., 1979, J. Parasitol., v. 65 (4), 481-487
Fasciola hepatica, rats, transfer of immunity by serum and cells from infected to naive animals, hematological and precipitating antibody responses of recipients

Immunity, Cell-mediated
Leishmania mexicana, variations in response of 5 strains of mice (course of infection, delayed type hypersensitivity response, humoral antibody production), crossing experiments between resistant and susceptible strains suggest that resistance is inherited as dominant character

Immunity, Cell-mediated
Pery, P.; et al., 1979, Ann. Immunol., v. 130C (4), 551-560
Glycine-5'-diphospho-choline conjugates, immunogenicity in rats, protective activity against subsequent challenge with Nippostrongylus brasiliensis

SUBJECT HEADINGS
Immunity, Cell-mediated
Plasmodium berghei, reduced protective activity of immune spleen cells from completely cured rats if cells are transferred to rats which have been infected for 5-8 days before cell transfer

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Immunity, Cell-mediated
Reed, S. G.; Larson, C. L.; and Speer, C. A., 1978, Infect. and Immun., v. 22 (2), 548-554
Trypanosoma cruzi, contact sensitivity responses in infected mice, results indicate that suppression of contact sensitivity during acute infection is directed toward effenter arm rather than afferent arm of response
Immunity, Cell-mediated
Reiner, N. E.; et al., 1979, J. Infect. Dis., v. 140 (2), 162-168
Schistosoma mansoni, patients with advanced chronic hepatosplenic disease, concurrent responses of peripheral blood and splenic mononuclear cells to antigenic and mitogenic stimulation

Immunity, Cell-mediated
Reis, A. P.; et al., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (6), 422-426
Trypanosoma cruzi, mice infected with different parasite strains, presence of delayed hypersensitivity demonstrated by leukocyte inhibition migration technique

Immunity, Cell-mediated
Human toxoplasmosis, investigations of cellular basis for hypersensitivity using the macrophage migration test

Immunity, Cell-mediated
Rezai, H. R.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1079-1083
Kala-azar, children, serum immunoglobulin and complement levels, percentage of T and/or B cells, skin reactivity to leishmania antigen

Immunity, Cell-mediated
Plasmodium yoelii, B-cell deficient mice; drug-rescued from otherwise lethal infections resisted subsequent challenge despite lack of detectable antibody

Immunity, Cell-mediated
Robinett, J. P.; and Rank, R. G., 1979, Infect. and Immun., v. 23 (2), 270-275
Trypanosoma musculi, mice, splenomegaly is T cell-dependent and is the result of proliferation of B and/or T lymphocytes

Immunity, Cell-mediated
Plasmodium yoelii, B-cell deficient mice, treatment with immunosuppressive drugs showed no protection against the virulent strain

Immunity, Cell-mediated
Trichostrongylus axei, T. colubriformis, Ostertagia circumcincta, sheep, leucocyte lysate transfers significant degree of immunity; Nippostrongylus brasiliensis in rats and T. axei in calves showed no transfer of immunity by leucocyte lysate

Immunity, Cell-mediated
Ross, J. C.; and Halliday, W. G., 1979, Research Vet. Sc., v. 26 (1), 41-46
Trypanosoma cruzi, role of immune reactions in pathogenesis of Chagas' disease, review

Immunity, Cell-mediated
Rowland, E. C.; and Kuhn, R. E., 1978, Infect. and Immun., v. 20 (2), 393-397
Trypanosoma cruzi, mice, suppression of anamnestic cellular responses in immunized animals, suppression shows nonspecific character, could be speculated that T. cruzi acts as tolerogen during infection resulting in anergic condition similar to desensitization

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Immunity, Cell-mediated
Plasmodium berghei yoelii, mice, plaque-forming cell assays used to reveal pattern of both total and antigen-specific splenic T lymphocyte activation and to define antibody-mediated response both shown to be T-cell dependent
Immunity, Cell-mediated
Leishmania, human, persistent cutaneous infection, therapy with Leishmania-specific transfer factor

Immunity, Cell-mediated
Schistosoma mansoni, mice, effector mechanisms in host response, review

Immunity, Cell-mediated
Toxoplasma gondii in vitro, mouse immune lymphocytes produce lymphokine which inhibits intracellular multiplication of parasite within nonimmune mouse macrophages; biological aspects; substance named Toxoplasma growth inhibitory factor (Toxo-GIF)

Immunity, Cell-mediated
Shirahata, T.; and Shimizu, K., 1979, Microbiol. and Immunol., v. 23 (1), 17-50
Toxoplasma gondii, immune lymphocyte product which inhibits parasite multiplication within mouse macrophages, physicochemical characterization

Immunity, Cell-mediated
Siebert, A. E., jr.; Good, A. H.; and Simmons, J. E., 1979, Internat. J. Parasitoli., v. 9 (4), 523-531
Taenia crassiceps, mice, ultrastructural aspects of host cellular immune response to metacestodes

Immunity, Cell-mediated
Smrkovski, L. L.; Larson, C. L.; and Reed, S. G., 1979, Infect. and Immun., v. 25 (3), 1078-1080
Leishmania donovani, increased susceptibility in congenitally athymic mice, correlated with lack of Arthus and delayed type responses

Immunity, Cell-mediated
Soulsby, E. J. L., 1972, Immun. Animal Parasites, 57-95
cell-mediated immunity responses in parasitic infections, review

Immunity, Cell-mediated
de Souza, M. do C. M., 1974, Rev. Patol. Trop., v. 3 (3), 291-352
Leptomonas pessoi, antigenic relationships with other trypanosomatids, cross-protection of mice against Trypanosoma cruzi

Immunity, Cell-mediated
Trichinella spiralis, mice, failure to induce protective immunity by cell transfer from immunized donors, results indicate attenuation of immunity after transfer

Immunity, Cell-mediated
Stemberger, H., 1978, Immun. u. Infekt., v. 6 (2), 71-78
Entamoeba histolytica, investigation of cytolytic action of antibody, complement, and normal human peripheral blood lymphocytes as well as action of peripheral blood lymphocytes from donor with amoebic liver abscess

Immunity, Cell-mediated
Stockinger, H.; and Koenig, W., 1979, Behring Inst. Mitt. (64), 127-130
Nippostrongylus brasiliensis, rats, effects of cell-bound and circulating immune complexes on lymphocyte proliferation, suggested that immune complexes mediate diminution in mitotic responsiveness

Immunity, Cell-mediated
Strickland, G. T.; DeSilva, S.; and Sayles, P. C., 1979, Tropenned. u. Parasitol., v. 30 (1), 35-42
Plasmodium yoelii infection in mice and P. falciparum and P. vivax infection in humans, changes in lymphocyte populations during acute infections thought to be related to development of malarial immunity and immunodepression

Immunity, Cell-mediated
Wuchereria bancrofti, adhesion of peripheral blood leukocytes (PBL) to microfilariae (MF) in vitro promoted by sera from elephantiasis cases or from normal persons living in endemic areas for several years but not by sera from MF carriers or from normal subjects from nonendemic areas, adhesion was complement independent and associated with IgG fraction, studies suggest occurrence of cell-mediated cytotoxicity to MF in presence of elephantiasis serum, Litomosoides carinii MF adhered to human PBL or rat spleen cells in presence of serum or its IgG fraction from elephantiasis patients

Immunity, Cell-mediated
Schistosoma mansoni in Papio anubis, development of resistance to homologous challenge, correlation of in vitro tests (anti-schistosomula antibody and peripheral leucocyte cytotoxic activity) with in vivo immune status

Immunity, Cell-mediated
Plasmodium berghei-infected mice, sensitization to sheep red blood cells by subcutaneous vs. intravenous routes, difference in cell-mediated immune reaction in regional lymph nodes and spleen, results show difference between iv and sc sensitized mice in immunodepression by malaria

Immunity, Cell-mediated
Plasmodium falciparum, in vitro mitogen responses of spleen and peripheral blood lymphocytes from infected Aotus trivirgatus griseimembra

Immunity, Cell-mediated
Plasmodium falciparum, suppression of lymphocyte transformation by plasma from acutely infected Aotus trivirgatus griseimembra
Immunity, Cell-mediated
Trypanosoma cruzi, children with apparent vs. inapparent acute Chagas' disease, clinical and laboratory findings, humoral antibody response, delayed-type skin responses, inhibition of leukocyte migration, serum proteins and immunoglobulins; demonstration of cell-mediated immunodepression in inapparent acute disease

Immunity, Cell-mediated
Chagas' disease, serum antibody titers, delayed skin response, inhibition of leukocyte migration by Trypanosoma cruzi antigen and by cross-reactive heart cell antigen, cytotoxicity of sensitized T-lymphocytes to parasitized human heart cells

Immunity, Cell-mediated
rabbit's appendix, immunological model applied to study of epithelial immunity, including that against coccidiosis

Immunity Cell-mediated
Thorne, K. J. I.; et al., 1979, Parasitology, v. 79 (3), 367-379
Trypanosoma dionisii, phagocytosis and killing by human neutrophils, eosinophils, and monocytes, importance of specific antiserum in this system

Immunity, Cell-mediated
Todd, C. W.; Goodgame, R. W.; and Colley, D. G., 1979, J. Immunol., v. 122 (4), 1440-1446
Schistosoma mansoni, suppression of schistosome antigen-specific lymphocyte blastogenesis by adherent/phagocytic cells

Immunity, Cell-mediated
Vadas, M. A.; et al., 1979, J. Immunol., v. 122 (4), 1228-1236
Schistosoma mansoni, new method for purification of human eosinophils and neutrophils, comparison of ability of these cells to damage schistosomula

Immunity, Cell-mediated
Vardhani, V.; and Johri, G. N., 1978, Experimental, v. 34 (1), 122-123
Ancylostoma caninum, mice, transfer of immunity with sensitized peritoneal exudate cells from singly and repeatedly infected donors

Immunity, Cell-mediated
Verhave, J. P.; et al., 1978, J. Immunol., v. 121 (3), 1031-1033
Plasmodium berghei, transfer of protective immunity with lymphoid cells from mice immune to malaria sporozoites

Immunity, Cell-mediated
arguments for the involvement of cell-mediated immunity in antisporezite protection, symposium presentation

Immunity, Cell-mediated
helminthiasis, humans, value and limitations of hypersensitivity reactions for diagnosis, review

Immunity, Cell-mediated
Walls, R. S., 1976, South African Med. J., v. 50 (34), 1313-1318
soluble antigen derived from body fluid of Ascaris lumbricoides injected into mice to examine specificity of eosinophilic response, specificity demonstrated in primed lymphoid cells, evidence suggests that these lymphocytes are T cells

Immunity, Cell-mediated
immunopathology due to cell-mediated (Type IV) reactions, review

Immunity, Cell-mediated
immune response of fowl, function of bursa of Fabricius and thymus, review

Immunity, Cell-mediated
Weinbaum, F. I.; et al., 1978, J. Immunol., v. 121 (2), 629-636
Plasmodium berghei yoelii (substrain 17X nonlethal) in BALC/c mice, kinetics of various specific and nonspecific cellular and humoral responses during course of infection

Immunity, Cell-mediated
Weiss, N., 1978, Exp. Parasitol., v. 46 (2), 283-299
Dipetalonema viteae in 2 strains of hamster, lymphocyte blastogenesis (during different stages of primary infection, after injection of dead larvae, after implantation of adult worms, in mixed infection with Schistosoma mansoni), attempt to relate results with parasitological findings and with humoral immune response, analysis of cellular unresponsiveness to filarial antigens in chronically infected LAK hamsters

Immunity, Cell-mediated
Weiss, N.; and Tanner, M., 1979, Tropennem. u. Parasitol., v. 30 (1), 73-80
Dipetalonema viteae in golden hamsters, antibody-dependent cell-mediated destruction of microfilariae demonstrated, no single effector cell type responsible for destruction

Immunity, Cell-mediated
Plasmodium berghei, lymphoblast transformation in rats convalescent for one week to one year from infections of varying intensities, symposium presentation

Immunity, Cell-mediated
Dirofilaria immitis, Toxocara canis, dogs, epidemiological survey, host age, sex, and breed, immunodiagnosis (3 immunofluorescence tests, in vitro lymphocyte blastogenesis); prevalence of serum antibody in man proportional to incidence of canine infections: Queensland; Central Australia
Immunity, Cell-mediated


Brugia pahangi, rats, sequential changes in cell-mediated immunity studied by following in vitro lymphocyte blastogenesis to filarial stage-specific antigens and to B- and T-cell mitogens during acute and chronic infection, possible model for immunological studies of filarial infections

Immunity, Cell-mediated


Toxoplasma gondii, placental transmission in immunised pregnant mice and rabbits, dependent on various factors (host species, state of immunity, Toxoplasma strain); roles of cellular immune defense discussed

Immunity, Cell-mediated

Wikel, S. K.; Graham, J. E.; and Allen, J. R., 1978, Immunology, v. 34 (2), 257-263

Dermacentor andersoni, guinea pigs, development of resistance after one infestation, presence of cell-mediated immune component indicated by delayed skin reactivity and in vitro lymphocyte responsiveness to salivary gland antigen, evidence suggests that tick infestation might induce degree of immunosuppression in host

Immunity, Cell-mediated

Wilkie, B. N.; Markham, R. J.; and Hazlett, C., 1979, Canad. J. Comp. Med., v. 43 (4), 415-419

Demodex canis, healthy Doberman puppies from kennel with high prevalence of mange, cell-mediated immunological reactions, deficient cutaneous delayed response to phytohemagglutinin injection

Immunity, Cell-mediated

Wing, E. J.; and Remington, J. S., 1977, Current Concepts Infect. Dis., 89-114

cell-mediated immunity in resistance to infection, including parasitic infection, extensive review

Immunity, Cell-mediated

Wing, E. J.; and Remington, J. S., 1978, Infect. and Immun., v. 21 (2), 398-404

Trichinella spiralis infections in mice with normal macrophages and in mice with macrophages activated by either chronic Toxoplasma gondii or acute Listeria monocytogenes infections, results suggest role for activated macrophages in resistance to T. spiralis

Immunity, Cell-mediated


Entopolypoides sp. intraerythrocytic parasitosis in 2 humans with hepatic dysfunction, description of serum factors inhibiting phytohemagglutinin response by normal lymphocytes suggests that hepatic dysfunction induces serum factors that diminish cellular immunity and allow patent parasitemia to develop: United States (one patient was born in Turkey; the other was a merchant seaman who traveled extensively)

Immunity, Cell-mediated

Wyler, D. J.; Herrod, H. G.; and Weinbaum, F. I., 1979, Infect. and Immun., v. 24 (1), 106-110

Plasmodium falciparum, response of sensitized and unsensitized human lymphocyte subpopulations to malaria antigen

Immunity, Cell-mediated

Wyler, D. J.; Oppenheim, J. J.; and Koontz, L. C., 1979, Infect. and Immun., v. 24 (1), 151-159

Plasmodium berghei, P. yoelii, mice, effects of infection on ability of adherent mononuclear cells to elaborate soluble mediators that regulate lymphocyte activation in vitro

Immunity, Cell-mediated

Wyler, D. J.; Weinbaum, F. I.; and Herrod, H. S., 1979, J. Infect. Dis., v. 140 (2), 215-221

leishmaniasis patients and control subjects, in vitro proliferative responses of lymphocytes to leishmanial antigens

Immunity, Cell-mediated


Trypanosoma evansi, dogs (exper.), changes in peripheral blood T- and B-lymphocytes

Immunity, Cell-mediated


Toxoplasma gondii, rabbits, humoral and cellular immune response in different stages of pregnancy, no evidence that this immune response has any protective effect on foetus

Immunity, Cellular. See Immunity, Cell-mediated.

Immunity, Circumovale precipitin test. See Immunity, Precipitation.

Immunity, Complement


schistosomiasis, filariasis, human, C3d and immune complex levels

Immunity, Complement

Akhahne, H.; 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (6), 347-352

Fasciola hepatica, rabbits, acute and chronic phases of infection, Ouchterlony and complement fixation titers

Immunity, Complement


human cerebral cisticercosis, diagnosis by complement fixation or evidence of calcifications on X-ray, clinical symptoms, frequent coexistence of cisticercosis with other central nervous system conditions in areas of high prevalence

Immunity, Complement

Allen, J. R.; Khalil, H. M.; and Graham, J. E., 1979, Immunology, v. 38 (3), 467-472

Dermacentor andersoni, guinea pigs undergoing primary and secondary infestations, immunofluorescent localization of tick salivary gland antigen, IgG, and complement in skin
Immunity, Complement
human Chagas disease, complement fixation test performed on pericardial fluid of patients with chronic infection, fewer positive results obtained in patients with severe congestive failure than in those with no or minimal failure

Immunity, Complement
serodiagnostic tests for Chagas disease performed on sera of patients with visceral leishmaniasis gave positive results with several immunologic methods, indicates "group-reactions" within Trypanosomatidae

Immunity, Complement
Babesia caballi, horses, card test using newly developed antigen evaluated and compared with complement-fixation test

Immunity, Complement
Trypanosoma cruzi, T. rangeli, Panamanian villagers, diagnosis, micro-enzyme-linked immunosorbent assay, some serologic cross-reactivity between 2 species; comparison with complement fixation, direct agglutination, and clinical diagnosis

Immunity, Complement
Anwar, A. R. E.; Smithers, S. R.; and Bay, A. B., 1979, J. Immunol., v. 122 (2), 628-637
Schistosoma mansoni, killing of schistosomula coated with antibody and/or complement by human leukocytes in vitro, requirement for complement in preferential killing by eosinophils

Immunity, Complement
Echinococcus granulosus, mice with secondary hydatidosis, time-related development of complement-fixing and hemagglutinating antibodies, correlation with cyst development

Immunity, Complement
Trypanosoma cruzi, acute infection in mice, circulating antigens capable of reacting against mouse serum in complement fixation and counterimmunoelectrophoresis tests but not in haemagglutination test

Immunity, Complement
Trypanosoma dionisi, effect of various agents (including temperature, complement, trypsin, cytochalasin B and immune plasma) on attachment and entry to mouse peritoneal macrophages in vitro, and subsequent morphogenesis; attachment occurred to non-specific receptors, entry by phagocytosis

Immunity, Complement
Bailey, K. A.; et al., 1979, Infect. and Immum., v. 24 (3), 617-627
Trypanosoma brucei brucei, T. congolense, inactivation or elimination of potentially trypanolytic complement-activating immune complexes containing antibodies to variant-specific antigens

Immunity, Complement
Setaria cervi, white rats (exper.), serological diagnosis by means of complement fixation test

Immunity, Complement
Barbosa, W.; et al., 1974, Rev. Patol. Trop., v. 3 (3), 263-268
Trypanosoma cruzi, diagnosis, sera from persons known to be infected, comparison of test results using counterimmunoelectrophoresis, hemagglutination, fluorescent antibody and complement fixation

Immunity, Complement
Trypanosoma cruzi, humans, comparison of complement fixation and latex agglutination tests for immunodiagnosis of hospitalized patients and for epidemiologic surveys

Immunity, Complement
Chagas disease, humans, prevalence survey using complement fixation test: southern zone, State of Rio Grande do Sul, Brazil

Immunity, Complement
Babesia equi, C. caballi, horses, diagnosis, complement fixation test

Immunity, Complement
Bidwell, D. E.; et al., 1978, Vet. Rec., v. 103 (20), 446-449
Babesia divergens, B. major, cattle (exper.), serological diagnosis, comparison between microplate enzyme-linked immunosorbent assay, indirect fluorescent antibody, and complement fixation tests, ELISA may be preferable

Immunity, Complement
Trypanosoma cruzi, evaluation of specificity and sensitivity of the direct agglutination test for diagnostic purposes in a non-endemic area, complement fixation and indirect hemagglutination tests used for comparison; when used with the addition of 2-mercaptoethanol in serum samples direct agglutination proved useful for screening in blood banks and for epidemiologic surveys

Immunity, Complement
Sarcocystis fusiformis, S. tenella, S. miescheriana, rabbits (exper.), diagnostic value of complement fixation and fluorescent antibody tests
Immunity, Complement
Boroskova, Z.; Benkova, H.; and Cerman, J., 1978, Folia Vet., v. 19 (3-4), 355-360
Ascaris suum, infestive larval phase, use of ultrasound prepared antigen to demonstrate experimental ascariasis in migrating phase in unspecific host (rabbit) by complement-fixation reaction

Immunity, Complement
Bulajic, M.; et al., 1977, Srpski Archiv Tse-lok. Lekar., v. 105 (7-8), 657-663
Pasiola hepatica, human, immunodiagnosis, comparative study of complement fixation, double diffusion precipitation, and indirect fluorescent antibody tests

Immunity, Complement
Toxoplasmosis, human, diagnosis, complement fixation reaction, evaluation of different antigens and methods, comparison with dye test and indirect immunofluorescence

Immunity, Complement
Toxoplasma gondii, pregnant women, serodiagnosis, review

Immunity, Complement
Trypanosoma cruzi, human, comparative sero-logic diagnosis, complement fixation, immunofluorescence, hemagglutination, flocculation tests

Immunity, Complement
Toxoplasma gondii, human congenital, significance of different diagnostic tests in screening for inapparent infections, serologic tests and serologic patterns in mothers and children studied

Immunity, Complement
Trypanosoma cruzi, human, freeze-dried reagent used with hemagglutination test evaluated, compared with complement fixation, preserved reagent found to be sensitive, specific and reliable

Immunity, Complement
Trypanosoma cruzi, I.M.T.-Chagas flocculation test evaluated, compared with complement fixation, hemagglutination and immunofluorescence test results

Immunity, Complement
Toxoplasmosis, humans with recently acquired infections, transitional serological patterns and evolution of antibodies studied comparing hemagglutination, complement fixation and immunofluorescence tests
Immunity, Complement
Trichomonas spp., immunized rabbits, specific complement fixing antibodies, dynamics of induction and disappearance

Immunity, Complement
several conditions of abnormal pregnancy including 3 patients with Plasmodium falciparum malaria, deposition of complement components within placenta

Immunity, Complement
Felgner, P., 1977, Tropenmed. u. Parasitol., v. 28 (4), 491-493
amebic abscess, human, serodiagnosis, comparison of results using Stick-ELISA (enzyme-linked immunosorbent assay) and those obtained by complement fixation, indirect hemagglutination, counterelectrophoresis, and latex agglutination

Immunity, Complement
alveolar and cystic echinococcosis, human, antibody activity in stick-ELISA compared to activity of complement fixation and indirect hemagglutination, no test allowed species specific diagnosis of cystic disease but most alveolar infections could be recognized using homologous antibody and ELISA or complement fixation

Immunity, Complement
Fesefeldt, C.; and Braveny, I., 1978, Immun. u. Infekt., v. 6 (4), 160-165
Toxoplasma, human, diagnosis, micromethod with stable reagents for indirect hemagglutination test (IHAT), comparison with Sabin-Feldman dye test, complement fixation test, and 2 commercial IHAT kits

Immunity, Complement
Trypanosoma rhodesiense, antibody-dependent cytotoxicity against trypanosomes mediated through alternative complement pathway

Immunity, Complement
Plasmodium falciparum, 10 Gambians with pregnancies complicated by maternal malaria, marked increase in complement components in placenta

Immunity, Complement
Entamoeba histolytica, quantitative levels of immunoglobulins (IgG, IgM and IgA) and complement (C3 and CH50) estimated in persons with amoebic abscesses or amoebic colitis, values compared with normal controls, prognostic values of these parameters discussed
Immunity, Complement
Hammerberg, B.; and Williams, J. F., 1978, J. Immunol., v. 120 (3), 1035-1045
Taenia taeniaeformis, factors present in cystic bladder fluid of metacestodes and released by parasites maintained in vitro are shown to interact nonimmunologically with the complement system in vitro and in vivo, possibly that local consumption of complement around metacestode in vivo could contribute to successful evasion of inflammation and immune rejection during infection.

Immunity, Complement
Toxoplasma gondii, mice (exper.), kinetics of cyst occurrence and production of complement-fixing antibodies

Immunity, Complement
Schistosoma mansoni, antibody-dependent complement-mediated killing of schistosomula in intraperitoneal diffusion chambers in mice

Immunity, Complement
Kay, A. B., 1979, J. Allergy and Clin. Immunol., v. 64 (2), 90-104
Schistosoma mansoni, relationship among mast cell mediators, complement, and preferential killing of schistosomula by the human eosinophil, review; speculations as to why, in phylogeny, humans might have developed and retained acute allergic response

Immunity, Complement
Hydatid disease, humans, diagnosis, evaluation of sensitivity and specificity of 3 commonly used serological tests: complement fixation, haemagglutination, and fluorescent antibody techniques

Immunity, Complement
Trypanosoma lewisi, T. cruzi sensitized with specific antisera and complement, adherence to rat peritoneal cells; adherence is specific, without cross reactions; results suggest that phagocytosis as well as cytotoxic antibodies plays a role in immunity

Immunity, Complement
Kramarova, K., 1979, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 28 (6), 366-367
Toxoplasmosis, human, serological diagnosis, comparison of complement fixation reaction and microprecipitation reaction in agar gel

Immunity, Complement
Krettli, A. U.; Weisz-Carrington, P.; and Nussenzweig, R. S., 1979, Clin. and Exper. Immunol., v. 37 (3), 416-423
Trypanosoma cruzi, in vitro lysis of bloodstream forms mediated by antibodies and complement, strain differences in susceptibility to lysis

Immunity, Complement
Entamoeba histolytica activates complement by the alternative pathway and can be lysed by the reaction products, relevance of these observations to pathogenesis of amoebiasis is not yet known

Immunity, Complement
Toxoplasma gondii, mice (exper.), kinetics of cyst occurrence and production of complement-fixing antibodies

Immunity, Complement
Ascaris suum, role of complement in histopathology of primary and challenge infections in guinea pigs, enhanced pulmonary eosinophil infiltration and eosinophilic granuloma formation in absence of complement (C3 to C9)
Immunity, Complement

Trypanosoma rhodesiense-infected rats, proliferative glomerulonephritis, hypercomplementemia, nucleic acid antibodies, feasibility of rat as model host

Immunity, Complement

Chagas disease, results of complement fixation and hemagglutination tests compared using pericardial fluid from autopsy cases with chronic cardiomyopathy

Immunity, Complement

Trypanosoma cruzi, human, post-mortem diagnosis of chronic Chagas disease, evaluation of 3 serological tests on pericardial fluid (hemagglutination, fluorescent antibody, and complement fixation)

Immunity, Complement

Babesia argentina, cattle (nat. and exper.), diagnosis by rapid latex agglutination test applicable in field, specificity relative to infections with Babesia bigemina and Anaplasmata marginis, comparison of results with complement fixation and indirect fluorescent antibody tests

Immunity, Complement

Leishmania spp., immunized rabbits, infected hamsters (calc), and humans, quantitative estimation of antibody titers by enzyme-linked immunosorbent assay, some comparisons with passive hemagglutination, complement fixation, and countercurrent immunoelectrophoresis

Immunity, Complement

Trichinella spiralis, Nippostrongylus brasiliensis, surface of infective larvae and adults may activate complement but not that of newborn larvae, stage-specific antibodies to nematode cuticle are capable of mediating attack by inflammatory cells against nematode surface

Immunity, Complement

McLaren, D. J.; and Ramalho-Pinto, F. J., 1979, J. Immunol., v. 123 (4), 1431-1438
Schistosoma mansoni, eosinophil-mediated killing of schistosomula in vitro, synergistic effect of antibody and complement

Immunity, Complement

McLaren, D. J.; Ramalho-Pinto, F. J.; and Smithers, S. R., 1978, Parasitology, v. 77 (3), 313-324
Schistosoma mansoni, ultrastructural evidence for complement and antibody-dependent damage to schistosomula by rat eosinophils in vitro

Immunity, Complement

Schistosoma mansoni, S. haematobium, humans, concentrations of complement components and immunoglobulins in sera, implications for immunopathological effects of schistosomiasis and for heterogeneity of antigen clearance

Immunity, Complement

Brugia malayi, and Wuchereria bancrofti, humans, immunoglobulin levels and complement components determined in populations in various endemic areas in Peninsular Malaysia

Immunity, Complement

Mannweiler, E.; et al., 1978, Deutsche Med. Wchnschr., v. 103 (40), 1562-1565
Trichinella spiralis, serum antibody findings in humans who had eaten wild boar meat, complement fixation, indirect haemagglutination, and ELISA tests

Immunity, Complement

Echinococcus cysticus, Echinococcus alveolaris, humans, serum antibodies, complement fixation, indirect haemagglutination, and indirect enzyme immune (ELISA) techniques

Immunity, Complement

E. histolytica, humans, diagnostic value of counter-immunoelectrophoresis in comparison to complement fixation, indirect haemagglutination, and latex agglutination tests

Immunity, Complement

E. donovani-infected humans, increased IgG levels, L. donovani, L. brasilensis, and L. tropica antigens used in comparison of immunological diagnostic methods studying antibody titers, indirect haemagglutination test unsuitable for diagnosis

Immunity, Complement

Martin, H.; and Michalik, M., 1977, Psychiat., Neurolog. u. Med. Psychol., v. 29 (2), 87-95
human neurocysticercosis, 3 case reports with autopsy findings of severe meningitis and hydrocephalus, clinical aspects, recommendations for use of complement fixation for reliable diagnosis

Immunity, Complement

Leishmania tropica, humans with recent primary exposure, fluorescent antibody test detected antibodies to L. donovani in 19 of 41 individuals, complement fixation and indirect hemagglutination tests were not useful for diagnosis
Immunity, Complement
Babesia bigemina and Japanese Babesia species can be serologically differentiated by the complement fixation and capillary-tube agglutination tests

Immunity, Complement
anaplasmosis, bovine, prevalence, complement fixation test, no difference in regard to age, sex or breed of host: San Miguel, El Salvador

Immunity, Complement
Nielsen, K.; et al., 1978, Experientia, v. 34 (1), 118-119
Trypanosoma lewisi-infected or decomplemented rats, increased susceptibility to Salmonella typhimurium infection; decompemented rats subsequently infected with T. lewisi developed higher blood parasitemia than did normal T. lewisi-infected rats

Immunity, Complement
Nielsen, K.; et al., 1978, Immunology, v. 35 (5), 811-816
Trypanosoma congolense-infected calves, changes in catabolism of serum immunoglobulins and complement components, possible relationship to pathological changes

Immunity, Complement
Nielsen, K.; et al., 1978, J. Parasitol., v. 64 (3), 544-546
Trypanosoma congolense, T. lewisi, direct activation of complement

Immunity, Complement
Oelerich, S.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (4), 559-544
Paragonimus westermani, P. africanus, Macaca mulatta (exper.), serological changes (indirect hemagglutination, complement fixation, double gel diffusion), cross-reactions occurred but species could be differentiated by disc-electrophoresis; supplemented by parasitologic and radiologic observations of other authors

Immunity, Complement
Circulating immune complexes in 38 of 50 apparently healthy Nigerians, 6 of these 38 had significant anti-complementary activity and high IgM levels; 6 of these 6 showed malarial parasitemia, 4 of these 6 showed malarial prophylaxis. They lost their anti-complementary activity with parallel fall in IgM

Immunity, Complement
Entamoeba histolytica, mechanism by which trophozoites are destroyed by normal human serum is complement-dependent process activated by alternative pathway

Immunity, Complement
Parker, R.; et al., 1972, Research Vet. Sc., v. 75 (3), 401-402
Anaplasma marginale complement fixation test antigens, liquid nitrogen storage by a multiple small aliquot technique

Immunity, Complement
Trypanosoma cruzi, diagnosis using complement fixation, results of tests from 3 different laboratories were compared and found to have substantial differences, study shows need for standardization of reagents and techniques

Immunity, Complement
Nematopiroides dubius, cuticle of infective 3rd stage larvae (L3) as well as post-infective and mature forms can activate serum complement via alternative pathway, adherence of mouse peritoneal exudate cells from immune mice to L3 promoted by either complement or antibody resulted in reduced larval infectivity

Immunity, Complement
Ramalho-Pinto, F. J.; et al., 1978, Parasite Immunol., v. 1 (4), 295-308
Schistosoma mansoni, mice, anti-schistosomula antibodies and IgG subclasses involved in complement- and eosinophil-mediated killing of schistosomula in vitro

Immunity, Complement
Schistosoma mansoni, complement-mediated killing of schistosomula by rat eosinophils in vitro

Immunity, Complement
Leishmania donovani, humans, canines, sero-immunological diagnosis, review

Immunity, Complement
Kala-azar, children, serum immunoglobulin and complement levels, percentage of T and B cells, skin reactivity to Leishmania antigen
Immunity, Complement
Rickman, W. J.; and Cox, H. W., 1979, J. Parasitol., v. 65 (1), 65-73
Trypanosoma brucei rhodesiense-infected rats, syndrome characterized by anemia, splenomegaly, and glomerulonephritis, accompanied by presence of 3 autoantibodies and by presence of fixed complement and fibrinogen on trypanosomes and erythrocytes

Immunity, Complement
Trypanosoma brucei, cytotoxic reaction induced by normal human serum, some properties of the trypanocidal factor, complement activation not required

Immunity, Complement
Rivas, A.; Rodriguez, O. N.; and Espaine, L., 1977, Rev. Cubana Cien. Vet., v. 8 (1), 1-11
Babesia argentina, B. bigemina, bovine, complement fixation and immunofluorescence tests evaluated: Cuba

Immunity, Complement
Rivas, A.; Rodriguez, O. N.; and Espaine, L., 1977, Rev. Cubana Cien. Vet., v. 8 (1), 13-20
Anaplasma marginale, bovine, immunofluorescence and complement fixation tests evaluated: Cuba

Immunity, Complement
Rodriguez, O. N.; et al., 1977, Rev. Cubana Cien. Vet., v. 8 (2), 1-7
Babesia argentina, B. bigemina, bovine, complement fixation test evaluated

Immunity, Complement
Rodriguez, O. N.; et al., 1977, Rev. Cubana Cien. Vet., v. 8 (2), 9-12
Anaplasmosis, bovine, diagnosis by complement fixation in perspex plates

Immunity, Complement
Rodriguez, O. N.; et al., 1978, Rev. Cubana Cien. Vet., v. 9 (1), 87-94
Anaplasma marginale, Babesia argentina, B. bigemina, cattle of different breeds, serodiagnosis, complement fixation and capillary agglutination microtechniques: Cuba

Immunity, Complement
complement activity and conglutinin activity, preservation in bovine sera stored under 4 conditions, freezing at -57 C most effective

Immunity, Complement
Saathoff, M.; Kasper, M.; and Hemmer, H., 1978, Deutsche Med. Wchnschr., v. 103 (41), 1606-1608, 1609-1611
Trichinella spiralis, humans, animals, diagnosis, sensitivity and specificity of 4 different serological tests, serological differentiation from some other helminth infections with which cross-reactions occur

Immunity, Complement
parasitic diseases, human, serum immunoglobulin and complement profile: India

Immunity, Complement
Chagas disease, xenodiagnosis and complement fixation test compared: district of Bambui, Minas Gerais, Brazil

Immunity, Complement
Schistosoma mansoni, humans, mice, sera tested for immune complexes using precipitation by polyethylene glycol and complement fixation test

Immunity, Complement
Schistosoma mansoni, characterization of complement fractions, inversely proportional correlation between C3 and immune-complex levels in serum of infected patients

Immunity, Complement
Santoro, F.; et al., 1979, J. Immunol., v. 123 (1), 151-155
Schistosoma mansoni, activation of complement by schistosomula: killing of parasites by alternative pathway and requirement of IgG for classical pathway activation

Immunity, Complement
Santoro, F.; Bouli, J.; and Capron, A., 1979, Acta Trop., v. 3 (1), 5-14
complement activation by parasites, review

Immunity, Complement
Schistosoma mansoni, humans, immune complexes higher in sub-clinical and hepatointestinal forms than in hepatosplenic forms, detection by precipitation, radioimmunoadsay and complement fixation compared

Immunity, Complement
Santoro, F.; Oussissi, M. A.; and Capron, A., 1979, IRCS J. Med. Sci., v. 7 (11), 576
Schistosoma mansoni immature forms, surface receptors for complement (C1q and C3b) which disappear with development

Immunity, Complement
Leptomonas pessosi antigens and sera of patients infected with Trypanosoma cruzi gave frequent positive reactions with the passive hemagglutination, complement fixation and indirect immunofluorescence tests, possible implications for prophylactic vaccine for Chagas disease

Immunity, Complement
Shaker, Z. A.; et al., 1976, Egypt. J. Bilharz., v. 3 (2), 221-232
Schistosoma mansoni, S. haematobium, humans, demonstration of circulating bilharzial antigens using indirect haemagglutination and complement fixation techniques, correlation between % of positive cases and host age, duration of infection, clinical presentation, schistosome species, intradermal test results, and effect of chemotherapy
Immunity, Complement
Taenia crassiceps, mice, ultrastructural aspects of early immune damage to metacestodes, tegument damage is attributed to complement-mediated lysis of outer tegument membrane and death of larvae probably results from loss of tegument function

Immunity, Complement
Trypanosoma cruzi-infected rats, early immune reactions suggest relationship between circulation of antigens, formation of antigen-antibody complexes, and the fixation of complement by these complexes

Immunity, Complement
Staak, C.; and Lohding, A., 1979, Tropenmed. u. Parasitol., v. 30 (1), 13-18
Trypanosoma spp., evaluation of complement fixation antibody in African trypanosomiasis-infected cattle before and after treatment and followed by re-infection and treatment; applications for field studies

Immunity, Complement
Strongyloides papillosus, sheep, complement fixing and precipitating antibodies after infection and re-infections

Immunity, Complement
Stemberger, H., 1978, Immun. u. Infekt., v. 6 (2), 71-78
Entamoeba histolytica, investigation of cytolytic action of antibody, complement, and normal human peripheral blood lymphocytes as well as action of peripheral blood lymphocytes from donor with amoebic liver abscess

Immunity, Complement
Stevens, D. R.; and Moulton, J. E., 1978, Infect. and Immun., v. 19 (3), 972-982
Trypanosoma brucei, phagocytosis by mouse peritoneal macrophages, ultrastructural and immunological aspects, results indicate that both specific antibody and complement contribute to ingestion of trypanosomes by activated macrophages but that parasite antigenic variation effectively abrogates phagocytic defense mechanism

Immunity, Complement
Trypanosoma cruzi, soldiers from 4 different provinces in 3 different years, prevalence of infection, correlation between different serodiagnostic methods: northeastern Argentina

Immunity, Complement
Stroczynska-Sikorska, M.; and Sikorski, R., 1979, Ginekol. Polska, v. 50 (12), 993-1002 toxoplasmosis, prophylactically treated pregnant women, pre- and post-treatment evaluation by complement fixation, determination of pregnancy complications, premature, and stillborn infants: Poland

Immunity, Complement

Immunity, Complement
Tandon, A.; Zahner, H.; and Laemmler, G., 1979, Tropenmed. u. Parasitol., v. 30 (2), 180-193 Chagas' disease, human serum, new method for estimation of complement fixing antibodies (complement-enzyme linked immuno sorbent assay or CELISA) compared with haemolytic complement fixation, indirect haemaggullination, and ELISA

Immunity, Complement
Tavares, C. A. P.; et al., 1978, Exper. Parasitol., v. 46 (2), pp. 145-151 Schistosoma mansoni, complement-mediated cytotoxic activity in vitro and effect of decomplementation on acquired immunity in mice, results strongly suggest that complement system is one of effector mechanisms in concomitant immunity in schistosomiasis

Immunity, Complement
Tewari, H. C.; and Singh, (Kr.) S., 1979, Indian J. Animal Sc., v. 49 (8), 643-645 Schistosoma inoccupitum miracidia, effects of normal and immune sera and of complement

Immunity, Complement
Thomas, V.; Ogunna, E. O.; and Fabiyi, A., 1978, Ann. Trop. Med. and Parasitol., v. 73 (5), 451-456 Schistosoma mansoni, S. haematobium, humans, evaluation of seroimmunologic techniques (indirect fluorescent antibody, complement fixation and counter-current immunoelectrophoresis) for diagnosis; cross reactions were consistently present so that it was not possible to differentiate between the parasites: Nigeria

Immunity, Complement
Torper, G.; Ouaiissi, M. A.; and Capron, A., 1979, J. Ultrastructure Research, v. 67 (3), 276-287 Schistosoma mansoni, immune-induced membrane alterations, freeze-fracture study, complement-dependent damage in presence of antiserum to host antigenic determinants

Immunity, Complement

Immunity, Complement
Tribouley, J.; et al., 1978, Ann. Parasitol., v. 53 (1), 21-31 toxoplasmosis, human, seroepidemiologic survey, complement fixation and passive haemaggullination tests, age of host, possible sources of infection: Guadeloupe; Martinique
Immunity, Complement

Verroult, P. J.; et al., 1979, Kidney Internat., v. 16 (1), 9-14
Schistosoma mansoni, filariasis, hydatidosis, human, circulating immune complexes, C3d levels, complement activation by parasite antigens

Immunity, Complement

Dermacentor andersoni, C4-deficient guinea pigs with total deficiency in classical pathway of complement activation but with intact alternate pathway display tick resistance after one infestation

Immunity, Complement

Plasmodium falciparum, children, hypocomplementemia may be severe during acute infections but is only transient

Immunity, Complement

Anaplasma marginale, cattle, comparison of 4 serological tests for detection of humoral antibodies (capillary agglutination, complement fixation, plate agglutination, and indirect fluorescent antibody)

Immunity, Complement

Trypanosoma brucei-infected rabbits, postulation on mechanism of anemia (that red blood cells are coated on surface by trypanosome antigen-antibody complexes and that these cells under certain conditions are lysed by complement or agglutinated and removed by spleen)

Immunity, Complement

Zapart, W., 1970, Acta Parasitol. Polon., v. 18 (1-12), 7-23
Ascaris suum, guinea pigs, rabbits, complement fixation test, ring precipitation test, comparison of results using whole antigen vs. antigens fractionated by 2 different methods

Immunity, Complement

Ascaris suum, evaluation of 5 antigens prepared by different methods of fractionation (agar-gel precipitation, immunoelectrophoresis, complement fixation, and ring precipitation tests), chromatography and chemical analysis of different antigens

Immunity, Complement

Kala azar, woman, hemolytic anemia, possible abnormal sensitivity of erythrocyte membrane to complement

Immunity, Complement

Ascaris suum and Toxocara canis, rabbits and Rhesus monkeys, diagnosis using T. canis antigen for complement fixation, passive haemagglutination, and immunodiffusion tests, extensive cross-reactivity


Immunity, Cross-reactions

Afchain, B.; et al., 1979, J. Parasitol., v. 65 (4), 507-514
Trypanosoma cruzi culture forms, antigenic make-up, comparison with salivarian and some other stercorarian trypanosomes and Leishmania using immunoprecipitation in gels and immunoelectrophoreses, identification of component specific to T. cruzi

Immunity, Cross-reactions

Agrawal, M. C.; Sahasrabudhe, V. K.; and Gehlot, K., 1979, Indian Vet. J., v. 56 (8), 682-685
mice, immunization against Schistosoma indicum by administration of cercariae of S. indicum

Immunity, Cross-reactions

Trypanosoma cruzi, mice with chronic infection with Colombian strain, inoculation with virulent Y strain, results demonstrate that chronic infection produces partial immunity and that co-existence of parasite strains is possible

Immunity, Cross-reactions

Trypanosoma cruzi, T. rangeli, Panamanian villagers, diagnosis, micro-enzyme-linked immunosorbent assay, some serologic cross-reactivity between 2 species; comparison with complement fixation, direct agglutination, and clinical diagnosis

Immunity, Cross-reactions

Au, A. C. S.; and Ko, R. C., 1979, Ztschr. Parasitenk., v. 59 (2), 161-168
Trichinella spiralis, Angiostrongylus cantonensis, cross-resistance in laboratory rats

Immunity, Cross-reactions

Trypanosoma brucei, T. congolense, crossreacting determinants in variant-specific surface antigens
Immunity, Cross-reactions
Bickle, Q. D.; et al., 1979, Parasitology, v. 78 (2), 185-193
Schistosoma mattheei, sheep, duration of resistance following homologous vaccination with irradiated schistosomula; heterologous vaccination with Schistosoma mattheei against challenge with S. bovis and with S. mansoni against S. mattheei failed to induce protection

Immunity, Cross-reactions
Campbell, N. J.; Dineen, J. K.; and Kelly, J. D., 1979, Research Vet. Sc., v. 26 (5), 391-393
Effect of Taenia hydatigena on existing and concurrent infections of Fasciola hepatica in sheep

Immunity, Cross-reactions
Taenia taeniaeformis, Fasciola hepatica, rats, homologous resistance and cross resistance

Immunity, Cross-reactions
Entamoeba histolytica, antigenic analysis of 2 strains (HT-31 and HK-9) by 2-dimensional immunoelectrophoresis, cross-reactions showed large number of shared antigens between strains

Immunity, Cross-reactions
Chisholm, E. S.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 14-19
Babesia microti, human, diagnosis, indirect immunofluorescent antibody test is sensitive, specific, and reproducible; cross-reactivity did occur with other Babesia spp. and with Plasmodium spp.

Immunity, Cross-reactions
Serum positive for Chagas-Mazza or toxoplasmosis or both, adsorption with 3 lines of Trypanosoma cruzi, immunofluorescent titers, no cross reactions between T. cruzi and toxoplasmosis: Provincia de San Luis

Immunity, Cross-reactions
Cox, F. E. G., 1977, Protozoology, v. 3, 129-134
Trypanosoma musculi, T. b. brucei, Babesia microti, mice, interactions between parasites

Immunity, Cross reactions
Cox, F. E. G., 1978, Parasitology, v. 76 (1), 55-60
Plasmodium vinckei, Babesia microti, heterologous immunity, simultaneous elimination of the two species from blood of doubly infected mice

Immunity, Cross-reactions
Trypanosoma brucei, crossreacting determinants in C-terminal region of variant surface antigens

Immunity, Cross-reactions
Decker-Jackson, J. E.; and Honigberg, B. M., 1978, J. Protozool., v. 25 (4), 514-525
Leishmania donovani, antigenically active glycoproteins released by parasites: immunologic properties and relationships with Mycobacterium antigens and human red cell antigens; preliminary biochemical analysis; possible involvement in pathogenesis of kala azar

Immunity, Cross-reactions
Dikova, J. E.; and Martin, J. E., 1979, Parasitologia, Leningrad, v. 8 (6), 548-552
Eimeria tenella, 13 strains, intraspecific variability with respect to virulence, re-productive capability, and immunogenic properties: USSR

Immunity, Cross-reactions
Fasciola hepatica, nature and characteristics of cross protection produced in sheep by infection with Cysticercus tenuicollis, mechanism unknown, may be immunological

Immunity, Cross-reactions
Toxoplasma gondii, chronically infected cats re-excreted T. gondii oocysts after superinfection with Isospora felis, this re-excretion was prevented in cats infected with I. felis before T. gondii infection, administration of BCG before Toxoplasma infection had no apparent effect on outcome of infection

Immunity, Cross-reactions
Hammondia hammondi, Besnoitia jellisoni, Toxoplasma gondii, BCG, comparison of cross-protection in hamsters

Immunity, Cross-reactions
Dusanic, D. G., 1979, Internat. J. Parasitology, v. 9 (6), 577-583
Trypanosoma lewisi, rats, Trypanosoma musculi, mice, precipitin responses of immune hosts repeatedly infected, antigenic relationships of these 2 trypanosome species, microimmunodiffusion, crossed immunoelectrophoresis (CIE), and tandem CIE analyses

Immunity, Cross-reactions
Toxoplasma gondii, Besnoitia jellisoni, Leishmania, and virus infections in mice and hamsters, challenge with homologous and heterologous species, components of specific immunity and nonspecific resistance

Immunity, Cross-reactions
Garkavi, B. L., 1974, Parazitologiia, Leningrad, v. 8 (4), 299-301
Trichinella spiralis, T. pseudospiralis, cross immunity in mice and rats
Immunity, Cross-reactions
mucocutaneous leishmaniasis immunofluorescence test using in vitro grown strain of L[esishmania] brasilienis, antigen standardization, cross reactions with Chagas disease and kala-azar sera

Immunity, Cross-reactions
Hillyer, G. V.; and del Llano de Diaz, A., 1979, J. Parasitol., v. 65 (1), 55-60
Fasciola hepatica, solubilization of antigens which are reactive with anti-Schistosoma mansoni antiserum

Immunity, Cross-reactions
Hillyer, G. V.; and Sargentos de Ateca, I., 1979, Infect. and Immun., v. 26 (3), 802-807
Fasciola hepatica antigens induce cross-protection against Schistosoma mansoni, isolation by concanavalin A affinity chromatography, properties

Immunity, Cross-reactions
Taenia hydatigena, goats, sheep, cattle (all exp.), challenged orally with Fasciola hepatica metacercariae, showed no evidence of resistance

Immunity, Cross-reactions
Kaliraj, P.; Ghimrikar, S. N.; and Harinath, B. C., 1979, Indian J. Exp. Biol., v. 17 (4), 332-335
Bancroftian filariasis, human, immunodiagnosis, indirect fluorescent antibody technique using sonicated microfilariae of Wuchereria bancrofti, Brugia malayi, or Dirofilaria immitis; apparent cross reactions with sera from people with intestinal helminth infections

Immunity, Cross-reactions
Schistosoma japonicum, humans with chronic infections, skin tests with S. mansoni and S. japonicum antigens both gave high degree of positive results indicating definite cross-reactivity

Immunity, Cross-reactions
Trypanosoma cruzi, T. lewisi, cross-immunity studies in young mice and rats

Immunity, Cross-reactions
Knell, J. D.; and Zam, S. G., 1978, J. Invert. Path., v. 31 (3), 280-288
Nosema spp., double immunodiffusion techniques used to investigate taxonomic relationships between 6 different microsporidian isolates

Immunity, Cross-reactions
kala-azar in children, indirect fluorescent antibody test used for diagnosis and to differentiate Leishmania donovani from Leishmania tropica, cross-reactivity of Leishmania donovani antigen with antisera of other parasitic infections studied

Immunity, Cross-reactions
Trypanosoma dionisii, T. vespertilionis, immunized mice, delayed-type hypersensitivity footpad response to homologous or heterologous species
Subject Headings

Immunity, Cross-reactions
Long, P. L.; and Millard, B. J., 1979, Parasitol., v. 78 (1), 41-51

Eimeria dispersa, isolation from turkeys in Britain, life cycle and reproduction, cross-protection against American strain, electrophoretic analysis of enzymes, host specificity studies, in vitro growth studies, gross pathology, pathogenicity, immunogenicity.

Immunity, Cross-reactions
Long, P. L.; and Millard, B. J., 1979, Parasitol., v. 79 (3), 451-457

Eimeria maxima, immunological differences between laboratory strains and field isolates of mixed immunizing inoculum on heterologous challenge.

Immunity, Cross-reactions

Babesia argentina, cattle (nat. and exper.), diagnosis by rapid latex agglutination test applicable in field, specificity relative to infections with Babesia bigemina and Anaplasma marginale, comparison of results with complement fixation and indirect fluorescent antibody tests.

Immunity, Cross-reactions

Trypanosoma cruzi, mice, cross-immunization between 5 parasite strains using freeze-thawed vaccines containing epimastigotes of 1, 2, 3, or 5 strains, all except one of single-strain vaccines gave good protection against both homologous and heterologous challenges, inclusion of more than one strain in vaccine failed to increase protection and in some instances appeared to reduce it.

Immunity, Cross-reactions
Mahoney, D. F.; et al., 1979, Internat. J. Parasitol., v. 9 (4), 297-306

Babesia bovis, immune response in Bos taurus studied using passive transfer of serum from immune animals, results suggest effector mechanism is mediated by strain-specific antibody.

Immunity, Cross-reactions

Myxosoma cerebralis, rabbits immunized with antigens extracted from mature spores or prespore stages, antiserum and globulins used in fluorescent antibody techniques, direct fluorescent antibody test showed higher specificity than indirect FAT in cross reactions with other species of myxosporidians.

Immunity, Cross-reactions

Kala-azar patient serum gives positive reactions in complement fixation reaction using BCG antigen, purification of BCG antigenic fractions related to Leishmania donovani.

Immunity, Cross-reactions
Mendez, N. F.; et al., 1979, Transplant. Proc., v. 11 (2), 1304-1305

cross-reactions between Trypanosomatidae cell extracts and HLA antigens.

Immunity, Cross-reactions
Michael, A. I.; Awadalla, H. N.; and Farag, H. F., 1979, Tropenmed. u. Parasitol., v. 30 (1), 62-64

Schistosoma haematobium-infected mice challenged with S. mansoni, study of granuloma development suggests presence of cross-immunization.

Immunity, Cross-reactions
Minami, T., 1977, Japan Agric. Res. Quart., v. 11 (4), 234-238

Japanese Babesia sp., cattle (exper.), capillary-tube agglutination test, discrimination from B. bigemina and B. argentina was almost possible, no cross reactions with other protozoa.

Immunity, Cross-reactions

Babesia bigemina and Japanese Babesia species can be serologically differentiated by the complement fixation and capillary-tube agglutination tests.

Immunity, Cross-reactions
Moqbel, R.; and Wakelin, D., 1979, Expier. Parasitol., v. 47 (1), 65-72

Trichinella spiralis, Strongyloides ratti, immune interaction in adult rats, may involve interplay of cross-immunity and cross-suppression.

Immunity, Cross-reactions

Onchocerca volvulus, humans, detection of antibodies using adult O. gutturosa antigen; comparison of indirect haemagglutination, agar gel diffusion, and counter-current immunoelectrophoresis methods; cross reactions with sera of persons infected with Wuchereria bancrofti.

Immunity, Cross-reactions

Ascaris lumbricoides (var. suum), humans, mice, allergens investigated using radioallergosorbent test and passive cutaneous anaphylaxis test, cross-reactions with other helminths, some biochemical and immunobiological properties of allergens.

Immunity, Cross-reactions
Oelerich, S., 1977, Tropenmed. u. Parasitol., v. 28 (4), 539-544

Paragonimus uterobilateralis, P. africanus, Macaca mulatta (exper.), serological changes (indirect hemagglutination, complement fixation, double gel diffusion), cross-reactions occurred but species could be differentiated by disc-electrophoresis; supplemented by parasitologic and radiologic observations of other authors.

Immunity, Cross-reactions
Ørnbjerg Christensen, N.; et al., 1978, Expier. Parasitol., v. 46 (1), 113-120

Schistosoma mansoni, Fasciola hepatica, cross-resistance in mice.
Immunity, Cross-reactions


Tsopora hominis, T. belli, humans, epidemiologic survey, clinical aspects, immunodagnostic comparisons with Toxoplasma gondii (immunofluorescence, protein electrophoresis, Sabin-Feldman dye test) resulted in frequent cross-reactions: Goias, Brazil

Immunity, Cross-reactions


mixed Schistosoma mansoni and S. bovis infection in Sudanese immigrant (stool), case report, significance in relation to current concepts on heterologous immunity discussed, infection possibly acquired from drinking river water frequented by wild animals: Uganda

Immunity, Cross-reactions

Petavy, A., 1979, Exper. Parasitol., v. 48 (1), 9-14

Schistosoma mansoni, Fasciola hepatica, demonstration of common antigen

Immunity, Cross-reactions

Peres, H.; Arredondo, B.; and Machado, R., 1979, Expier. Parasitol., v. 48 (1), 9-14

Leishmania mexicana, L. tropica major, cross immunity in mice, evidence of shared antigenic determinants which are involved in cell-mediated immune responses

Immunity, Cross-reactions

Petry, A. F.; et al., 1978, Avian Path., v. 7 (4), 533-540

Syngamus trachea, antigenic structure studied by gel electrophoresis and by immunoelectrophoresis including staining for enzyme activity, cross-reactions with Trichinella spiralis and Ascaris lumbricoides

Immunity, Cross-reactions


Plasmodium berghei 'NS lines' form distinct taxon within P. yoelli complex and should be referred to as P. yoelli subspecies on basis of isoenzyme, DNA, and cross-immunity relationships with other rodent Plasmodium spp.

Immunity, Cross-reactions

Powell, C. N., 1978, Experientia, v. 34 (11), 1450-1451

Trypanosoma rhodesiense, rats, inoculation with fraction 3, protection against challenge with T. brucei

Immunity, Cross-reactions

Rajasekariah, G. R.; et al., 1979, Ztschr. Parasitenk., v. 58 (2), 175-180

Fasciola hepatica, unsuccessful attempts to immunise rats and mice by oral dosing with Taenia hydatigera eggs or by vaccination with various T. hydatigera antigen preparations, results suggest that mice and rats are inappropriate as models for investigating cross-immunity between these 2 species

Immunity, Cross-reactions

Razzaakov, Sh. A., 1976, Med. Parazitol. 1

Parazitar. Bolezni, v. 45 (4), 148-159

echinococcal or alveococcal antigen-antibody complexes used to immunize rabbits, resulting sera with narrow specificity, useful for immunochemical analysis of echinococcal or alveococcal antigens

Immunity, Cross-reactions

Ryley, J. F.; and Hardman, L., 1978, J. Parasitol., v. 64 (5), 878-881

Eimeria acervulina, E. mivati, speciation studies (cross-immunity and drug resistance studies), some immunological relationship was demonstrated but the failure of the 2 organisms to interbreed in the drug resistance studies lends support to status of E. mivati as distinct species

Immunity, Cross-reactions

Saathoff, M.; Kasper, M.; and Demmer, H., 1978, Deutsche Med. Wchnschr., v. 103 (41), 1606-1608, 1609-1611

Trichinella spiralis, humans, animals, diagnosis, sensitivity and specificity of 4 different serological tests, serologic differentiation from some other helminth infections with which cross-reactions occur

Immunity, Cross-reactions

Sato, Y.; et al., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (4), 209-221

Angiostrongylus cantonensis, human, 7 suspected cases, immunodiagnosis (gel diffusion, immunoelectrophoresis, indirect hemagglutination, skin test), cross-reactions with other helminths observed: Okinawa

Immunity, Cross-reactions


Echinococcus granulosus-infected sheep, comparative evaluation of the intradermal, Bentonite flocculation, and indirect hemagglutination diagnostic tests, some cross reactions with Taenia hydatigera-infected sheep (nat. and exper.), histopathology of intradermal reactions

Immunity, Cross-reactions

Shirley, M. W., 1979, Avian Path., v. 8 (4), 469-475

Eimeria mivati, chickens (expers.), 3 strains (2 chicken-maintained, 1 embryo-adapted), pathogenicity compared with E. acervulina, cross-protection between virulent and attenuated strains

Immunity, Cross-reactions


Brugia malayi, Wuchereria bancrofti, infected human sera, indirect immunofluorescence test using sonicated microfilariae of B. malayi as antigen, cross reaction studies with onchocerciasis sera
Immunity, Cross-reactions
de Souza, M. do C. M., 1974, Rev. Patol. Trop., v. 3 (3), 291-332
- Leptomomas pessoali, antigenic relationships with other trypanosomatids, cross-protection of mice against Trypanosoma cruzi

Immunity, Cross-reactions
de Souza, M. do C. M.; and Barbosa, W., 1972, Rev. Patol. Trop., v. 1 (4), 415-419
- Antigens of Crithidia fasciculata, Trypanosoma cruzi and Leishmania brasiliensis showed cross-reacting precipitating bands with the antigen of Leptomomas pessoali as demonstrated by the agar gel diffusion technique

Immunity, Cross-reactions
Speiser, F.; and Weiss, N., 1979, Experientia, v. 35 (11), 1512-1514
- 112 sera from Europeans with parasitologically proven helminthiasis tested in enzyme-linked immunosorbent assay against 7 non-purified helminth antigens, extensive cross-reactions

Immunity, Cross-reactions
Sukhdeo, M. V. K.; and Meervitch, E., 1979, Internat. J. Parasitol., v. 9 (6), 571-576
- Trichinella, 3 geographic isolates (Alaska, Canada, Kenya), comparison of antigenic characteristics, possible taxonomic implications

Immunity, Cross-reactions
Swietlikowski, M., 1975, Acta Parasitol. Polon., v. 23 (1-11), 147-17
- Dictyocaulus filaria did not develop to sexual maturity in calves but in some circumstances provided weak resistance to challenge with D. viviparous, 1000 larvae given to calves under 3 months of age provoked symptoms of clinical dictyocaulosis, serological findings indicate differences in antigen structure of the 2 species

Immunity, Cross-reactions
- Litomosoides carinii, excretory/secretory and somatic antigens studied in double diffusion, immunoelectrophoresis, complement fixation, and indirect hemagglutination tests using serum from infected cotton rats and immunized rabbits, cross-reactions with serum from microfilaria inmitis-infected dogs in double diffusion test

Immunity, Cross-reactions
- Infection of pigs with Oesophagostomum spp. does not affect specificity of ELISA (enzyme-linked immunosorbent assay) test for presence of antibody to Trichinella spiralis; cross-reactions between nematodes need not under most conditions be taken into account in interpretation of ELISA results

Immunity, Cross-reactions
Terziiski, A.; Bacheva, O.; and Dragneva, N., 1977, Khelmintologiia, Sofia, v. 4, 68-72
- Ascaris suum, no antigenic similarity with Ditylenchus dipsaci, negative cross-reactions, cross intracutaneous test

Immunity, Cross-reactions
- Schistosoma mansoni, S. haematobium, humans, evaluation of seroimmunologic techniques (indirect fluorescent antibody, complement fixation and counter-current immunoelectrophoresis) for diagnosis; cross reactions were consistently present so that it was not possible to differentiate between the parasites: Nigeria

Immunity, Cross-reactions
- Babesia bigenina, immune response of calves to acute and chronic blood- and tick-borne infections with 4 stables, reduced immune response to homologous challenge but marked response to heterologous challenge induced antigenic differences between isolates

Immunity, Cross-reactions
Torres, P.; and Barriga, O. O., 1975, Acta Parasitol. Polon., v. 23 (26-40), 441-451
- Ascaris suum, A. lumbricoides, Toxocara mystax, A. galli, adult specimens, common and species-specific antigens, antigenic composition of different sexes within each species

Immunity, Cross-reactions
Tribouley-Duret, J.; et al., 1978, Ann. Parasitol., v. 53 (6), 641-648
- Strongyloides stercoralis, human, diagnosis, E.L.I.S.A. with S. ratti as antigen, some cross-reactions in patients with other nema-tode infections, should be used in conjunction w. other diagnostic methods, useful for assessing effectiveness of treatment

Immunity, Cross-reactions
Ullenberg, G.; van Vorstenbosch, C. J. A. H. V.; and Perle, N. M., 1979, Vet. Quart., v. 1 (1), 14-22
- Anaplasma mesenterum sp. n., sheep (nat. and exper.) and goats (exper.), pathogenicity, oxytetracycline treatment, cross-immunity tests with A. ovis: Ameland, the Netherlands

Immunity, Cross-reactions
- Sera from 2 patients (one with Echinococcus vogeli and one with cysticercosis associated with multiple myeloma) were positive to immunoelectrophoresis test for hydatidosis based on E. granulosus arc 5 positivity criterion

Immunity, Cross-reactions
- Schistosoma haematobium-immunized Papio anubis, strong immunity to homologous challenge, marked degree of acquired immunity to S. mansoni challenge
Immunity, Cross-reactions

Babesia spp., mice, dogs, rabbits, enzyme-linked immunosorbent assay suitable for detection of antibodies in field surveys, cross-reactions occurred although distinct titer differences could be observed

Immunity, Cross-reactions

Toxoplasma gondii, Hammondia hammondii, mice, serological cross-reactions

Immunity, Cross-reactions

Visceral larva migrans, mice, dogs, humans, enzyme-linked immunosorbent assay and indirect immunofluorescence using Toxocara canis and Ascaris suum as antigens proved to be unsuitable for diagnosis, cross-reactivity with other helminths

Immunity, Cross-reactions

Echinococcus granulosus, Taenia hydatigena, T. ovis, sheep (nat. and exper.), indirect haemagglutination test using cyst fluids as antigens, serological cross-reactions, test useful for non-specific detection of larval cestodes

Immunity, Cross-reactions

Echinococcus granulosus, man with positive immunoelectrophoresis test for hydatidosis, later diagnosed as pulmonary carcinoma, possible antigenic similarity: New Zealand

Immunity, Cross-reactions

Ascaris suum and Toxocara canis, rabbits and Rhesus monkeys, diagnosis using T. canis antigen for complement fixation, passive haemagglutination, and immunodiffusion tests, extensive cross-reactivity

Immunity, Cutaneous reactions. See Immunity, Skin tests.

Immunity, Diagnosis. [See also Immunity, Agglutination; Immunity, Complement; Immunity, Enzyme labelling; Immunity, Immobilization; Immunity, Lymphocyte transformation; Immunity, Macrophage migration test; Immunity, Precipitation; Immunity, Radioimmunoassay; Immunity, Skin tests; Immunofluorescence]

Immunity, Diagnosis

Toxoplasma gondii, human lymphatic infections, immunofluorescence tests and Sabin-Feldman dye tests compared

Immunity, Diagnosis

test for anti-Toxoplasma gondii antibodies in persons with various non-parasitic diseases, Sabin-Feldman dye test and immunofluorescence compared using serum vs. ascitic fluid samples

Immunity, Diagnosis

Toxoplasma gondii, human acquired lymphatic infection, comparative study of serum and cerebro spinal fluid with Sabin-Feldman dye test, less antibodies in spinal fluid than serum, no evidence of nervous system involvement

Immunity, Diagnosis

Toxoplasma gondii, humans, diagnosis, review

Immunity, Diagnosis

Toxoplasma gondii, antibody prevalence survey in pregnant women during diagnostic work-ups prior to delivery, immunofluorescence and Sabin-Feldman dye tests both of diagnostic value but direct agglutination test gave false positive reactions

Immunity, Diagnosis

Toxoplasma gondii, survey of serum samples from blood donors, Sabin-Feldman dye test and indirect immunofluorescence tests compared; Sarcocystis sp. in local animals may have some bearing on test results: Belo Horizonte, Brazil

Immunity, Diagnosis

Toxoplasma gondii, epidemiologic survey of indians of the Upper Xingu River (indirect immunofluorescence), comparison with 2 other surveys made in different geographic areas and in populations of more advanced areas of civilization (Sabin-Feldman dye test), little significant differences: Brazil

Immunity, Diagnosis
Beach, F. G., 1979, J. Infect. Dis., v. 140 (5), 780-783

Toxoplasma gondii antibody prevalence in pregnant women, indirect haemagglutination test acceptable for mass screening, comparison with methylene blue dye test and indirect fluorescent antibody test: Oregon

Immunity, Diagnosis
toxoplasmosis, human, serodiagnosis, review

Immunity, Diagnosis

toxoplasmosis, humans, diagnosis comparing Sabin Feldman dye test and latex flocculation; both tests gave similar results
Immunity, Diagnosis

Trichinella spiralis, rabbits (exper.), dynamics of immunocytoadherence test, value in diagnostic and prognostic evaluation of trichinellosis

Immunity, Diagnosis

leishmaniasis, immunodiagnosis, review

Immunity, Diagnosis

Buck, A. A.; Anderson, R. I.; and MacRae, A. A., 1978, Tropenned. u. Parasitol., v. 29 (2), 145-155
poly-parasitism interferes with immunodiagnostic tests both directly and indirectly, examples and implications for epidemiological studies

Immunity, Diagnosis

Encephalitozoon cuniculi, specific pathogen-free rabbit colony, diagnosis by modified India-ink immunoreaction test, eradication by culling of seropositive animals

Immunity, Diagnosis

toxoplasmosis, human, diagnosis, complement fixation reaction, evaluation of different antigens and methods, comparison with dye test and indirect immunofluorescence

Immunity, Diagnosis

Toxoplasma gondii, pregnant women, serodiagnosis, review

Immunity, Diagnosis

Trypanosoma cruzi, laboratory diagnosis of unsuspected acute post-transfusion Chagas' disease, 2 case reports: Sao Paulo

Immunity, Diagnosis

Trichinella spiralis, serological diagnosis, quality of antigen prepared by 4 different methods compared

Immunity, Diagnosis

Camarota, M. E.; Castro, C.; and Aon, J. J., 1972, Rev. Argent. Cardiol., v. 40 (1), 49-54
Toxoplasma gondii, evaluation as cause of human myocarditis, importance of differential diagnosis

Immunity, Diagnosis

Capron, A.; et al., 1974, Tijdschr. Gastroenterol., v. 17 (1), 17-23
hepato-biliary parasitic infections, humans, use of immunologic diagnostic techniques for post-therapeutic evaluations

Immunity, Diagnosis

Cross, J. H., 1973, Taiwan J. Hsueh Hui Tsu Chih (J. Formosan Med. Ass.), v. 72 (7), 407-412
parasitic diseases of human respiratory system, immunodiagnostic methods, review

Immunity, Diagnosis

human echinococcosis, review of currently used immunologic diagnostic techniques

Immunity, Diagnosis

Entamoeba histolytica, human, immunodiagnosis, comparative evaluation of tests, review

Immunity, Diagnosis

Dymowska, Z., 1974, Przegl. Epidemiol., v. 28 (3), 375-380
human toxoplasmosis, evaluation of Sabin-Feldman dye test, immunofluorescence and other immunobiological tests used in diagnosis

Immunity, Diagnosis

Eckert, J.; and Wissler, K., 1978, Therap. Umschau, v. 35 (9), 768-776
echinococcosis, life cycle, current immunodiagnostic methods reviewed; exper. studies with vermox in rodents, compared with previous studies in man

Immunity, Diagnosis

amoebiasis, serodiagnosis, review

Immunity, Diagnosis

African and American trypanosomiasis, serodiagnosis, review

Immunity, Diagnosis

En[tameoba] histolytica, humans, review of currently available diagnostic methods (fecal examination, search for trophozoites in body exudates and fluids, seroimmunologic methods)

Immunity, Diagnosis

African trypanosomiasis, humans, diagnosis (radiology, electroencephalography, immunofluorescence, immunoelectrophoresis, electrophoresis)

Immunity, Diagnosis

comparison of IgG and IgM contents in serum vs. filter paper blood eluates

Immunity, Diagnosis

Toxoplasma gondii, horses, detection of antibodies by Sabin-Feldman test and indirect fluorescent antibody technique compared
Immunity, Diagnosis
Ismail, M., et al., 1979, Parasite Immunol., v. 1 (3), 251-258
schistosomiasis in humans and in Papio anubis, detection and quantification of antibodies, comparison of thin layer immunoassay vs. enzyme-linked immunosorbent assay

Immunity, Diagnosis
toxoplasmosis, serodiagnosis, review

Immunity, Diagnosis
Toxoplasma gondii, suggestions for improving immunodiagnostic tests, culture procedures and storage methods for laboratory studies

Immunity, Diagnosis
Wuchereria bancrofti, rabbits, immunization with whole and soluble microfilarial (mf) antigens, analysis of rabbit anti-mf sera by agar gel diffusion, possible use of rabbit anti-mf sera in detection of circulating filarial antigen in human filarial cases

Immunity, Diagnosis

Immunity, Diagnosis
Kaliraj, P.; et al., 1978, Indian J. Exper. Biol., v. 16 (9), 994-995
Wuchereria bancrofti, rabbits, immunization with whole and soluble microfilarial (mf) antigens, analysis of rabbit anti-mf sera by agar gel diffusion, possible use of rabbit anti-mf sera in detection of circulating filarial antigen in human filarial cases

Immunity, Diagnosis
Toxoplasmosis, immunodiagnosis, symposium presentation

Immunity, Diagnosis
Encephalitozoon cuniculi, detection of antibodies in rabbit sera, modified India-ink immuno-technique

Immunity, Diagnosis
Encephalitozoon cuniculi, technique for photographing india-ink immunoreaction

Immunity, Diagnosis
Toxoplasma gondii, prevalence survey, Sabin-Feldman dye test, population of 3 areas: State of Sao Paulo, Brazil

Immunity, Diagnosis
Kobayashi, A.; et al., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (6), 427-433
Toxoplasma dye test, human and horse sera as sources of accessory factor, serum from cows, pigs, and sheep could not be used as source of accessory factor

Immunity, Diagnosis
Kobayashi, A.; et al., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 28 (3), 175-180
Toxoplasma, diagnosis, commercial latex agglutination test, comparison with dye and indirect hemagglutination tests

Immunity, Diagnosis
Trypanosomiasis, humans, statistical evaluation of immunological diagnostic findings

Immunity, Diagnosis
Echinococcus granulosus, preparation of monospecific antisera against antigens in sheep hydatid fluid, useful as reagents in serodiagnostic tests

Immunity, Diagnosis
Le Lorier, B.; et al., 1978, Rev. de Med. Limoges, v. 9 (3), 143-148
human toxoplasmosis, comparative discussion on value of Sabin-Feldman dye test, immunofluorescence and agglutination for diagnosis

Immunity, Diagnosis
Schistosomiasis, recent advances in fecal examination technique, rectal biopsy, intradermal test, and serological reactions, review

Immunity, Diagnosis
Visceral leishmaniasis in child apparently acquired while traveling in Yugoslavia, manifestations of severe septic temperature elevations, diagnostic difficulties with diagnosis finally by immunoserologic means, improvement in condition after fuadin therapy: Germany

Immunity, Diagnosis
demonstration of antibodies to Protozoa, extensive review
Immunity, Diagnosis
Toxoplasma gondii, thoroughbred horses grouped by clinical symptoms, serological evaluation by Sabin-Feldman test: Sao Paulo state

Immunity, Diagnosis
Marcipar, A.; et al., 1979, IRCS J. Med. Sc., v. 73 (3), 297-303
Trypanosoma cruzi, immobilized antigens (using polyamide as immunoadsorbent matrix) in indirect enzyme antibody linked method, possible application in diagnosis and antibody isolation

Immunity, Diagnosis
Sarcocystis, "serological tests for human sarcocystis have little or no diagnostic value"

Immunity, Diagnosis
malaria, introductory remarks on seroepidemiology and immunodiagnosis, symposium presentation

Immunity, Diagnosis
malaria, 4 yearly surveys in Surinam with indirect hemagglutination test, general comments on seroepidemiologic surveys and mathematical models for assessment of malaria transmission rates, symposium presentation

Immunity, Diagnosis
Mesocostoides corti, mice, development of sensitive and specific prototype immunodiagnostic reagent based on use of an anti-parasite hybridoma antibody

Immunity, Diagnosis
Toxoplasma gondii, calves (exper.), pregnant cows (exper.), antibody titres measured by indirect fluorescent antibody test and dye test, Toxoplasma reisolated from 3 of the 5 calves, no abortions in pregnant cows and no evidence of infection in their calves, concluded that cattle do not readily acquire persistent T. gondii infections

Immunity, Diagnosis
Echinococcus granulosus, concentration of antigens 4 and 5 in hydatid cyst fluids from various organs and various animal species, standardization of antigenic material for immunodiagnosis of hydatid disease

Immunity, Diagnosis
echinococcosis, human hepatic, extensive review of past and present diagnostic methods: Italy

Immunity, Diagnosis
Pery, P.; and Luffau, G., 1979, Antigens (Sela), v. 5, 83-172
antigens of helminths, extensive review: immunity to helminths; pathophysiology of antigens; immunodiagnosis and immunoprevention

Immunity, Diagnosis
Plonka, W. S., 1975, Przegl. Epidemiol., v. 29 (3), 309-319
human trichinosis, review and evaluation of immunodiagnostic methods

Immunity, Diagnosis
Schistosoma mansoni, humans, fecal examination compared with serological techniques (ELISA, defined antigen substrate spheres, indirect fluorescent antibody, indirect haemagglutination), results show that serological tests lack in specificity and sensitivity: Ethiopia

Immunity, Diagnosis
Pomirovskii, E. N., 1975, Parazitologiya, Leningrad, v. 9 (2), 130-141
Leishmania, comparison of 3 methods of identification of strains

Immunity, Diagnosis
Prasad, B. N.; and Jorgensen, R. J., 1978, v. 17 (1-2), 197-202
Sarcocystis, cattle, isolation and identification using various diagnostic methods, differentiation from Toxoplasma with dye-test: Denmark

Immunity, Diagnosis
parasitic diseases, human, current status, diagnostic methods, review: United States

Immunity, Diagnosis
Echinococcus granulosus, human, immunological diagnosis, review

Immunity, Diagnosis
human ocular toxoplasmosis, clinical, diagnostic and therapeutical review

Immunity, Diagnosis
Echinococcus granulosus, human, review of sero-immunodiagnostic methods

Immunity, Diagnosis
Schistosoma mansoni, antigenic characterization of malate dehydrogenase isoenzymes by immunoelectrophoresis, malate dehydrogenase antigens in S. mansoni, S. haematobium, and S. bovis are immunologically indistinguishable, attempted use of these antigens in defined antigen substrate spheres system, not sensitive enough for immunodiagnosis
Immunity, Diagnosis

Schistosoma mansoni, human, 6 serologic tests evaluated by comparing their results with those of sensitive stool examination method, relationship between intensity of infection and sensitivity and specificity of serologic tests: Parceles de Boquieron, Puerto Rico

Immunity, Diagnosis

parasitic infections, application of immunodiagnostic tests, review

Immunity, Diagnosis

schistosomiasis, serodiagnosis, review

Immunity, Diagnosis

Saiz Moreno, L., 1974, Rev. San. e Hig. Publ., v. 48 (12), 1075-1112
human echinococcosis, review of diagnostic methods in current use, recommendations for techniques useful in epidemiologic surveys

Immunity, Diagnosis

helminth infections, serodiagnosis, review

Immunity, Diagnosis

immunological methods in helminthology, review

Immunity, Diagnosis

immunodiagnosis of malaria, prospects for the future, symposium presentation

Immunity, Diagnosis

trypanosomiasis, several diagnostic methods evaluated under laboratory and field conditions

Immunity, Diagnosis

Stafranek, J.; et al., 1973, Psychiat. Polska, v. 7 (5), 531-534
Toxoplasma gondii, humans with mental illnesses, high proportion of positive reactions to Sabin-Feldman dye test in 72 tested patients, need for diagnostic awareness

Immunity, Diagnosis

Tönder, O.; Closs, O.; and Digranes, A., 1974, Scand. J. Infect. Dis., v. 6 (1), 65-68
Toxoplasma gondii, human, comparison of the indirect haemagglutination and dye test for detection of antibodies

Immunity, Diagnosis

Toxoplasma gondii, naval recruits, comparative evaluation of the Sabin-Feldman dye test and the toxoplasmin cutaneous test (TCT) to evaluate usefulness of the TCT for epidemiologic research: Norway

Immunity, Diagnosis

malaria, serodiagnosis, review

Immunity, Diagnosis

African trypanosomiasis, humans, various immunoserologic diagnostic tests, review

Immunity, Diagnosis

Encephalitozoon cuniculi, rabbits, diagnosis, simple method for collection of blood on filter paper for India-ink immunoreaction

Immunity, Diagnosis

Encephalitozoon cuniculi, rabbits, humoral immune response following different routes of infection, indirect immunofluorescent antibody test, and immunodiffusion test, immunoglobulin classes involved, possible use of results in eradication program

Immunity, Electrophoresis. See Immunity, Precipitation.

Immunity, Enzyme labelling

Albert, H.; and Hoerchner, F., 1979, Berl. u. Munchen. Tierarztl. Wchnschr., v. 92 (10), 189-193
Taenia saginata, calves (exper.), serum antibodies, enzyme-linked immunosorbent assay, titres following reinfection and drug therapy

Immunity, Enzyme labelling

malaria, diagnosis and seroepidemiologic study by immunofluorescence, indirect hemagglutination, and immunoenzymology, brief symposium presentation

Immunity, Enzyme labelling

Ambroise-Thomas, P.; and Desgeorges, P. T., 1978, Bull. World Health Organ., v. 56 (4), 609-613
parasitic diseases, diagnosis, enzyme-linked immunosorbent assay, modified micromethod

Immunity, Enzyme labelling

Ambroise-Thomas, P.; and Desgeorges, P. T.; and Monget, D., 1978, Bull. World Health Organ., v. 56 (5), 797-804
Toxoplasma gondii, Entamoeba histolytica, Trichinella spiralis, Echinococcus granulosus, human, diagnosis by enzyme-linked immunosorbent assay with a modified micro-method, parallel study by comparative serologic tests

Immunity, Enzyme labelling

Trypanosoma cruzi, T. rangeli, Panamanian villagers, diagnosis, micro-enzyme-linked immunosorbent assay, some serologic cross-reactivity between 2 species; comparison with complement fixation, direct agglutination, and clinical diagnosis
Immunity, Enzyme labelling
Arambulo, P. V. III; et al., 1978, Acta Trop., v. 35 (1), 63-67
cysticercosis, human, serodiagnosis by microplate enzyme-linked immunospecific assay

Immunity, Enzyme labelling
Bidwell, D. E.; et al., 1978, Vet. Rec., v. 103 (20), 446-449
Babesia divergens, B. major, cattle (exper.), serological diagnosis, comparison between microplate enzyme linked immunosorbent assay, indirect fluorescent antibody, and complement fixation tests, ELISA may be preferable

Immunity, Enzyme labelling
Toxocara canis, humans, endophthalmitis, enzyme-linked immunosorbent assay revealed Toxocara-specific antibody in serum and vitreous humor

Immunity, Enzyme labelling
Burden, D. J.; and Hammet, N. C., 1978, Vet. Rec., v. 103 (8), 158
Fasciola hepatica, calves (exper.), detection of prepatent infections with micro-enzyme-linked immunosorbent assay (micro-ELISA) test, promising results, no cross reaction with Ostertagia ostertagi

Immunity, Enzyme labelling
Camargo, M. E.; et al., 1978, Infect. and Immun., v. 21 (1), 55-58
toxoplasmosis, diagnostic possibilities of IgG and IgM micro-enzyme-linked immunosorbent assays, results compared to those of hemagglutination, complement fixation, and immunofluorescence tests in serum samples presenting serological characteristics of recent or acute infection, of transitional period following acute infection, and of ancient infection

Immunity, Enzyme labelling
hydatidosis, bilharziasis, toxoplasmosis, humans, diagnosis, enzyme linked immunosorbent assay

Immunity, Enzyme labelling
Trichinella spiralis digestion-negative swine, identification and distribution of swine serum immunoglobulins that react with T. spiralis antigens and may interfere with enzyme-labeled antibody test

Immunity, Enzyme labelling
Angiostrongylus cantonensis, human, eosinophilic meningoitis, review together with some new findings, clinical manifestations, diagnosis (including encouraging results with enzyme linked immunosorbent assay): Taiwan; Okinawa

Immunity, Enzyme labelling
Toxoplasma gondii, diagnosis, standardization of the enzyme-linked immunosorbent assay, discussion of apparatus available for mechanization of this process, importance of suitable carrier for the antigen

Immunity, Enzyme labelling
leishmaniasis, human cutaneous and visceral infections, comparison of enzyme-linked immunosorbent assay and indirect fluorescent antibody test using Leishmania donovani antigens in diagnosis

Immunity, Enzyme labelling
diffusion-in-gel-enzyme-linked-immunosorbent assay as simple method for quantitation of class-specific antibodies, applicability of serological systems of diagnostic relevance including patients with schistosomiasis and amoebiasis

Immunity, Enzyme labelling
Farag, H. F.; et al., 1978, Tropenmed. u. Parasitol., v. 29 (4), 413-416
bilharziasis, human, diagnosis using enzyme-linked immunosorbent assay and homologous antigen, S[chiostoma] haematobium cases generally were less reactive than S. mansoni or mixed infections

Immunity, Enzyme labelling
Farag, H. F.; and Barakat, R. M. R., 1978, Tropenmed. u. Parasitol., v. 29 (1), 12-14
S[chiostoma] mansoni, S[chiostoma] haematobium, human, enzyme linked immunosorbent assay, evaluation of use in diagnosis

Immunity, Enzyme labelling
Felgner, P., 1977, Tropenmed. u. Parasitol., v. 28 (4), 491-495
amebic abscess, human, serodiagnosis, comparison of results using Stick-ELISA (enzyme-linked immunosorbent assay) and those obtained by complement fixation, indirect hemagglutination, counter-electrophoresis, and latex agglutination

Immunity, Enzyme labelling
alveolar and cystic echinococcosis, human, antibody activity in stick-ELISA compared to activity of complement fixation and indirect hemagglutination, no test allowed species specific diagnosis of cystic disease but most alveolar infections could be recognized using homologous antibody and ELISA or complement fixation

Immunity, Enzyme labelling
new technique of heterogenous enzyme-linked immunosorbent assay, stick-ELISA
Immunity, Enzyme labelling
new technique of heterogenous enzyme-linked immunosorbent assay (stick-ELISA), application to antigens of various infective agents (including Entameba histolytica, Toxoplasma gondii, Echinococcus spp., Schistosoma mansoni)

Immunity, Enzyme labelling
Ferreira, A. W.; et al., 1979, J. Helminth., v. 53 (3), 189-194
Schistosoma mansoni, immuno-enzymatic assay for detection of antigens in serum of mice harboring bisexual or unisexual light worm infections

Immunity, Enzyme labelling
Ferreira, A. W.; Camargo, M. E.; and Nakahara, O. S., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (6), 341-345
Schistosoma mansoni, immuno-peroxidase-antiglobulin diagnostic test compared with standard immunofluorescence and hemagglutination tests

Immunity, Enzyme labelling
Encephalitozoon cuniculi, rabbits (nat. and exper.), diagnosis, immunoperoxidase test, comparison with immunofluorescence test

Immunity, Enzyme labelling
Toxocara canis, human visceral larva migrans, serodiagnosis, enzyme-linked immunosorbent assay appears to be method of choice as compared to indirect hemagglutination, hentonite flocculation, and double diffusion in agar

Immunity, Enzyme labelling
Toxocara canis, patients with diagnostic ELISA titres vs. patients with presumed visceral larva migrans but less or no detectable antibody, clinical findings (including leucocytosis, eosinophilia, increased anti-A or anti-B isohaemagglutinin titre, elevated serum IgG level), epidemiological characteristics (age, sex, northern vs. southern residence, history of pica)

Immunity, Enzyme labelling
Hassan, F.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (1), 3-7
Schistosomiasis, humans, enzyme linked immunosorbent assay (ELISA), immunodiagnosis, compared with indirect fluorescent antibody and indirect hemagglutination tests

Immunity, Enzyme labelling
Hillyer, G. V.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (4), 661-669
Schistosoma mansoni, sera from infected persons, immunodiagnosis, comparison of enzyme-linked immunosorbent assay, radioimmunoassay and precipitation tests performed with antigens from eggs

Immunity, Enzyme labelling
Hillyer, G. V.; and Gomez de Rios, I., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 257-261
Schistosoma mansoni, humans, mice, immunodiagnosis, enzyme-linked immunosorbent assay using soluble egg antigens, extensive cross-reactivity when using sera from subjects with other helminthiases

Immunity, Enzyme labelling
Hillyer, G. V.; and Santiago de Neill, N., 1979, J. Parasitol., v. 65 (5), 680-684
Fasciola hepatica, rats, rabbits, enzyme linked immunosorbent assay can be used for serodiagnosis and for prediction of chemotherapeutic success

Immunity, Enzyme labelling
human and canine visceral leishmaniasis, micro-scale enzyme-linked immunosorbent assay (micro-ELISA) technique for serodiagnosis using leishmania infantum as soluble antigen

Immunity, Enzyme labelling
Ismail, M.; et al., 1979, Parasite Immunol., v. 1 (3), 251-258
schistosomiasis in humans and in Papio anubis, detection and quantification of antibodies, comparison of thin layer immunoassay vs. enzyme-linked immunosorbent assay

Immunity, Enzyme labelling
Bilharziasis, dogs (exper.), diagnosis, enzyme-linked immunosorbent assay

Immunity, Enzyme labelling
Besnoitia besnoiti, B. jellisoni, rabbits, mice, diagnosis, indirect immunofluorescent antibody technique and enzyme-linked immunosorbent assay compared

Immunity, Enzyme labelling
Schistosoma mansoni, human, immunodiagnosis, enzyme-linked immunosorbent assay for detection and quantification of antibody to circulating antigen, findings correlated with results of fecal egg counts (relationship demonstrable within certain limits of host age and worm burden)

Immunity, Enzyme labelling
African trypanosomiasis, humans, diagnosis, evaluation of enzyme linked immunosorbent assay, comparison with other seroimmunologic tests

Immunity, Enzyme labelling
Trypanosoma spp., cattle, immunodiagnosis, micromodification of enzyme-linked immunosorbent assay, test did not distinguish between different trypanosome species but there were no cross-reactions with other protozoal antigens
Immunity, Enzyme labelling
Trypanosoma evansi, camels (nat. and exper.), indirect fluorescent antibody test and microscale enzyme linked immunosorbent assay compared with tests for detection of raised euglobulin levels: Sudan

Immunity, Enzyme labelling
Trypanosoma evansi, rabbits, serodiagnosis, comparison of serum immunoglobulin levels, enzyme-linked immunosorbent assay, and fluorescent antibody test

Immunity, Enzyme labelling
Trypanosomiasis, cattle, diagnosis, indirect fluorescent antibody test, enzyme-linked immunosorbent assay, and serum IgM levels compared: Liberia

Immunity, Enzyme labelling
Schistosoma mansoni, humans, monkeys, enzyme-linked immunosorbent assay technique using antigens prepared from eggs, cercariae, and adult worms, differential responses to antigen serologically differentiated between chronic and acute infections

Immunity, Enzyme labelling
Leishmania spp., immunized rabbits, infected hamsters (exper.), and humans, quantitative estimation of antibody titers by enzyme-linked immunosorbent assay, some comparisons with passive hemagglutination, complement fixation, and countercurrent immunoelectrophoresis

Immunity, Enzyme labelling
Schistosoma mansoni, enzyme linked immunosorbent assay (ELISA) test evaluated for diagnosis using a wide range of subjects representative of various field situations

Immunity, Enzyme labelling
Mangenot, M.; et al., 1979, Med. Trop., v. 39 (5), 527-530
African trypanosomiasis, humans, detection of foci, ELISA vs. immunofluorescence

Immunity, Enzyme labelling
Mannweiler, E.; et al., 1978, Deutsche Med. Wchnschr., v. 103 (40), 1562-1565
Trichinella spiralis, serum antibody findings in humans who had eaten wild boar meat, complement fixation, indirect haemagglutination, and ELISA tests

Immunity, Enzyme labelling
Mannweiler, E.; Felgner, P.; and Lederer, I., 1979, Deutsche Med. Wchnschr., v. 104 (32), 1139-1142
Echinococcus cysticus, Echinococcus alveolaris, humans, serum antibodies, complement fixation, indirect haemagglutination, and indirect enzyme immuno (ELISA) techniques

Immunity, Enzyme labelling
Marcipar, A.; et al., 1979, IRCS J. Med. Sci., v. 7 (4), 178
Trypanosoma cruzi, immobilized antigens (using polyamide as immunoadsorbent matrix) in indirect enzyme antibody linked method, possible application in diagnosis and antibody isolation

Immunity, Enzyme labelling
Onchocerca volvulus, antigens extracted from adult worms, purification and partial characterization, successful use in enzyme-linked immunosorbent assay

Immunity, Enzyme labelling
Marius, V.; et al., 1979, Ann. Recherches Vet., v. 10 (1), 55-63
Calves (exper.) infected with Dictyocaulus viviparus and several intestinal nematodes, antibodies against D. viviparus antigen in sera and respiratory secretions, enzyme-linked immunosorbent assay

Immunity, Enzyme labelling
Matossian, R. M.; et al., 1979, J. Helminth., v. 53 (4), 287-291
Human hydatid disease, serodiagnosis, indirect haemagglutination, enzyme-linked immunosorbent assay, fluorescence using defined antigen substrate spheres

Immunity, Enzyme labelling
Miller, R. E.; and Kemp, W. M., 1979, J. Parasitol., v. 65 (2), 318-320
Schistosoma mansoni, modification of new technique for immunohistochemical localization of cell surface components

Immunity, Enzyme labelling
Entamoeba histolytica, exper., infected Mus musculus, measurement of serologic responses using indirect hemagglutination and enzyme linked immunosorbent assay tests

Immunity, Enzyme labelling
Necator americanus, man (exper.), evaluation of antibody responses by enzyme-linked immunosorbent assay and by radio-allergy-sorbent technique

Immunity, Enzyme labelling
Petrovic, M.; and Neelder, A. M., 1979, Period. Biol., v. 81 (2), 515-516
Fasciola hepatica, immunodiagnosis, application of Defined Antigen Substrate Spheres system to immunofluorescence and immunohisto-peroxidase reactions, cross-reactivity with Schistosoma mansoni

Immunity, Enzyme labelling
Hydatidosis, human, evaluation of immunoelectrophoresis and indirect hemagglutination, sensitivity of IED increased and classes of immunoglobulin defined by combining enzymatic labelling with IED resulting in ELIEDA (enzyme-linked immunoelectrophoretic diffusion assay)
Immunity, Enzyme labelling


Schistosoma mansoni, human, use of enzyme-linked-immuno-electro-diffusion-assay (ELIEDA) to study humoral antibodies

Immunity, Enzyme labelling

Pollard, J. E., 1979, Arch. Ophth., Chicago, v. 97 (12), 2319-2320

Toxocara canis in 2 siblings of 2 separate families, decreased vision, diagnosis, enzyme-linked immunosorbent assay

Immunity, Enzyme labelling

Roffi, C.; et al., 1979, Med. Trop., v. 39 (6), 637-641

African trypansomiasis, immunoenzymatic diagnosis comparing purified exoantigen and 5 crude extracts from strains of Trypanosoma b. brucei and T. b. gambiense; best sensitivity obtained with virulent strains of human origin

Immunity, Enzyme labelling

Ruitenberg, E. J.; and Bog, J., 1979, Vet. Quart., v. 1 (1), 5-13

Food-borne parasitic infections, enzyme-linked immunosorbent assay in diagnosis, brief review

Immunity, Enzyme labelling

Ruitenberg, E. J.; et al., 1979, Tijdschr. Diergeneesk., v. 102 (17), 1021-1023

Trichinella spiralis, man and animals, diagnosis, enzyme-linked immunosorbent assay, indirect immunofluorescence, review

Immunity, Enzyme labelling

Ruitenberg, E. J.; and Buys, J., 1979, Vet. Parasitol., v. 26 (5), 311-314

Human parasitic infections, enzyme-linked immunosorbent assay in diagnosis, brief review

Immunity, Enzyme labelling

Ruitenberg, E. J.; et al., 1977, Biomedicine, v. 26 (5), 311-314

African trypansomiasis, immunoenzymatic diagnosis comparing purified exoantigen and 5 crude extracts from strains of Trypanosoma b. brucei and T. b. gambiense; best sensitivity obtained with virulent strains of human origin

Immunity, Enzyme labelling

Ruitenberg, E. J.; et al., 1977, Tijdschr. Diergeneesk., v. 102 (17), 1021-1023

Trichinella spiralis, man and animals, diagnosis, enzyme-linked immunosorbent assay, indirect immunofluorescence, review

Immunity, Enzyme labelling

Ruitenberg, E. J.; et al., 1977, Biomedicine, v. 26 (5), 311-314

Human parasitic infections, enzyme-linked immunosorbent assay in diagnosis, brief review

Immunity, Enzyme labelling

Savigny, Α.; and Weiss, N., 1979, Experientia, v. 35 (11), 1512-1514

Toxocara canis, human, use of enzyme-linked immunosorbent assay using larval secretory antigen

Immunity, Enzyme labelling


Ocular toxocariasis, 17 children, clinical, serologic, and epidemiologic characteristics

Immunity, Enzyme labelling

Spencer, F.; and Weiss, N., 1979, Experientia, v. 35 (11), 1512-1514

112 sera from Europeans with parasitologically proven helminthiasis tested in enzyme-linked immunosorbent assay against 7 non-purified helminth antigens, extensive cross-reactions

Immunity, Enzyme labelling

Spear, F.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 933-936

Schistosoma mansoni, human, micro enzyme-linked immunosorbent assay used with in vitro-cultured Plasmodium falciparum as antigen

Immunity, Enzyme labelling

Spear, F.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 933-936

Malaria, human sera, enzyme-linked immunosorbent assay using cultured Plasmodium falciparum as antigen compared with indirect fluorescent antibody test

Immunity, Enzyme labelling


Trypanosoma cruzi, human, diagnosis, comparison between indirect immunofluorescent and indirect immunoperoxidase tests

Immunity, Enzyme labelling


Schistosoma japonicum, human, detection of antibodies by micro-technique of enzyme-linked immunosorbent assay: Leyte, Philippines

Immunity, Enzyme labelling

Tandon, A.; Zahner, H.; and Laemmier, G., 1979, Tropenmed. u. Parasitol., v. 30 (2), 180-193

Chagas' disease, human serum, new method for estimation of complement fixing antibodies (complement-enzyme linked immunosorbent assay or CELISA) compared with haemolytic complement fixation, indirect haemaggutination, and ELISA

Immunity, Enzyme labelling


Schistosoma mansoni, humans, enzyme-linked immunosorbent assay confirmed as highly sensitive test in detecting antibodies against adult worms (S. haematobium-infected serum cross-reacted but with significantly lower values); useful for field studies and evaluation of treatment efficacy
Immunity, Enzyme labelling


Trichinella spiralis, pigs, evaluation of enzyme linked immunosorbent assay, influence of husbandry and age of host on extinction values

Immunity, Enzyme labelling

Tribouley-Duret, J.; et al., 1978, Ann. Parasitol., v. 53 (6), 641-648

Strongyloides stercoralis, human, diagnosis, E.I.T.S.A. with S. ratti as antigen, some cross-reactions in patients with other nematode infections, should be used in conjunction with other diagnostic methods, useful for assessing effectiveness of treatment

Immunity, Enzyme labelling


Hydatidosis, amebiasis, urinary schistosomiasis, human, diagnosis, immunoperoxidase and immunofluorescence techniques compared

Immunity, Enzyme labelling

Walther, M.; and Sanitz, W., 1979, Berl. u. Munchen. Tierarztl. Wchnschr., v. 92 (7), 131-135

Taenia saginata, calves (exper.), enzyme-linked immunosorbent assay using T. saginata and T. crassiceps antigens, comparison with indirect hemagglutination during course of infection and following praziquantel treatment

Immunity, Enzyme labelling


Babesia spp., mice, dogs, rabbits, enzyme-linked immunosorbent assay suitable for detection of antibodies in field surveys, cross-reactions occurred although distinct titer differences could be observed

Immunity, Enzyme labelling


Visceral larva migrans, mice, dogs, humans, enzyme-linked immunosorbent assay and indirect immunofluorescence using Toxocara canis and Ascaris suum as antigens proved to be unsuitable for diagnosis, cross-reactivity with other helminths

Immunity, Enzyme labelling

Yang, J.; and Kennedy, M. T., 1979, J. Clin. Microbiol., v. 10 (6), 778-785

Entamoeba histolytica, human, diagnosis, development and evaluation of enzyme-linked immunosorbent assay, compared with indirect fluorescent antibody and indirect hemagglutination techniques

Immunity, Eosinophils and eosinophilia. [See also Eosinophilia]

Immunity, Eosinophils and eosinophilia

Anwar, A. R. E.; Smithers, S. R.; and Bay, A. B., 1979, J. Immunol., v. 122 (2), 628-637

Schistosoma mansoni, killing of schistosomula coated with antibody and/or complement by human leukocytes in vitro, requirement for complement in preferential killing by eosinophils

Immunity, Eosinophils and eosinophilia

Bass, D. A.; and Szejda, P., 1979, J. Clin. Invest., v. 64 (5), 1415-1422

Trichinella spiralis, killing of newborn larvae by human granulocytes in vitro: Larvicidal abilities of eosinophils and neutrophils, opsonin requirements, kinetics of killing, effect of inhibitors, killing ability of leukocytes from patient with chronic granulomatous disease

Immunity, Eosinophils and eosinophilia

Bass, D. A.; and Szejda, P., 1979, J. Clin. Invest., v. 64 (6), 1558-1564

Trichinella spiralis, killing of newborn larvae during incubation with granule preparations of human eosinophils or neutrophils and generators of hydrogen peroxide or superoxide and hydrogen peroxide

Immunity, Eosinophils and eosinophilia

Beeeson, P. B., 1977, Ciba Found. Symp., n.s. (46), 203-225

Role of eosinophil, review including some information on Trichinella spiralis

Immunity, Eosinophils and eosinophilia

Butterworth, A. E.; et al., 1979, J. Exp. Med., v. 150 (6), 1466-1471

Schistosoma mansoni, mechanism of irreversible eosinophil adherence to schistosomula

Immunity, Eosinophils and eosinophilia

Butterworth, A. E.; et al., 1979, J. Immunol., v. 122 (1), 221-226

Schistosoma mansoni, eosinophil major basic protein (MBP) can bind to and damage schistosomula, antibody-dependent eosinophil-mediated damage to schistosomula is associated with release of MBP both onto surface of organism and into culture supernatant

Immunity, Eosinophils and eosinophilia


Schistosoma spp., mice, hamsters, tissue eosinophil proliferation and maturation

Immunity, Eosinophils and eosinophilia

Capron, M.; et al., 1978, European J. Immunol., v. 8 (2), 127-137

Schistosoma mansoni, rats, eosinophil-dependent cytotoxicity, involvement of IgG, antibody and role of mast cells, these and previous observations suggest possible participation of anaphylactic antibodies in immunity to schistosomes in the rat

Immunity, Eosinophils and eosinophilia

Capron, M.; et al., 1978, J. Immunol., v. 121 (6), 2518-2525

Schistosoma mansoni schistosomula, eosinophil-dependent cytotoxicity mechanism requires signal provided by soluble mast cell mediators in addition to antibody

Immunity, Eosinophils and eosinophilia


Efferent mechanisms in immunity to schistosomes, comparison of 2 antibody-dependent cell-mediated cytotoxicity models (IgE-eosinophil model vs. IgE-macrophage model), colloquium presentation
Immunity, Eosinophils and eosinophilia
Capron, M.; Torrier, G.; and Capron, A., 1979, J. Immunol., v. 122 (5), 2220-2230
Schistosoma mansoni, in vitro killing of schistosomula by eosinophils from infected rats, cytotoxic antibodies or immune complexes responsible for either activation or blockade of eosinophil populations

Immunity, Eosinophils and eosinophilia
Claas, F. H. J.; and Deelder, A. M., 1979, J. Immunogenet., v. 6 (3), 167-175
Schistosoma mansoni, mice of 2 congenic inbred strains, immune response (worm burden, mortality, antibody titre, spleen index, eosinophilia, delayed type hypersensitivity, in vitro response to S. mansoni antigen preparations), results indicate H-2 region influences course of acute infection but not susceptibility to infection

Immunity, Eosinophils and eosinophilia
Cohen, J.; and Spry, C. J. F., 1979, Parasite Immunol., v. 1 (2), 167-178
Strongyloides stercoralis, West Indian man, associated small intestinal lymphoma causing obstruction, deficiency of T lymphocytes and eosinophils, lymphoma may have led to reduction in cellular immunity with subsequent development of Strongyloides hyperinfection

Immunity, Eosinophils and eosinophilia
Nippostrongylus brasiliensis, eosinophil chemotactic factor release from neutrophils after incubation with parasite larvae

Immunity, Eosinophils and eosinophilia
Date, A.; et al., 1979, Postgrad. Med. J., London (650), v. 55, 905-907
acute immune complex eosinophilic glomerulonephritis in 44-year-old man with Bancroftian filariasis, possible aetiological relationship

Immunity, Eosinophils and eosinophilia
Densen, P.; et al., 1978, Infect. and Immun., v. 22 (1), 282-285
Schistosoma mansoni, demonstration of eosinophil degranulation on surface of opsonized schistosomules by phase-contrast cinemicrography

Immunity, Eosinophils and eosinophilia
Doy, T. G.; Hughes, D. L.; and Harness, E., 1978, Research Vet. Sc., v. 25 (1), 41-44
Fasciola hepatica, rats, 3-week-old initial infection results in high degree of immunity to subsequent challenge, this resistance could be detected within 48 h of challenge and was a true immunity and not an alteration in migratory behavior, eosinophils were prevalent in lamina propria of small intestine and increased markedly after challenge

Immunity, Eosinophils and eosinophilia
Furmaga, S.; Gundlach, J. L.; and Sobieszewski, K., 1975, Acta Parasitol. Polon., v. 23 (1-11), 159-175
Fasciola hepatica-infected rabbits and sheep, white blood cell picture during course of infection

Immunity, Eosinophils and eosinophilia
Glaueurt, A. M.; et al., 1978, J. Cell Sci., v. 34, 173-192
Schistosoma mansoni, mechanism of antibody-dependent eosinophil-mediated damage to schistosomula in vitro, phase-contrast and electron microscopic study

Immunity, Eosinophils and eosinophilia
Gleich, G. J.; Olson, G. M.; and Herlich, H., 1979, Immunology, v. 37 (4), 873-880
Trichostrongylus colubriformis, guinea pigs, effect of anti-eosinophil serum on susceptibility and acquired immunity, results point to anti-parasitic role for eosinophil in intestinal mucosa

Immunity, Eosinophils and eosinophilia
Nippostrongylus brasiliensis, rats infected with various larval doses, intestinal phospholipase activity, bone marrow eosinophilia, and worm burden

Immunity, Eosinophils and eosinophilia
Nippostrongylus brasiliensis, sensitized rats challenged with varied larval doses, intestinal phospholipase activity, bone marrow eosinophilia, and worm burden

Immunity, Eosinophils and eosinophilia
Trichinella spiralis-infected swine, relation between intestinal phospholipase A activity and numbers of blood eosinophils

Immunity, Eosinophils and eosinophilia
eosinophils and the immune response, review: blood eosinophilia; tissue eosinophilia; eosinophils and immune complexes; effector role of eosinophil in immune response; role of eosinophils in immunopathological lesions

Immunity, Eosinophils and eosinophilia
Schistosoma japonicum, IgE, mast cells, and eosinophils in skin of Macaca mulatta immunized with X-irradiated cercariae

Immunity, Eosinophils and eosinophilia
Schistosoma mansoni, eosinophil-mediated destruction of eggs in vitro, role of cytotoxic antibody

Immunity, Eosinophils and eosinophilia
Schistosoma mansoni, eosinophil-mediated destruction of eggs, lymphokine involvement in induction of eosinophil functional abilities
Immunity, Eosinophils and eosinophilia
Schistosoma mansoni, eosinophil-mediated destruction of eggs, effects of several inhibitory substances on eosinophil function

Immunity, Eosinophils and eosinophilia
Necocestoides corti, peritoneal cell population of infected mice as source of eosinophils, T cell dependence of peritoneal eosinophils

Immunity, Eosinophils and eosinophilia
Kassiss, A. I.; Aikawa, M.; and Mahmoud, A. A. F., 1979, J. Immunol., v. 122 (2), 398-405
Schistosoma mansoni, mice, antibody-dependent eosinophil and macrophage adherence and damage to schistosomula

Immunity, Eosinophils and eosinophilia
eosinophil leucocytes, formation, function, and fate in relation to helminth disease, colloquium presentation

Immunity, Eosinophils and eosinophilia
Schistosoma mansoni, relationship among mast cell mediators, complement, and preferential killing of schistosomula by the human eosinophil, review; speculations as to why, in phylogeny, humans might have developed and retained acute allergic response

Immunity, Eosinophils and eosinophilia
Trichinella spiralis, antibody-dependent eosinophil-mediated destruction mechanism specific for newborn larval stage, destruction of adult worms or muscle larvae not observed

Immunity, Eosinophils and eosinophilia
Kierszenbaum, F., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 665-668
Trypanosoma cruzi, antibody-dependent killing of bloodstream forms by human peripheral blood leucocytes

Immunity, Eosinophils and eosinophilia
Knopf, P. M., 1979, Exper. Parasitol., v. 47 (2), 232-245
Schistosoma mansoni-infected rats, peripheral and tissue eosinophilia

Immunity, Eosinophils and eosinophilia
Koenig, W., 1978, Immun. u. Infekt., v. 6 (3), 97-105
eosinophil leucocytes, structure and function, review

Immunity, Eosinophils and eosinophilia
Laubach, H.; Kocan, A. A.; and Sartain, K. E., [1979], J. Parasitol., v. 64 (6), 1978, 1145-1146
Angiostrongyliasis cantonensis in specific pathogen-free rats, elevated lung lysophospholipase activity and bone marrow eosinophilia due to infection are not additive with increasing worm burdens, findings suggest immune-controlled mechanism of lysophospholipase activity increase during helminth infection

Immunity, Eosinophils and eosinophilia
Lawley, T. J.; et al., 1979, Clin. and Exper. Immunol., v. 37 (2), 221-227
Schistosoma mansoni, human, circulating immune complexes: high incidence in acute disease vs. low incidence in chronic disease, parallels differences in clinical activity; levels inversely correlated with absolute eosinophil counts

Immunity, Eosinophils and eosinophilia
Trypanosoma cruzi, lysis of epimastigotes by eosinophils (entirely antibody-dependent) and neutrophils (significant antibody-independent component)

Immunity, Eosinophils and eosinophilia
Schistosomacia mansoni, antibody (IgG)-mediated adherence of rat eosinophils to schistosomula in vitro with consequent damage to parasite

Immunity, Eosinophils and eosinophilia
Trichinella spiralis, Nippostrongylus brasiliensis, surface of infective larvae and adults may activate complement but not that of newborn larvae, stage-specific antibodies to nematode cuticle are capable of mediating attack by inflammatory cells against nematode surface

Immunity, Eosinophils and eosinophilia
Schistosoma mansoni, Trichinella spiralis, Nippostrongylus brasiliensis, in vitro interaction between rat eosinophils and parasitic helminths, ultrastructural observations, lack of morphological damage to parasite surface

Immunity, Eosinophils and eosinophilia
McLaren, D. J.; and Ramalho-Pinto, F. J., 1979, J. Immunol., v. 123 (4), 1431-1438
Schistosoma mansoni, eosinophil-mediated killing of schistosomula in vitro, synergistic effect of antibody and complement

Immunity, Eosinophils and eosinophilia
McLaren, D. J.; Ramalho-Pinto, F. J.; and Smithers, S. R., 1978, Parasitology, v. 77 (3), 313-324
Schistosoma mansoni, ultrastructural evidence for complement and antibody-dependent damage to schistosomula by rat eosinophils in vitro
Immunity, Eosinophils and eosinophilia
immunological and 'paraimmunological' responses to infection with metazoan and protozoan parasites in mouse models, extensive review

Immunity, Eosinophils and eosinophilia
Strongyloides ratti, rats, primary and secondary infections, expulsion kinetics and intestinal mast cell counts, antithymocyte serum suppressed expulsion as well as intestinal mast cell and circulating eosinophil responses to primary infection

Immunity, Eosinophils and eosinophilia
Trichinella spiralis, immune interaction between rat peritoneal cells (mostly macrophages and eosinophils) and parasite larvae, ultrastructural study

Immunity, Eosinophils and eosinophilia
schistosomiasis with emphasis on Schistosoma mansoni, immunologic aspects of host responses, extensive review: cellular and humoral immune response; immunopathology; eosinophils

Immunity, Eosinophils and eosinophilia
Nematospiroides dubius, mice, one or more immunizing infections, development of immunity, absolute and differential cell levels in blood and peritoneum, serum concentrations of various immunoglobulin classes, results suggest that macrophages and eosinophils may play separate roles in immunity to this parasite

Immunity, Eosinophils and eosinophilia
Ramalho-Pinto, F. J.; De Rossi, R.; and Smithers, S. R., 1979, Parasite Immunol., v. 1 (4), 295-308
Schistosoma mansoni, mice, anti-schistosomula antibodies and IgG subclasses involved in complement- and eosinophil-mediated killing of schistosomula in vitro

Immunity, Eosinophils and eosinophilia
Ramalho-Pinto, F. J.; McLaren, D. J.; and Smithers, S. R., 1978, J. Exper. Med., v. 147 (1), 147-156
Schistosoma mansoni, complement-mediated killing of schistosomula by rat eosinophils in vitro

Immunity, Eosinophils and eosinophilia
Sanderson, C. J.; and de Souza, M., 1979, J. Cell Sc., v. 37, 275-286
Trypanosoma cruzi, interaction with rat eosinophils, neutrophils, and macrophages in vitro, light and electron microscopy

Immunity, Eosinophils and eosinophilia
Schistosoma mansoni, mice, effector mechanisms in host response, review

Immunity, Eosinophils and eosinophilia
Siebert, A. E., jr.; Good, A. H.; and Simmons, J. E., 1979, Internat. J. Parasitol., v. 9 (4), 323-331
Taenia crassiceps, mice, ultrastructural aspects of host cellular immune response to metacestodes

Immunity, Eosinophils and eosinophilia
Tanaka, J.; Baba, T.; and Torisu, M., 1979, J. Immunol., v. 122 (1), 502-508
Ascaris suum, eosinophil chemotactic factor of parasite (ECF-P), isolation, characterization, not identical to Ascaris antigens, neutrophil chemotactic factor also present in Ascaris extract is separable from ECF-P

Immunity, Eosinophils and eosinophilia
Tanaka, J.; and Torisu, M., 1979, J. Immunol., v. 120 (3), 745-749
Anisakis, detection of soluble factor selectively chemotactic for eosinophils in extract from larvae found to be active in both in vivo and vitro chemotaxis assay systems, comparison with extract from Ascaris suum, results indicate that this factor may play important role in development of eosinophilia in anisakiasis

Immunity, Eosinophils and eosinophilia
Trichinella spiralis, infected mice, mice immunized with metabolic antigens, mice immunized and then infected, kinetics of intestinal cell response (mast cells, leukocytes, polymorphonuclear eosinophils)

Immunity, Eosinophils and eosinophilia
Tsuda, S.; Fukuyama, K.; and Epstein, W. L., 1979, J. Immunol., v. 122 (6), 2554-2557
Schistosoma mansoni-infected mice, low molecular weight eosinophil chemotactic factor in granulomatous liver

Immunity, Eosinophils and eosinophilia
Vadas, M. A.; et al., 1979, J. Immunol., v. 122 (4), 1228-1236
Schistosoma mansoni, new method for purification of human eosinophils and neutrophils, comparison of ability of these cells to damage schistosomula

Immunity, Eosinophils and eosinophilia
Wallner, P. F.; and Goetzl, E. J., 1979, Advances Immunol., v. 27, 539-571
eosinophils, regulatory and effector roles, review including role of eosinophil in host response to helminthic infections
Immunity, Eosinophils and eosinophilia
Walls, R. S., 1976, South African Med. J., v. 50 (34), 1313-1318
soluble antigen derived from body fluid of Ascaris lumbricoides injected into mice to examine specificity of eosinophilic response, specificity demonstrated in primed lymphoid cells, evidence suggests that these lymphocytes are T cells

Immunity, Eosinophils and eosinophilia
Trichinella spiralis, purified eosinophil major basic protein damaged newborn larvae when added in vitro cultures

Immunity, Fluorescent antibody. See Immuno-fluorescence.

Immunity, Gel diffusion. See Immunity, Precipitation.

Immunity, Hemagglutination. See Immunity, Agglutination.

Immunity, Hybridomas. See Immunity, Monoclonal antibodies.

Immunity, Hypersensitivity, Delayed. See Immunity, Cell-mediated.

Immunity, Hypersensitivity, Immediate. See Immunity, Allergy.

Immunity, Immobilization
Tewari, H. C.; and Singh, (Kr.) S., 1979, Indian J. Animal Sci., v. 49 (8), 643-645
Schistosoma incognitum miracidia, effects of normal and immune sera and of complement

Immunity, Immune complexes
schistosomiasis, filariasis, human, C3d and immune complex levels

Immunity, Immune complexes
immunopathology due to complexes of antigen and antibody (Type III reactions) in parasitic infections

Immunity, Immune complexes
Andrade, Ζ. Α.; and Rocha, H., 1979, Kidney Internat., v. 16 (1), 73-79
Schistosoma mansoni, glomerulopathy, clinical manifestations, pathology, immunopathology, therapy, humans

Immunity, Immune complexes
Attaullah, A. M.; et al., 1979, J. Immunol., v. 122 (4), 1413-1420
Schistosoma mansoni, mice, changes in composition and functional capacity of T and B cell subpopulations during acute infection, both suppressor cells and immune complexes contribute to these changes

Immunity, Immune complexes
Baier, A. F.; et al., 1979, Infect. and Immun., v. 24 (3), 617-627
Trypanosoma brucei brucei, T. congolense, inactivation or elimination of potentially trypanolytic complement-activating immune complexes containing antibodies to variant-specific antigens

Immunity, Immune complexes
schistosomiasis, humans with nephrotic syndrome, renal biopsy showed amyloid deposits, speculation that deposits are associated with circulating immune complexes

Immunity, Immune complexes
trypanosomiasis, humans, problems in diagnosis and management emphasizing haematological and immunological aspects, clinical course in 5 cases, indications of continuation of immune complex process in spite of therapy that eradicates parasite: Voortrekkerhoogte, Tvl.

Immunity, Immune complexes
Boonpucknavig, S.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (4), 79-83
Plasmodium berghei, mice, treatment with carbon particles in attempt to block macrophages, alterations in immune response, immunopathology, and histology patterns

Immunity, Immune complexes
Boonpucknavig, V.; Boonpucknavig, S.; and Bhamarapravati, N., 1979, Arch. Path. and Lab. Med., v. 103 (11), 567-572
Plasmodium berghei-bergei-infected mice treated with chloroquine phosphate, focal glomerulonephritis in hyperimmune state, clinical, immunopathologic, and histopathologic findings

Immunity, Immune complexes
Trypanosoma brucei, rabbits, role of urinary and plasma kallikreins in pathogenesis, immune complexes

Immunity, Immune complexes
Schistosoma mansoni, characterization of immunoglobulins and antigens involved in immune complexes

Immunity, Immune complexes
Casali, P.; and Lambert, P. H., 1979, Clin. and Exper. Immunol., v. 37 (2), 295-309
purification of soluble immune complexes from serum using polyethyleneimineacrylate beads coated with conglutinin or Clq, application to analysis of components of immune complexes responsible for either activation or blockade of eosinophil populations

Immunity, Immune complexes
Casali, P.; and Lambert, P. H., 1979, Clin. and Exper. Immunol., v. 37 (2), 295-309
purification of soluble immune complexes from serum using polyethyleneimineacrylate beads coated with conglutinin or Clq, application to analysis of components of immune complexes including those occurring in vivo during disseminated leishmaniasis

Immunity, Immune complexes
Chugh, R. S.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (3), 650-651
filarialiasis, man, associated mesangio-proliferative glomerulonephritis possibly an immune-complex reaction, case report
Immunity, Immune complexes

Dipetalonema viteae-infected hamsters, assessment of neutrophil activating factors (putative immune complexes) in serum

Immunity, Immune complexes

Schistosoma mansoni, infection induces T-cell-independent autoreactive (anuclear antibody) in athymic mice and T-cell-dependent antischistosome antibodies in thymus-intact mice, both types of antibodies deposit in kidneys as immunocomplexes

Immunity, Immune complexes

Schistosoma mansoni, microfluorometric determination (using DASS system) of circulating anodic antigen and antigen-antibody complexes in infected hamster serum

Immunity, Immune complexes

Schistosoma haematobium, infected humans had significantly higher rosette inhibition test values than did normal persons, inhibition probably due to immune complexes

Immunity, Immune complexes

Schistosoma mansoni, mice, IgG and IgM but not IgA anti-schistosome antibodies, circulating immune complexes containing schistosomal antigen, glomerular mesangial deposits of IgA, IgM, and C3

Immunity, Immune complexes

Trypanosoma brucei, rabbits, renal pathology, glomerular changes result from deposition of soluble trypanosome immune complexes, tubular changes are typical of tissue ischemia, trypanosomiasis in rabbit could be valuable model

Immunity, Immune complexes

Trypanosoma gambiense, humans, T. brucei, rats, immune complexes, characterization by radioimmunoprecipitation

Immunity, Immune complexes

Plasmodium falciparum, 10 Gambians with pregnancy complicated by maternal malaria, marked increase in complement components in placenta

Immunity, Immune complexes

Trichinella spiralis, circulating immune complexes present in sera of 6 patients, role in pathogenesis of clinical symptoms uncertain

Immunity, Immune complexes

Onchocerca volvulus, clinicopathologic study of 34 patients with lymphadenitis, possible role of immune complexes: Africa; Yemen

Immunity, Immune complexes

Plasmodium falciparum, children, no evidence that any of several immunological factors investigated plays important role in pathogenesis of anemia

Immunity, Immune complexes
Hendrickse, R. G.; and Adeniyi, A., 1979, Kidney Internat., v. 16 (1), 64-74.

Plasmodium malariae, children, causing immune complex nephritis, presenting clinical and biochemical findings, renal pathology

Immunity, Immune complexes

Immunopathology mechanisms in certain tropical parasitic diseases, review

Immunity, Immune complexes
Houba, V., 1979, kidney Internat., v. 16 (1), 3-8.

malaria, man and exper. animals, studies show that immune complexes play important role in pathogenesis of nephropathies associated with parasite infections, general review

Immunity, Immune complexes
Houba, V., 1979, Kidney Internat., v. 16 (1), 30-43.

schistosomiasis, experimental renal disease, extensive review

Immunity, Immune complexes

eosinophils and the immune response, review:

blood eosinophilia; tissue eosinophilia; eosinophils and immune complexes; effector role of eosinophil in immune response; role of eosinophils in immunopathological lesions

Immunity, Immune complexes

schistosomiasis, role of immune complexes in pathogenesis of lesions, review

Immunity, Immune complexes

Fasciola hepatica, precipitate which forms when metacercariae are cultured in immune rat serum is a complex of parasite metabolic antigen and rat Ig (possibly IgG), vaccination of rats with precipitate in FCA confers significant degree of protection
Immunity, Immune complexes
Schistosoma mansoni, cytotoxicity of human and baboon mononuclear phagocytes against schistosomula in vitro, induction by immune complexes containing IgE and parasite antigens

Immunity, Immune complexes
June, C. H.; et al., 1979, J. Immunol., v. 122 (6), 2154-2161
Plasmodium berghei, mice, circulating and tissue-bound immune complex formation

Immunity, Immune complexes
Improved detection of immune complexes in human and mouse serum using microassay adaptation of Clq binding test, patient serum included some with malaria

Immunity, Immune complexes
Platelets and 125I-labelled staphylococcal protein A in detection of immune complexes in serum, serum samples from patients with various diseases including onchocerciasis and schistosomiasis

Immunity, Immune complexes
Lawley, T. J.; et al., 1979, Clin. and Exper. Immunol., v. 37 (2), 221-227
Schistosoma mansoni, human, circulating immune complexes: high incidence in acute disease vs. low incidence in chronic disease, parallels differences in clinical activity; levels inversely correlated with absolute eosinophil counts

Immunity, Immune complexes
Trypanosoma rhodesiense-infected rats, proliferative glomerulonephritis, hypocomplementemia, nucleic acid antibodies, feasibility of rat as model host

Immunity, Immune complexes
Vascular lesions in testes of 40 of 41 infertile males with oligospermia postulated to be result of repeated formation and deposition of circulating immune complexes, antigens could be of various origins including living or dying parasites, evidence of parasitic testicular involvement (possibly filaria) in 2 cases: Cameroon

Immunity, Immune complexes
Circulating immune complexes in 38 of 50 apparently healthy Nigerians, 6 of these 38 had significant anti-complementary activity and high IgM levels, 5 of these 6 showed malarial parasitemia, 4 of these 6 after malarial prophylaxis lost their anti-complementary activity with parallel fall in IgM

Immunity, Immune complexes
Parbtani, A.; and Cameron, J. S., 1979, Kidney Internat., v. 16 (1), 53-55
Plasmodium berghei, exper. infections in mice, nephritis dependent upon deposition of immune complexes in the kidney accompanies acute infections

Immunity, Immune complexes
Plasmodium berghei, mice, formation of two types of immune complex (one with and one lacking plasmodial antigens) and their deposition in renal glomeruli, immune complexes lacking parasite antigen may be involved in secondary autoimmune (anti-smooth muscle) process, possible induction mechanism of autoantibodies, symposium presentation

Immunity, Immune complexes
Pugin, P.; et al., 1978, Schweiz. Med. Wchnschr., v. 108 (41), 1602
Leishmania donovani, 33 year old woman, isolation and characterization of circulating immune complexes present in high concentration, probable participation in pathogenesis

Immunity, Immune complexes
Echinococcal or alveococcal antigen-antibody complexes used to immunize rabbits, resulting sera with narrow specificity, useful for immunochromatographic analysis of echinococcal or alveococcal antigens

Immunity, Immune complexes
Rest, J. R.; and Wright, D. H., 1979, J. Path., v. 127 (3), 115-120
Plasmodium berghei-infected Mesocricetus auratus, cerebral lesions, transmission and scanning electron microscopy, hypothesized that pathogenesis relates to immune complex formation

Immunity, Immune complexes
Hydatidosis, human, serodiagnosis (radio-immunooassay, indirect haemagglutination, immuno-electrodiffusion), subclasses of specific anti-hydatic immunoglobulin, detection of circulating immune complexes

Immunity, Immune complexes
Rickman, W. J.; and Cox, H. W., 1979, J. Parasitol., v. 65 (1), 65-75
Trypanosoma brucei rhodesiense-infected rats, syndrome characterized by anemia, splenomegaly, and glomerulonephritis, accompanied by presence of 3 autoantibodies and by presence of fixed complement and fibrinogen on trypanosomes and erythrocytes

Immunity, Immune complexes
Schistosoma mansoni-infected mice, ultrastructure of kidney lesions, characterized as immune complex disease
Immunity, Immune complexes
Schistosoma mansoni, humans, mice, sera tested for immune complexes using precipitation by polyethylene glycol and complement fixation test

Immunity, Immune complexes
Schistosoma mansoni, characterization of complement fractions, inversely proportional correlation between C and immune-complex levels in serum of infected patients

Immunity, Immune complexes
Schistosoma mansoni, sera from infected patients, characterization and quantitation of immunoglobulins present in immune complexes

Immunity, Immune complexes
Schistosoma mansoni-infected rats, detection of circulating schistosome antigens (CSA) and circulating immune complexes (CIC), possible role played by CIC in protective mechanisms to challenge infection

Immunity, Immune complexes
Schistosoma mansoni, humans, circulating antigens, antibodies, and immune complexes in milk from infected mothers

Immunity, Immune complexes
Schistosoma mansoni-infected mice, circulating antigens and immune complexes

Immunity, Immune complexes
Shear, H. L.; Hussenzweig, R. S.; and Bianco, C., 1979, J. Exp. Med., v. 148 (6), 1288-1298
Plasmodium berghei-infected mice, phagocytosis of erythrocytes by spleen macrophages appears to be mediated by IgG on surface; other indications of spleen macrophage activation; phagocytosis is inhibited later in infection by serum factors possibly immune complexes; high levels of anti-Forsmann antibodies

Immunity, Immune complexes
Trypanosoma cruzi-infected rats, early immune reactions suggest relationship between circulation of antigens, formation of antigen-antibody complexes, and the fixation of complement by these complexes

Immunity, Immune complexes
Stockinger, H.; and Koenig, W., 1979, Behring Inst. Mitt. (64), 127-130
Nippostrongylus brasiliensis, rats, effects of cell-bound and circulating immune complexes on lymphocyte proliferation, suggested that immune complexes mediate diminution in mitogenic responsiveness

Immunity, Immune complexes
Verrouest, P. J.; et al., 1979, Kidney Intern., v. 16 (1), 9-14
Schistosomiasis, filariasis, hydatidosis, human, circulating immune complexes, C3d levels, complement activation by parasite antigens

Immunity, Immune complexes
Weisinger, J. R.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (2, pt. 1), 357-359
Leishmania donovani, human, case report, kidney involvement demonstrated clinically and histologically, deposits of immune complexes: University Hospital of Caracas, Venezuela

Immunity, Immune complexes
Plasmodium berghei-infected mice, immune complexes in lungs, symposium presentation

Immunity, Immune complexes
Trypanosoma brucei-infected rabbits, postulation on mechanism of anemia (that red blood cells are coated on surface by trypanosome antigen-antibody complexes and that these cells under certain conditions are lysed by complement or agglutinated and removed by spleen)

Immunity, Immune complexes
Wright, I. G., 1979, Gen. Pharmacol., v. 10 (4), 319-325
Babesia, Plasmodium, Trypanosoma, kallikrein-kinin system, mechanisms of activation (parasite enzymes, immune complexes), role in hypotensive shock syndrome of infected animals, review

Immunity, Immune complexes
Wright, I. G.; and Boreham, P. F., 1977, Biochem. Pharmacol., v. 26 (5), 417-423
Trypanosoma brucei, rabbits, chronic infections, urine volume, urinary kallikrein, effects of inhibitors on properties, excretion of elevated levels of urinary kallikrein considered to be due to glomerular damage and possibly to activation of plasma kallikrein by parasite and by parasite/antibody complexes

Immunity, Immune complexes
methods for detection of immune complexes in human diseases, extensive review

Immunity, Innate. See Immunity, Native.
Immunity, Intradermal tests. See Immunity, Skin tests.

Immunity, Leucocyte migration inhibition test. See Immunity, Macrophage migration test.

Immunity, Lymphocyte transformation Dixon, J. B.; et al., 1978, J. Parasitol., v. 64 (5), 949-950
Echinococcus granulosus, blastic stimulation of unprimed mouse lymphocytes by living protoscoleces, possible connection with transplant immunity

Immunity, Lymphocyte transformation Gold, D.; et al., 1978, J. Parasitol., v. 64 (5), 866-873
Entamoeba histolytica, serologic and cell-mediated immune responses of Mesocricetus auratus exposed to 2 parasite strains, indirect hemagglutination test, lymphocyte transformation, migration inhibition of macrophages, some evidence of immunosuppression

Dirofilaria immitis, dogs (exper.), cell-mediated (lymphocyte transformation assay) and humoral (indirect hemagglutination assay) immune responses, diminished mitogen responsiveness

Schistosoma japonicum, humans, assay of lymphocyte blast transformation by whole blood culture technique under field laboratory conditions, measurement of response to phytohemagglutinin and to worm and egg antigens in relation to host age, sex, and level of egg excretion

Trichinella spiralis, mice, macrophage-dependent activation of T lymphocytes reflected as spontaneous DNA synthesis in vitro

Immunity, Lymphocyte transformation Maddison, S. E.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 955-961
Toxoplasma gondii, 31 patients 3 months after outbreak, lymphocyte proliferative responsiveness (normal to nonspecific mitogens and increased to T. gondii antigen)

Toxoplasma gondii, human, lymphocyte blastogenesis

Schistosoma mansoni, patients with acute, subacute, and chronic disease before and after niridazole treatment, lymphocyte responsiveness to schistosome antigens, possible implications of diminished cellular immune reactivity in chronic disease state

Schistosoma mansoni-infected mice, activation of spleen lymphocytes when cells cultured in presence of soluble fractions of adult worms, effects observed in mice with infections of 40 days or longer but not in mice treated with antimoniais

Schistosoma mansoni, patients with advanced chronic hepatosplenic disease, concurrent responses of peripheral blood and splenic mononuclear cells to antigenic and mitogenic stimulation

Immunity, Lymphocyte transformation Riffkin, G. G.; and Dobson, C., 1979, Vet. Parasitol., v. 6 (4), 365-378
Haemonchus contortus, in vitro response of sheep lymphocytes to parasite antigens varied between animals but was heritable and positively correlated with resistance to infection, sheep which were most susceptible had lowest lymphocyte responses but highest rate weight gain during infection

Theileria parva, lymphocyte transformation

Leishmania tropica, in vitro suppression of lymphocyte blastogenic response to mitogen and antigen

Plasmodium-infected humans, sera are mitogenic for mouse splenic lymphocytes and interfere with indirect hemagglutination test for lipid-A antibodies

Immunity, Lymphocyte transformation Strickland, G. T.; DeSilva, S.; and Sayles, P. C., 1979, Tropenmed. u. Parasitol., v. 30 (1), 35-42
Plasmodium yoelii infection in mice and P. falciparum and P. vivax infection in humans, changes in lymphocyte populations during acute infections thought to be related to development of malarial immunity and immunodepression

Plasmodium falciparum, suppression of lymphocyte transformation by plasma from acutely infected Aotus trivirgatus griseimembra
Immunity, Lymphocyte transformation
Dipetalonema viteae in 2 strains of hamster, lymphocyte blastogenesis (during different stages of primary infection, after injection of dead larvae, after implantation of adult worms, in mixed infection with Schistosoma mansoni), attempt to relate results with parasitological findings and with humoral immune response, analysis of cellular unresponsiveness to filarial antigens in chronically infected LAKZ hamsters

Immunity, Lymphocyte transformation
Plasmodium berghei, lymphoblast transformation in rats convalescent for one week to one year from infections of varying intensities, symposium presentation

Immunity, Lymphocyte transformation
Dirofilaria immitis, Toxocara canis, dogs, epidemiological survey, host age, sex, and breed, immunodiagnosis (3 immunofluorescence tests, in vitro lymphocyte blastogenesis); prevalence of serum antibody in man proportional to incidence of canine infections; Queensland; Central Australia

Immunity, Lymphocyte transformation
Brugia pahangi, rats, sequential changes in cell-mediated immunity studied by following in vitro lymphocyte blastogenesis to filarial stage-specific antigens and to B- and T-cell antigens during acute and chronic infections, possible model for immunological studies of filarial infections

Immunity, Lymphocyte transformation
Wikel, K. R.; Graham, J. E.; and Allen, J. R., 1978, Immunology, v. 34 (2), 257-263
Dermacentor andersoni, guinea pigs, development of resistance after one infestation, presence of cell-mediated immune component indicated by delayed skin reactivity and in vitro lymphocyte responsiveness to salivary gland antigen, evidence suggests that tick infestation might induce degree of immunosuppression in host

Immunity, Lymphocyte transformation
Wyler, D. J.; Weinbaum, F. I.; and Herrod, H. R., 1979, J. Infect. Dis., v. 140 (2), 215-221
Leishmaniasis patients and control subjects, in vitro proliferative responses of lymphocytes to leishmanial antigens

Immunity, Lysis
Trypanosoma cruzi, in vitro lysis of bloodstream forms mediated by antibodies and complement, specific differences in susceptibility to lysis

Immunity, Lysis
Trypanosoma cruzi, lysis of epimastigotes by eosinophils (entirely antibody-dependent) and neutrophils (significant antibody-independent component)

Immunity, Lysis
Trypanosoma brucei, cytotoxic reaction induced by normal human serum, some properties of the trypansomodal factor, complement activation not required

Immunity, Lysis
Trypanosoma cruzi, patients with chronic myocarditis, results demonstrated that infection brings about a cellular hypersensitivity reaction of delayed type

Immunity, Macrophage migration inhibition test
Taenia saginata, leucocyte migration inhibition test using parasite vs. heart antigens

Immunity, Macrophage migration test
Trypanosoma cruzi, leucocyte migration inhibition using soluble and particulate antigens and leucocytes from patients with chronic Chagas' disease, results showed that stimulatory capacity of particulate antigens is greater than that of soluble antigens

Immunity, Macrophage migration test
Angiostrongylus cantonensis, rats (exper.) humoral and cell-mediated immune responses to somatic and metabolic antigens analyzed using hemagglutination, macrophage migration inhibition, and cutaneous hypersensitivity tests
Immunity, Macrophage migration test
Entamoeba histolytica, isolation of antigen fraction responsible for delayed hypersensitivity in amoebiasis, macrophage migration inhibition

Immunity, Macrophage migration test
Gold, D.; et al., 1978, J. Parasitol., v. 64 (3), 866-873
Entamoeba histolytica, serologic and cell-mediated immune responses of Mesocricetus auratus exposed to 2 parasite strains, indirect hemaggultination test, lymphocyte transformation, migration inhibition of macrophages, some evidence of immunosuppression

Immunity, Macrophage migration test
Monoclonal antibodies against Schistosoma mansoni, production, biological activities

Immunity, Macrophage migration test
Mesococstoides corti, mice, development of sensitive and specific prototype immunodagnostc reagent based on use of an anti-parasite hybridoma antibody

Immunity, Native
Bradley, D. J.; et al., 1977, Clin. and Exper. Immunol., v. 30 (1), 130-140
Leishmania donovani, acute growth rates in 25 inbred mouse strains fall into susceptible and resistant groups, breeding experiments show that single gene or linkage group controls acute susceptibility to this parasite in the mouse

Immunity, Native
Bradley, D. J.; et al., 1979, Clin. and Exper. Immunol., v. 37 (1), 7-14
Leishmania donovani, mapping of locus controlling susceptibility in the mouse

Immunity, Native
Leishmania donovani, course of infection and pathology in 7 strains of mice with varying degrees of susceptibility, results demonstrate strong control by genetic constitutions of host and provide model for study of innate and acquired immunity to chronic intracellular parasites

Immunity, Native
Ellner, J. J.; and Mahmoud, A. A. F., 1979, J. Immunol., v. 123 (2), 949-951
Schistosoma mansoni, killing of schistosomula by normal human monocytes independent of specific antibody, complement, and macrophage activation

Immunity, Native
Haggerty, R. M.; and John, D. T., 1978, Infect. and Immun., v. 20 (1), 73-77
Naegleria fowleri in mice, infecting dose and age, sex, and strain of host are important variables that markedly affect innate resistance to infection

Immunity, Native
Trypanosomiasis, cattle, possible mechanisms of tolerance, use of resistant breeds as control measure, economic importance: West Africa

Immunity, Native
Trypanosoma brucei, cytotoxic reaction induced by normal human serum, some properties of the trypanocidal factor, complement activation not required

Immunity, Native
Babesia bovis, susceptible cattle of different ages, innate immunity, aged cattle highly susceptible compared to other groups aged up to 2 years, animals of all ages had solid resistance to subsequent heterologous challenge

Immunity, Native
Trypanosoma brucei rhodesiensis, serum-incubation infectivity-tests on clone populations of distinct antigenic types

SUBJECT HEADINGS

Immunity, Macrophage migration test

Immunity, Native

Immunity, Macrophage migration test

Immunity, Native

Immunity, Native

Immunity, Native

Immunity, Native

Immunity, Native

Immunity, Native
Immunity, Passive
Babesia rodhaini, intact and splenectomized mice, immune serum (IS) delayed onset of parasitemia but neither prevented development of infection nor protected mice from death even with further supplementation of IS, effect of IS greater when parasitized cells incubated in IS were administered with additional IS

Immunity, Passive
Taenia crassiceps, neonatal rats, adoptive transfer of immunity and immunocompetence with lymph node cells

Immunity, Passive
Andreassen, J.; Håndsbo, O.; and Ruitenberg, E. J., 1978, Immunology, v. 34 (1), 105-113
Hymenolepis diminuta, congenitally athymic (nude) mice vs. their thymus-bearing littermates, worm kinetics and intestinal histopathology, passive immunization showed no conclusive role of serum antibodies in host protection, host protection very dependent on number of worms and worms could be expelled in absence of functional T-cells

Immunity, Passive
Echinococcus granulosus, mice with secondary hydatidosis, cell-mediated immune response in relation to humoral immune response and cyst development, passive protection with spleen cells

Immunity, Passive
Sarcocystis antibodies in young humans and rats, gradually decreased after birth, probably passed to newborn through placenta

Immunity, Passive
Fasciola gigantica, rabbits, passive immunization with homologous immune serum and sensitized lymphocytes from previously infected rabbits and heterologous immune serum from previously infected goats, results indicate both humoral and cell-mediated factors take part in immune mechanism

Immunity, Passive
Nematospiroides dubius, expulsion from intestine of mice treated with immune serum

Immunity, Passive
Plasmodium falciparum, prevalence and density in pregnant women (by age/parity), recently pregnant women, and infants, malarial antibody levels in cord blood, seasonal variations: The Gambia

Immunity, Passive
Broccard, M.; and Girardin, P., 1979, Experimental Parasitol., v. 35 (10), 1305-1307
Ixodes ricinus, rabbits, passive transfer of resistance with immune serum, effect on feeding and egg laying, IgG and homocytotropic specific antibodies of donors and recipients, immediate skin sensitivity of recipients

Immunity, Passive
Schistosoma mansoni, transmission of IgG, IgM, and IgA antibodies from mother to fetal and newborn mice

Immunity, Passive
Burgess, D. E.; and Hanson, W. L., 1979, Infect. and Immun., v. 25 (3), 838-843
Trypanosoma cruzi, mice, adoptive transfer of protection with lymphocytes and macrophages

Immunity, Passive
Schistosoma mansoni, T-cell deprived mice vs. normal mice, histopathological prevention of liver cell damage surrounding egg foci by passive transfer of serum from chronically infected but not from uninfected mice

Immunity, Passive
Encephalitozoon cuniculi, 4 generations of a family of rabbits tested at different ages, antibody titres, distribution of histopathological lesions

Immunity, Passive
Chensue, S. W.; and Boros, D. L., 1979, J. Immunol., v. 123 (3), 1409-1414
Schistosoma mansoni, characterization of T lymphocytes involved in adoptive suppression of granuloma formation in infected mice

Immunity, Passive
Schistosoma mansoni, passive transfers of lymphoid cells from chronically infected mice to syngeneic mice in early stages of infection suppressed granuloma formation, passive transfers of serum had no such effect

Immunity, Passive
Colley, D. G.; Lewis, F. A.; and Todd, C. W., 1979, Cellular Immunol., v. 46 (1), 192-200
Schistosoma mansoni, mice, adoptive suppression of granuloma formation by T lymphocytes and by lymphoid cells sensitive to cyclophosphamide

Immunity, Passive
Theileria annulata, calves (exp.), hyperimmune serum incubated, no therapeutic value, did not affect course of disease

Immunity, Passive
Nematospiroides dubius in different mouse strains, sex resistance, passive transfer experiments
Immunity, Passive
Schistosoma mansoni in T-cell deprived vs. normal mice, parasitology (worm burdens, tissue and fecal egg counts), host response (hematology, serum transaminase levels), ameliorating effect of administering homologous chronic infection serum or heterologous rabit anti-S. mansoni egg antiserum, roles played by cell-mediated vs. humoral immune responses in reaction against schistosome egg products

Immunity, Passive
Gerbase-deLima, M.; Cariquist, I.; and Mendes, N. F., 1979, Cellular Immunol., v. 48 (1), 231-254
Specificity of local transfer of cell-mediated immunity to several antigens (including leishmanin) with dialyzable transfer factor

Immunity, Passive
Plasmodium berghei, immunization of chloroquinized rats against sporozoites by bites of infected mosquitoes: number of exposures to infected mosquitoes on antibody titers and protection; number of exposure to different numbers of infective mosquitoes on antibody production and protection; specificity of antiplasmodial antibodies; influence of passive transfer of sera from rats immune to sporozoites or to erythrocytic forms on development of sporozoites, symposium presentation

Immunity, Passive
Ixodes holocyclus, association of toxin with salivary glands, increasing toxin content of salivary glands with length of time of feeding on mice, effect on toxin content of salivary glands of interruption to feeding, effect of passive immunization of mice on resistance of host to toxin and on toxin production, effect on toxin production of feeding on non-immune and immune bandicoots

Immunity, Passive
Malaria, speculation on use of adoptive immunity in vaccination, some experiments with Plasmodium berghei in hamsters, symposium presentation

Immunity, Passive
Toxoplasma gondii, mice, reversal of effect of cyclophosphamide by passive immunization, data indicate that antibody plays a key role in establishing infection-immunity (premunition) in this system

Immunity, Passive
Heath, D. D.; et al., 1979, Parasitology, v. 79 (2), 177-182
Taenia ovis, duration of passive protection in lambs from immunized ewes

Immunity, Passive
Taenia ovis, immunizing potential of various developmental stages injected subcutaneously into neonatal lambs, colostrum-derived antibodies apparently suppressed immunizing potential of eggs in neonatal lambs

Immunity, Passive
Plasmodium berghei, neonate rats from normal or immune mothers receiving spleen cells from normal or immune mothers and fostered to normal or immune mothers in various combinations, results suggest that immune response was suppressed in presence of passively transferred maternal antibody

Immunity, Passive
Jayawardena, A. N.; et al., 1978, Immunology, v. 34 (1), 137-165
Plasmodium berghei yoelii (P. yoelii), mice, passive transfer of immunity with serum and cells

Immunity, Passive
Kilejian, A., 1978, Science (4359), v. 201, 922-924
Plasmodium lophurae, ducksling, successful immunization with purified and characterized histidine-rich protein as antigen, use of adjuvant is not required for this protective effect and immunity can be passively transferred with serum

Immunity, Passive
Klesius, P. H.; et al., 1975, Transplant. Proc., v. 7 (3), 449-452
Eimeria bovis, calves, delayed hypersensitivity (DH) response, passive transfer to other calves via lymphocytes and via cell-free transfer factor (TF), acquired immunity found in some calves receiving TF; DH skin reactivity for coccidian oocyst antigen and diphtheria toxoid was also passively transferred to rabbits, dogs, and rhesus monkeys with calf TF

Immunity, Passive
Eimeria ferrisi, cell-mediated immunity stimulated in mice by prophylactic treatment with bovine transfer factor (TF) prepared from lymph node lymphocytes of cattle immune to E. bovis, lymphocyte stimulation and protection against clinical infection, susceptible mice given lymphocytes from donor mice treated with bovine TF were also partly protected against clinical infection

Immunity, Passive
Klesius, P. H.; et al., 1979, Clin. Immunol. and Immunopathol., v. 12 (2), 143-149
Eimeria ferrisi, C57BL/6 mice, effects of immunization and treatment with transfer factor, results suggest this host strain has genetically determined defect in cell-mediated immune response to this infection

Immunity, Passive
Kolhe, N. P.; Lakshmi, P. N.; and Johri, G. N., 1979, Experientia, v. 35 (9), 1242-1243
Ancylostoma caninum, mice, passive transfer of acquired immunity through sensitized thymus and bone marrow cells
Immunity, Passive
Cysticercus bovis, calves, sheep, goats, passive immunization

Immunity, Passive
Kwa, B. H.; and Liew, F. Y., 1978, J. Helminth., v. 52 (2), 99-107
Taenia taeniaeformis, rats, haemagglutinating antibody production, passive transfer of immunity using sera from different time intervals after infection, passive transfer using dilutions of hyperimmune serum, time course of protection conferred by passive serum transfer before and after challenge

Immunity, Passive
Lemos, B. C., 1975, Rev. Brasil. Med., v. 32 (7), 505-505
Chagas disease, human, clinical evaluation of equine specific beta gammaglobulin as therapy

Immunity, Passive
Taenia taeniaeformis, mice, passive transfer of protection with intestinal, colostral, or serum immunoglobulins, protective capacity found to be associated mainly with IgA of colostrum and intestinal secretions and IgG of serum

Immunity, Passive
McDonald, V.; and Phillips, R. S., 1978, Immunology, v. 34 (2), 821-830
Plasmodium chabaudi, thymectomized mice more susceptible to infection than controls; adoptive transfer of immunity with enriched populations of spleen T and B lymphocytes

Immunity, Passive
Maddison, S. E.; et al., 1979, Infect. and Immun., v. 25 (1), 237-248
Schistosoma mansoni, rhesus monkeys, immunization, requirement for activation of both cell-mediated and humoral mechanisms

Immunity, Passive
Maddison, S. E.; and Kagan, I. G., 1979, J. Parasitol., v. 65 (4), 515-519
Schistosoma mansoni, mice, passive transfer of immune serum or of a combination of sensitized cells and immune serum intravenously or intraperitoneally, results of percutaneous and subcutaneous exposure to cercarial challenge

Immunity, Passive
Mahoney, D. F.; et al., 1979, Internat. J. Parasitol., v. 9 (4), 297-306
Babesia bovis, immune response in Bos taurus studied using passive transfer of serum from immune animals, results suggest effector mechanism is mediated by strain-specific antibody

Immunity, Passive
Toxoplasma gondii, mice, effect of passively transferred heterologous serum on number of brain cysts present and survival rate after lethal challenge, serum given before challenge reduces numbers of brain cysts and increases survival rate, serum given after challenge gives higher survival rate but enhances infection as judged by increased numbers of brain cysts

Immunity, Passive
Toxoplasma gondii, albino rats, transplacental infection only in offspring of female rats infected during pregnancy, no infection in offspring of female rats infected before pregnancy, offspring protected by mother's infection prior to pregnancy

Immunity, Passive
Menders, E., 1979, Cellular Immunol., v. 42 (2), 424-427
transfer of delayed hypersensitivity to leishmanin (Montenegro reaction), remains to be established whether this alters clinical course of visceral leishmaniasis

Immunity, Passive
Miller, H. R. P.; and Nawa, Y., 1979, Exper. Parasitol., v. 47 (1), 81-90
Nippostrongylus brasiliensis, rats, parasite elimination is associated with increase in proportion of intestinal goblet cells, this effect can be adoptively transferred by immune thoracic duct lymphocytes

Immunity, Passive
Nippostrongylus brasiliensis-infected rats adoptively immunized with different subpopulations of immune thoracic duct lymphocytes, intestinal goblet cell response, cells lacking surface immunoglobulin were most potent stimulators of goblet cell differentiation

Immunity, Passive
Plasmodium berghei, Babesia rodhaini, mice, attempts to raise host-protective sera using variety of immunization manipulations (BCG injection, P. yoelii infection, others)

Immunity, Passive
Mooney, A.; and Denham, D. A., 1979, Parasite Immunol., v. 1 (1), 3-12
Trichinella spiralis, effects of immune serum and cells on newborn larvae, in vitro and in vivo (mouse) studies

Immunity, Passive
Monday, B. L., 1979, Vet. Parasitol., v. 5 (2-3), 129-135
Sarcocystis oviscanus, deleterious effect on growth rate and haematocrit in lambs, presence of antibodies (presumably colostral) against Sarcocystis did not appear to provide significant protection

Immunity, Passive
Taenia taeniaeformis, systemic sensitization with reaginic antibodies accelerates rate at which challenge organisms are killed in passively immunized rats, inflammatory mediators which are released during immediate hypersensitivity responses may have direct effects on viability of early larval stages of parasite, these results indicate that reaginic antibody may play role in protective mechanism of immunity against Taenia taeniaeformis in the rat
Immunity, Passive
Nippostrongylus brasiliensis, rats, protective capacities of different sources of immune lymphocytes, thoracic duct lymphocytes drained from donors on day 10 conferred greater protection than either mesenteric lymph node cells or thoracic duct lymphocytes drained from hyperimmune donors, results suggest that different susceptibilities of 'normal' and 'damaged' worms to adoptive protection is quantitative rather than qualitative phenomenon and also emphasize that kinetic and dose-response experiments are important in evaluating protective capacities of transferred cells

Immunity, Passive
Nawa, Y.; and Miller, H. R. P., 1979, Cellular Immunol., v. 42 (2), 225-239
Nippostrongylus brasiliensis, rats, intestinal mast cell (IMC) response can be transferred by adoptive immunization, IMC may be derived from subpopulation in transferred immune thoracic duct lymphocytes, close relationship between worm expulsion and increased numbers of IMC

Immunity, Passive
Nippostrongylus brasiliensis, immune thoracic duct lymphocytes fractionated into cells lacking or bearing surface immunoglobulin, protective capacities of each subpopulation examined

Immunity, Passive
Palmer, T. T., 1978, J. Parasitol., v. 64 (3), 493-496
Plasmodium berghei, rats, effect of primary patent infection during pregnancy upon course of infection and humoral antibody response in offspring, passive transfer of protective antibody through milk, in utero sensitization by soluble malaria antigens may also exert protective effect

Immunity, Passive
Plasmodium berghei, reduced protective activity of immune spleen cells from completely cured rats if cells are transferred to rats which have been infected for 5-8 days before cell transfer

Immunity, Passive
Phillips, S. M.; et al., 1978, Cellular Immunol., v. 38 (2), 239-254
Schistosoma mansoni, rats, prerequisite mechanisms whereby natural infection or artificial immunization leads to development of optimal protective immunity, in vivo and in vitro criteria of cellular and humoral immune reactivity evaluated

Immunity, Passive
Playfair, J. H. L.; and De Souza, J. B., 1979, Parasite Immunol., v. 1 (3), 197-208
Plasmodium yoelii- or P. berghei-vaccinated mice, immunofluorescent antibody response with particular reference to antibody class and subclass, correlation with protection, passive transfer experiments, effect of macrophage stimulation and inhibition on antibody and on protection

Immunity, Passive
Quinn, T. C.; and Wyler, D. J., 1979, J. Immunol., v. 123 (5), 2245-2249
Plasmodium berghei, rats, mechanisms of action of hyperimmune serum in mediating protective immunity

Immunity, Passive
Rajasekarah, G. R.; and Howell, M. J., 1979, J. Parasitol., v. 65 (4), 481-487
Fasciola hepatica, rats, transfer of immunity by serum and cells from infected to naive animals, hematological and precipitating antibody responses of recipients

Immunity, Passive
Ross, J. G.; and Halliday, W. G., 1979, Internat. J. Parasitol., v. 9 (4), 281-284
Ostertagia circumcincta, Trichostrongylus colubriformis, sheep, immunity successfully transferred by 'Transfer Factor', donor and recipient of different breeds

Immunity, Passive
Ross, J. G.; and Halliday, W. G., 1979, Research Vet. Sc., v. 26 (1), 41-46
Trichostrongylus axei, 'transfer factor' activity in transfer of immunity to susceptible lambs

Immunity, Passive
Schistosoma mansoni, human, circulating antigens, antibodies, and immune complexes in milk from infected mothers

Immunity, Passive
Trypanosoma cruzi, lymphocytes of mice inoculated with avirulent PF strain conferred immunity in mice (treated with immunosuppressive drugs or untreated) against infections with the virulent Y strain; newborn mice treated with immunosuppressive drugs showed no protection against the virulent strain

Immunity, Passive
Sharma, M.; et al., 1979, Immune Reg. Transfer Factor, 565-569
human cutaneous Leishmania infection, transfer factor therapy, double blind clinical trial: Iran

Immunity, Passive
Leishmania, human, persistent cutaneous infection, therapy with Leishmania-specific transfer factor
Immunity, Passive
Trichinella spiralis, mice, failure to induce protective immunity by cell transfer from immunized donors, results indicate attenuation of immunity after transfer

Immunity, Passive
Giardia muris-infected mice, resistance to infection transferred passively in mother's milk, during lactation in immune females maternal intestinal resistance to Giardia is temporarily lost

Immunity, Passive
Heterakis gallinarum, chickens, passive immunization

Immunity, Passive
Schistosoma mansoni, prenatal sensitization to schistosomal antigen in children born to infected mothers

Immunity, Passive
Takayanagi, T.; et al., 1978, Exper. Parasitol., v. 44 (1), 82-91
Trypanosoma gambiense, neonatal rats receiving antibodies from female, protective, agglutinating, and phagocytosis-promoting characteristics of sera

Immunity, Passive
Naegleria fowleri, mice immunized with live organisms acquire resistance to challenge, protective immunity can be transferred by immune serum but not by immune cells, mechanism of this immunity unknown

Immunity, Passive
Vardhani, V.; and Johri, G. N., 1978, Experentia, v. 34 (1), 122-123
Ancylostoma caninum, mice, transfer of immunity with sensitized peritoneal exudate cells from singly and repeatedly infected donors

Immunity, Passive
Verhave, J. P.; et al., 1978, J. Immunol., v. 121 (3), 1031-1033
Plasmodium berghei, transfer of protective immunity with lymphoid cells from mice immune to malaria sporozoites

Immunity, Passive
Wakelin, P.; and Wilson, M. H., 1979, Immunology, v. 37 (1), 103-109
Trichinella spiralis, mice, transfer of immunity with enriched T- and B-cell populations

Immunity, Passive
Werner, H.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (4), 528-532
Toxoplasma gondii, latent infected mice, substantial reduction in brain cysts obtained by administration of hyperimmune serum, pyrimethamine, and SDDS in various combinations; effectiveness of therapy varied with parasite strain

Immunity, Passive
Toxoplasma gondii, influence of 'serum immunotherapy' on cysts in latent infected mice

Immunity, Passive
Toxoplasma gondii, rabbits, humoral and cellular immune response in different stages of pregnancy, no evidence that this immune response has any protective effect on foetus

Immunity, Phagocytosis
Boonpucknavig, S.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (4), 79-83
Plasmodium berghei, mice, treatment with carbon particles in attempt to block macrophages, alterations in immune response, immunopathology, and histology patterns

Immunity, Phagocytosis
Toxoplasma gondii, in vitro model for quantitation of multiplication in monocytes from normal and immune human subjects, findings show that capacity to inhibit growth of toxoplasmas is induced in monocytes by a product released after exposure of T lymphocytes from immune subjects to toxoplasma antigen

Immunity, Phagocytosis
Plasmodium berghei, attachment and phagocytosis of parasites by peritoneal macrophages in vitro, merozoites but not trophozoites have antiphagocytic capsule (surface coat), antiphagocytic action of capsule is lost after reaction with immune serum

Immunity, Phagocytosis
Trypanosoma brucei, different surfaces examined for ability to support phagocytic activity by mouse peritoneal exudate cells, possible significance of phenomenon of surface phagocytosis in disease process

Immunity, Phagocytosis
Malaria in normal subjects and those with sickle cell trait, determination of plasma immunoglobulins and antimalarial antibodies, findings suggest that during infancy early phagocytosis of parasitized cells led to enhanced processing of antigen and hence earlier immune response to sickle cell trait

Immunity, Phagocytosis
Trypanosoma cruzi, mice, transplacental transmission is dependent upon pathogenicity of parasite strain and phagocytic activity of placenta
Immunity, Phagocytosis
Trypanosoma lewisi, rats, importance of monocyte phagocytic system in elimination of parasites during course of infection, relative importance of liver and spleen in removal of parasites, importance of specific antibody in uptake of parasites by liver, production of specific antibody during course of infection, effect of antibody and complement on parasites, fate of trypanosomes within chambers planted into peritoneal cavities of normal and immune rats

Immunity, Phagocytosis
Ferrante, A.; and Jenkin, C. R., 1979, Cellular Immunol., v. 42 (2), 327-335
Trypanosoma lewisi, rat macrophages are able to ingest and then kill parasite in presence of specific antibody

Immunity, Phagocytosis
Trypanosoma lewisi-infected rats, changes in activity of reticuloendothelial system

Immunity, Phagocytosis
Trichomonas vaginalis in human cervical and vaginal exudates, fine structure and acid phosphatase activity, relationship with other cellular elements including phagocytosis and digestion of epithelial cells and bacteria and phagocytosis by macrophages

Immunity, Phagocytosis
Plasmodium berghei in inbred rats, macrophage-cytophilic antibody specific for malarial antigens, identification and characterization, demonstration of role in protection, acts synergistically with opsonizing antibody

Immunity, Phagocytosis
Crubert, H. E.; and Osborne, J. W., 1979, Lab. Animals, v. 13 (3), 199-202
Sporinucleus muris, X-irradiated rats, ultrastructural changes in intestinal epithelium, no evidence of phagocytosis by Paneth cells

Immunity, Phagocytosis
Handman, E.; and Burgess, A. W., 1979, J. Immunol., v. 122 (3), 1134-1137
Leishmania tropica, uptake and killing by macrophages, stimulation by granulocyte-macrophage colony-stimulating factor

Immunity, Phagocytosis
Holmes, P. H.; et al., 1979, Immunology, v. 36 (3), 415-420
Trypanosoma brucei, method of labelling with [75Se]-methionine, suitability for in vivo studies of immunological clearance, liver found to be principal site of phagocytosis in immune mice; method equally applicable to T. congolense

Immunity, Phagocytosis
Plasmodium berghei, rats, serum opsonic activity, functional and immunochemical characteristics in vitro

Immunity, Phagocytosis
Hussein, H. S., 1979, Exp. Parasitol., v. 47 (1), 1-12
Babesia microti, B. hylomysci, mice, role of spleen during infection, erythrophagocytosis, determination of phagocytic activity of reticuloendothelial system

Immunity, Phagocytosis
Ito, Y.; et al., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (6), 333-339
Trichomonas foetus, mice, protective role of immune lymphoid cells and phagocytes, microscopical observations

Immunity, Phagocytosis
Toxoplasma gondii, alterations in mice infected with toxoplasmas attenuated in virulence, effects of antibodies to Toxoplasma on survival and growth of these organisms in vitro, multiplication of toxoplasmas within macrophages from normal and immunized mice, requirements for lymphocytes and for Toxoplasma antigen for induction in macrophages of ability to suppress Toxoplasma multiplication and variation in these requirements with time after immunization, further characterization of lymphocyte-antigen effect on macrophages, effects on Toxoplasma multiplication in macrophages of supernates of immune lymphocyte-Toxoplasma antigen interactions

Immunity, Phagocytosis
Schistosoma mansoni, cytotoxicity of human and baboon mononuclear phagocytes against schistosomula in vitro, induction by immune complexes containing IgE and parasite antigens

Immunity, Phagocytosis
Trypanosoma lewisi, T. cruzi sensitized with specific antisera and complement, adherence to rat peritoneal cells; adherence is specific, without cross reactions; results suggest that phagocytosis as well as cytolytic antibodies plays a role in immunity

Immunity, Phagocytosis
Lelchuk, R.; et al., 1979, Parasite Immunol., v. 1 (1), 61-78
Plasmodium yoelii- and P. berghei-infected mice and vaccinated mice challenged with homologous parasites, changes in phagocytic and adherent cell numbers, development and suppression of population of late-adhering macrophages

Immunity, Phagocytosis
Trypanosoma dionisi, phagocytosis by mouse peritoneal macrophages in vitro and subsequent fate therein
Immunity, Phagocytosis

MacKenzie, P. K. I.; et al., 1978, Research Vet. Sc., v. 24 (1), 4-7
Trypanosoma congolense, phagocytosis of erythrocytes and leucocytes in infected sheep is due to coating of blood cells with trypanosomal antigen, phagocytic activity is dependent on parasitemia and is significant in maintaining host anemia

Immunity, Phagocytosis

Toxoplasma gondii, new method to evaluate capacity of monocytes and macrophages to inhibit multiplication of or kill an intracellular pathogen, involves measurement of incorporation of [3H]uracil into parasite nucleic acids, adaptation of method to microsystem

Immunity, Phagocytosis

Plasmodium berghei, mice, phagocytosis of parasitized erythrocytes by mouse peritoneal macrophages, concluded that both humoral and cellular factors were important

Immunity, Phagocytosis

Pneumocystis carinii, preliminary studies on identifying trophozoites and cysts and establishing infection of cell cultures, interactions in vitro with macrophages and L-cells, observations suggest role for antibody and mononuclear phagocytes during immune response

Immunity, Phagocytosis

Leishmania enriettii, destruction of intracellular organisms in macrophages activated by cocultivation with stimulated macrophages

Immunity, Phagocytosis

Nathan, C.; et al., 1979, J. Exper. Med., v. 149 (5), 1586-1608
Trypanosoma cruzi, activation of macrophages in vivo and in vitro, correlation between hydrogen peroxide release and trypansomidal activity

Immunity, Phagocytosis

Trypanosoma cruzi, conditions for inducing and maintaining trypansomidal activity in both resident and inflammatory mouse peritoneal macrophages maintained in vitro

Immunity, Phagocytosis

Ono, T.; and Inoki, S., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (2), 47-58
Trypanosoma gambiense-infected mice, interaction between trypanosomes and peritoneal cells after treatment with human serum, anti-trypanosome mouse-serum, and acriflavine, electron microscopy

Immunity, Phagocytosis

Plasmodium yoelii in immunologically competent mice and mice with defined immunological deficiencies, results indicate that splenomegaly, enhanced phagocytosis, and anemia are thymus-dependent responses to malaria infection

Immunity, Phagocytosis

S[chiastosoma] mansoni-infected and uninfected mice injected with S[almonella] typhimurium, phagocytic function of reticuloendothelial cells compared

Immunity, Phagocytosis

Eimeria tenella, in vitro uptake of sporozoites by peritoneal exudate cells (macrophages and heterophils) from normal and immunized chickens, electron microscopy, greater uptake by cells from immunized birds but no difference in appearance of sporozoites; entry by phagocytosis

Immunity, Phagocytosis

Sanderson, C. J.; and de Souza, W., 1979, J. Cell Sc., v. 37, 275-286
Trypanosoma cruzi, interaction with rat eosinophils, neutrophils, and macrophages in vitro, light and electron microscopy

Immunity, Phagocytosis

Plasmodium berghei-infected erythrocytes, phagocytosis by peritoneal macrophages from normal, infected, or immune mice, light and scanning electron microscopy

Immunity, Phagocytosis

Shear, H. L.; Nussenzweig, R. S.; and Bianco, C., 1979, J. Exper. Med., v. 149 (6), 1288-1298
Plasmodium berghei-infected mice. Phagocytosis of erythrocytes by spleen macrophages appears to be mediated by Ig on surface; other indications of spleen macrophage activation; phagocytosis is inhibited later in infection by serum factors possibly immune complexies; high levels of anti-Forssman antibodies

Immunity, Phagocytosis

Stevens, D. R.; and Moulton, J. E., 1978, Infect. and Immun., v. 19 (5), 972-982
Trypanosoma brucei, phagocytosis by mouse peritoneal macrophages, ultrastructural and immunological aspects, results indicate that both specific antibody and complement contribute to ingestion of trypanosomes by activated macrophages but that parasite antigenic variation effectively abrogates phagocytic defense mechanism

Immunity, Phagocytosis

Takayanagi, T.; et al., 1978, Exper. Parasitol., v. 44 (1), 82-91
Trypanosoma brucei, neonatal rats receiving antibodies from female, protective, agglutinating, and phagocytosis-promoting characteristics of sera
Immunity, Phagocytosis
Thompson, J. M.; et al., 1977, J. Invert. Path., v. 30 (2), 181-184
Ascaris suum, neutrophils are capable of penetrating cuticle of 2nd-stage larvae, integrity of internal tissues is then destroyed by cytoplasmic extensions of neutrophils, ultrastructural study

Immunity, Phagocytosis
Thorner, K. J., et al., 1979, Parasitology, v. 79 (3), 367-379
Trypanosoma dionisi, phagocytosis and killing by human neutrophils, eosinophils, and monocytes, importance of specific antigen-antibody complex in this system

Immunity, Phagocytosis
Pneumocystis carinii, uptake and degradation by macrophages in vitro

Immunity, Precipitation
Afchain, D.; et al., 1979, J. Parasitol., v. 65 (4), 507-514
Trypanosoma cruzi culture forms, antigenic make-up, comparison with salivarian and other stercorarian trypanosomes and Leishmania using immunoprecipitation in gels and immunoelectrophoresis, identification of component specific to T. cruzi

Immunity, Precipitation
Akhane, H., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (6), 347-352
Fasciola sp., rabbits, acute and chronic phases of infection, Ouchterlony and complement fixation titers

Immunity, Precipitation
Asciasum, cattle, swine, diagnosis by latex agglutination, immunodiffusion, and Casoni skin test compared

Immunity, Precipitation
Trypanosoma cruzi, humans, analysis of sensitivity of rapid flocculation for diagnosis, recommended for screening blood donors and for epidemiologic surveys

Immunity, Precipitation
Ansari, M. Z.; and Singh, (Kr.) S., 1979, Indian Vet. Med. J., v. 3 (2), 73-76
Gaigeria pachyscelis larvae incubated with immune lamb serum, precipitate formed around fourth but not third stage larvae

Immunity, Precipitation
Leishmania brasiliensis, humans, reverse immunodiffusion technique and passive hemagglutination test compared as serological tests

Immunity, Precipitation
Trypanosoma cruzi, acute infection in mice, circulating antigens capable of reacting against mouse serum in complement fixation and counterimmuno-electrophoresis tests but not in haemagglutination test

Immunity, Precipitation
human amoebiasis, evaluation of the gel diffusion test for diagnostic purposes, definite seasonal variation in number of clinical cases and number of positive tests for amoebic precipitins (increase during wet season): Nigeria

Immunity, Precipitation
Trypanosoma evansi, buffaloes (exper.), course of disease, symptoms, haematological values, gel precipitin tests; serological test necessary follow-up for negative blood smear

Immunity, Precipitation
Barbosa, W.; et al., 1974, Rev. Patol. Trop., v. 3 (3), 263-265
Trypanosoma cruzi, diagnosis, sera from persons known to be infected, comparison of test results using counterimmuno-electrophoresis, hemagglutination, fluorescent antibody and complement fixation

Immunity, Precipitation
Bennett, L. J., 1978, J. Parasitol., v. 64 (1), 182-185
Australian spargana, mice, immunological responses (tissue reactions, precipitating antibodies, anaphylactic reactions) not found to be weak or abnormal

Immunity, Precipitation
toxoplasmosis, humans, diagnosis comparing Sabin Feldman dye test and latex flocculation; both tests gave similar results

Immunity, Precipitation
Bout, D.; Carlier, Y.; and Capron, A., 1979, Biomedicine, v. 31 (7), 214-215
echinococcosis, immunodiagnosis using monospecific immune serum anti-Ag in microdiffusion technique

Immunity, Precipitation
Bulajic, M.; et al., 1977, Srpski Arhiv Tse-lok. Lekar., v. 105 (7-8), 657-663
Trichinella spiralis, pigs (exper.), specificity of skin allergy test, tube precipitation reaction, and Ouchterlony double gel diffusion technique in diagnosis

Immunity, Precipitation
Fasciola hepatica, human, immunodiagnosis, comparative study of complement fixation, double diffusion precipitation, and indirect fluorescent antibody tests

Immunity, Precipitation
Echinococcus granulosus, humans, comparison of immunoelectrophoresis, latex agglutination and indirect hemagglutination for diagnostic purposes
Immunity, Precipitation
human echinococcosis, serological survey using the immunoelectrophoresis test: District of Palena, Chiloe, Chile

Immunity, Precipitation
Trypanosoma cruzi, human, comparative serologic diagnosis, complement fixation, immunofluorescence, hemagglutination, flocculation tests

Immunity, Precipitation
Trypanosoma cruzi, I.M.T.-Chagas flocculation test evaluated, compared with complement fixation, hemagglutination and immunofluorescence test results

Immunity, Precipitation
Entamoeba histolytica, antigenic analysis of 2 strains (HT-31 and HK-9) by 2-dimensional immunoelectrophoresis, cross-reactions showed large number of shared antigens between strains

Immunity, Precipitation
Chiù, Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 73 (2), 81-88
Schistosoma japonicum, evaluation of immunodiffusion tests using adult worm extracts as antigens and sera of exper. animals, results differed with animal species and also with individuals of same species

Immunity, Precipitation
Echinococcus granulosus, humans, double diffusion test for detection of antibodies against 5 antigens, comparison with immunoelectrophoresis and latex agglutination

Immunity, Precipitation
Trypanosoma cruzi, culture media for use in immunoprecipitation tests

Immunity, Precipitation
Entamoeba histolytica, infected patients from 3 geographic areas, results of latex agglutination and agar gel diffusion tests in patients with symptoms vs. those without symptoms: Brazil

Immunity, Precipitation
Nippostrongylus brasiliensis vs. Nematomoeprioides dubius, several features of intestinal stages in mice, complexity of worm excretory/secretory (ES) products and efficacy in induction of resistance, comparison of ES products with respect to in vitro T and B cell mitogenicity, capacity to induce and/or elicit delayed type hypersensitivity responses, and capacity to induce reaginic and precipitating antibody responses

Immunity, Precipitation
Trypanosoma musculi, precipitin responses of infected mice to exoantigens and cellular antigens

Immunity, Precipitation
human cysticercosis, immunoparasitic survey to evaluate usefulness of counterimmunoelectrophoresis as diagnostic tool: endemic focus of Irian Jaya

Immunity, Precipitation
Desowitz, R. S.; Oothuman, P.; and Denham, D. A., 1978, J. Helminth., v. 52 (2), 127-130
Brugia pahangi, cats infected with normal or irradiated larvae, precipitating antibody response to different life cycle stages detected by counterimmunoelectrophoresis

Immunity, Precipitation
leishmaniasis, human and canine, immunologic diagnosis, changes in antibody levels during course of disease, interpretation of results

Immunity, Precipitation
Trypanosoma musculi, precipitin responses of infected mice to exoantigens and cellular antigens

Immunity, Precipitation
Dusanic, D. G., 1979, Internat. J. Parasitol., v. 9 (6), 577-583
Trypanosoma lewisi, rats, Trypanosoma musculi, mice, precipitin responses of immune hosts repeatedly infected, antigenic relationships of these 2 trypanosome species, micromunodiffusion, crossed immunoelectrophoresis (CIE), and tandem CIE analyses
Immunity, Precipitation
Trichinella spiralis, evaluation of antigens obtained by different methods of preparation (ring precipitation test, immunoelectrophoresis, latex test)

Immunity, Precipitation
Schistosomiasis in patients with and without neurological symptoms, circu-lomar precipitin test, indirect haemagglutination test, and immunoglobulins in serum and cerebrospinal fluid

Immunity, Precipitation
Felgner, P., 1977, Tropenmed. u. Parasitol., v. 28 (4), 491-493
Amebic absciss, human, serodiagnosis, comparison of results using Stick-ELISA (enzyme-linked immunosorbent assay) and those obtained by complement fixation, indirect hemagglutination, counterimmune electrophoresis, and latex agglutination

Immunity, Precipitation
Trypanosoma gambiense, humans, T. brucei, rats, immune complexes, characterization by radioimmuno precipitation

Immunity, Precipitation
Haemophysalis longicornis, rabbits subjected to series of infestations with adult female ticks, development of acquired resistance and precipitating antibody (7S class of immunoglobulin)

Immunity, Precipitation
Geerts, S.; Kumar, V.; and Aerts, N., 1979, J. Helminth., v. 53 (4), 293-299
Taenia saginata, antigenic components and their relevance to diagnosis of bovine cysticercosis by immunoelectrophoresis

Immunity, Precipitation
Toxocara canis, human visceral larva migrans, serodiagnosis, enzyme-linked immunosorbent assay appears to be method of choice as compared to indirect hemagglutination, bentonite flocculation, and double diffusion in agar

Immunity, Precipitation
Cysticercus cellulosae, serological diagnosis using soluble antigen dried by lyophilization on paper discs

Immunity, Precipitation
Cysticercus cellulosae, crude antigen, division into antigenic fractions of carbohydrates, proteins and RNA, adequate specificity for immunodiffusion tests

Immunity, Precipitation
Echinococcus granulosus, humans, stdandardization of immunoelectrophoresis test using whole or purified hydatid cyst fluid antigens allowed comparative evaluation of sensitivity and specificity of both antigens

Immunity, Precipitation
Fasciola hepatica, structure of 41 antigens, serologic activity in rabbits using 5 tests

Immunity, Precipitation
Fasciola hepatica, rabbits, serological response, dynamics in relation to intensity and duration of infection and to superinfection (complement fixation, passive haemagglutination, precipitation, and immunoelectrophoresis with various antigens)

Immunity, Precipitation
Hayunga, E. G.; et al., 1979, J. Parasitol., v. 65 (4), 497-506
Schistosoma mansoni, antigenicity of radio labeled surface proteins from adult worms, immunoprecipitation with infected serum, cross-reaction with anti-Schistosoma haematobium and anti-Schistosoma japonicum serum

Immunity, Precipitation
Saccinula carcin-parsitus Carcinus mediterraneus, immunochemical analysis of hemolymph confirms presence of protein fraction not observed in healthy crabs, some infected crabs develop anti-Saccinula precipitin reaction

Immunity, Precipitation
Hillyer, G. V.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (4), 661-669
Schistosoma mansoni, sera from infected persons, immunodiagnosis, comparison of enzyme-linked immunosorbent assay, radioimmunoassay and precipitation tests performed with antigens from eggs

Immunity, Precipitation
Fasciola hepatica, Schistosoma mansoni, purification of specific antigens by means of a combination of Laurell crossed immunoelectrophoresis for immunization using complexed antigen and affinity chromatography with monospecific antibody

Immunity, Precipitation
Howell, M. J.; and Sandeman, R. M., 1979, Internat. J. Parasitology., v. 9 (1), 41-45
Fasciola hepatica, precipitate which forms when metacercariae are cultured in immune rat serum is a complex of parasite metabolic antigen and rat IgG (possibly IgG), vaccination of rats with precipitate in FCA confers significant degree of protection
Immunity, Precipitation
Echinococcus granulosus, polyhexosamine cermide complex antigen isolated from hydatid fluid: use in quantitative complement fixation test with Echinococcus-positive human sera; mice sensitized with this antigen, precipitating antibodies

Immunity, Precipitation
Echinococcus, human, counter-immunoelectrophoresis as suitable diagnostic method

Immunity, Precipitation
Schistosoma japonicum, humans, diagnosis, counterimmunoelectrophoresis compared with circumoval precipitin test: Philippines

Immunity, Precipitation
Kaliraj, P.; et al., 1978, Indian J. Exper. Biol., v. 16 (9), 994-995
Wuchereria bancrofti, rabbits, immunization with whole and soluble microfilarial (mf) antigens, analysis of rabbit anti-mf sera by agar gel diffusion, possible use of rabbit anti-mf sera in detection of circulating filarial antigen in human filarial cases

Immunity, Precipitation
Kaliraj, P.; Ghirnikar, S. N.; and Harinath, B. C., 1979, Indian J. Exper. Biol., v. 17 (10), 1148-1149
Wuchereria bancrofti, human, circulating filarial antigen, detection, concentration, and identification, countercurrent immunoelectrophoresis, Ouchterlony double diffusion

Immunity, Precipitation
Kamya, M.; et al., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (3), 67-74
Litomosoides carinii, cotton rats, Ouchterlony and immunoelectrophoresis (IEP) tests with homologous and heterologous (Dirofilaria immitis, Angiostrongylus cantonensis) antigens at 11 weeks after infection; sequential changes from 1-10 weeks after infection in hemagglutination titer and IEP with homologous antigen and in numbers of microfilariae

Immunity, Precipitation
Ascaridia galli, development of precipitins in hyperimmunized rabbits, precipitation and intradermal tests in infected chicks gave negative results

Immunity, Precipitation
Khan, A.; and Mujib, B., 1979, JPMA, v. 29 (12), 268-270
Entamoeba histolytica, humans, serological diagnosis by gel diffusion

Immunity, Precipitation
Knell, J. D.; and Zam, S. G., 1978, J. Invert. Path., v. 31 (3), 280-288
Nosema spp., double immunodiffusion techniques used to investigate taxonomic relationships between 6 different microsporidian isolates.

Immunity, Precipitation
Kondo, K.; et al., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (4), 265-270
Diphyllobothrium latum, human, serum immunoglobulin levels, precipitation tests (Ouchterlony, immunoelectrophoresis)

Immunity, Precipitation
Kramerova, K., 1979, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 28 (3), 366-367
toxoplasmosis, human, serological diagnosis, comparison of complement fixation reaction and microprecipitation reaction in agar gel

Immunity, Precipitation
Entamoeba histolytica, human, diagnosis, gel diffusion vs. immunofluorescence

Immunity, Precipitation
Fasciola hepatica, rabbits immunized with secretory/excretory antigen, antibodies detected with complement fixation, precipitation, and fluorescent antibody tests, immunologically identical antibodies found after infection

Immunity, Precipitation
Trypanosoma brucei, antigenic structures expressed in course of parasite life cycle, immunoelectrophoretic analysis and comparative study with various taxa within the family and phylum, extensive review

Immunity, Precipitation
Leishmania donovani, immunoelectrophoretic diagnosis using a water-soluble extract of culture forms of parasite

Immunity, Precipitation
Trichinella spiralis, swine (exper.), Ouchterlony double diffusion test, evaluation, diagnosis

Immunity, Precipitation
Entamoeba histolytica, humans, diagnosis, comparison of results using passive latex agglutination and agar gel precipitation

Immunity, Precipitation
Trypanosoma lewisi, serological reactivities of exoantigens and cellular antigens of bloodstream parasites from immunosuppressed rats (precipitation and agglutination tests), results suggest that likely result of immunosuppressing host is trypanosome antigen preparation that is more reactive serodiagnostic reagent.
Immunity, Precipitation
human echinococcosis, comparison of diagnostic results obtained using immunoelectrophoresis and Casoni intradermal tests in patients where presence of cysts was later confirmed at surgery; immunoelectrophoresis test gave the better results but neither test was recommended for use

Immunity, Precipitation
Leishmania spp., immunized rabbits, infected hamsters (exper.), and humans, quantitative estimation of antibody titers by enzyme-linked immunosorbent assay, some comparisons with passive hemagglutination, complement fixation, and countercurrent immunoelectrophoresis

Immunity, Precipitation
Telogaster opisthorchis, precipitating antibody in Anguilla australis schmidtii serum and A. dieffenbachi gut mucus, agar-gel diffusion, passive haemagglutination, estimated molecular weight and 2-mercaptoethanol sensitivity of antibodies

Immunity, Precipitation
malaria, value of gel-precipitation test in monitoring endemicity in a rural African village, parasite and precipitin prevalence rates by age, climatic variation and extensive drug usage as factors implicated in changes in prevalence: The Gambia

Immunity, Precipitation
Trichinella spiralis, partially purified antigenic fraction from muscle larvae which detects haemagglutinin and precipitin antibodies in infection sera of rats, rabbits, and swine up to one year after single infection

Immunity, Precipitation
Mahajan, R. C.; et al., 1976, Indian J. Path. and Microbiol., v. 19 (2), 123-126
amoebiasis, human, diagnosis, evaluation of serum, counter-immunoelectrophoresis, and bentonite flocculation tests

Immunity, Precipitation
Entamoeba histolytica, humans, diagnostic value of counter-immunoelectrophoresis in comparison to complement fixation, indirect haemagglutination, and latex agglutination tests

Immunity, Precipitation
visceral leishmaniasis, diagnosis, counter-current immunoelectrophoresis rapid and less sophisticated, value limited by false positivity and false negativity

Immunity, Precipitation
hydatidosis, human, diagnosis, counterimmunoelectrophoresis on cellulose acetate membrane with lyophilized commercially produced antigen

Immunity, Precipitation
Entamoeba histolytica, children with acute intestinal amebiasis, counterimmunoelectrophoresis reaction over course of infection, limitations of this test show that diagnosis must still depend on demonstration of trophozoites in stool

Immunity, Precipitation
Schistosoma japonicum, humans, diagnosis, improved procedures for circumoval precipitin test and for preparing egg antigens, comparative study on test reading techniques, highly sensitive for mass examination in endemic areas: Leyte

Immunity, Precipitation
de la Maza, D.; et al., 1977, Rev. Med. Chile, v. 105 (7), 464-466
human echinococcosis, evaluation of electro-syneresis for diagnostic use, test proved highly sensitive and specific

Immunity, Precipitation
Schistosoma mansoni, human, circumoval precipitin test in prepatent and acut phases of infection, not useful for early diagnosis

Immunity, Precipitation
Meyers, J. D.; et al., 1979, Am. Rev. Resp. Dis., v. 120 (6), 1283-1287
Pneumocystis carinii, marrow-transplant patients, diagnosis, counterimmunoelectrophoresis, indirect immunofluorescence

Immunity, Precipitation
Entamoeba histolytica, human, evaluation of agar-gel diffusion test for sero-diagnosis of invasive amoebiasis, comparison with results using indirect haemagglutination test, agar-gel test recommended for routine use when more sophisticated methods are not readily available

Immunity, Precipitation
Mohapatra, T. M.; et al., 1979, Tropenmed. u. Parasi tol., v. 30 (1), 53-58
Entamoeba histolytica, humans with symptomatic and asymptomatic amoebiasis, comparative evaluation of parasitological and serological diagnostic techniques

Immunity, Precipitation
Onchocerca volvulus, humans, detection of antibodies using adult O. gutturosa antigen; comparison of indirect haemagglutination, agar gel diffusion, and counterimmunoelectrophoresis methods; cross reactions with sera of persons infected with Wuchereria bancrofti

SUBJECT HEADINGS
Immunity, Precipitation
Plasmodium berghei-mouse systems, detection of stage and species specific antisporozoite antibodies with circumsporozoite precipitation and indirect immunofluorescence methods, preliminary application to P. falciparum in humans with similar results

Immunity, Precipitation
human echinococcal infection, importance of diagnosis by immunoelectrophoresis if there is possibility that serologic studies (indirect hemagglutination, bentonite flocculation) give positive results that do not correlate with clinical history

Immunity, Precipitation
Oelerich, S., 1977, Tropenmed. u. Parasitol., v. 28 (4), 539-544
Paragonimus westermani, P. africanus, Macaca mulatta (exper.), serological changes (indirect hemagglutination, complement fixation, double gel diffusion), cross-reactions occurred but species could be differentiated by disc-electrophoresis; supplemented by parasitologic and radiologic observations of other authors

Immunity, Precipitation
Schistosoma mansoni, humans, diagnosis using the circumoval precipitin test with indirect immunofluorescence, good sensitivity and specificity

Immunity, Precipitation
Pifer, L. L.; et al., 1978, Pediatrics, Am. Acad. Pediat., v. 61 (1), 35-41
Pneumocystis carinii, methods (counterimmunoelectrophoresis and indirect immunofluorescence) of detecting antigen and antibody in sera of normal and immunosuppressed children, evidence that subclinical infections are highly prevalent in normal children while active disease is prevalent in the compromised child

Immunity, Precipitation
Pinheiro, Z. B.; de Oliveira, O. S.; and Barbosa, W., 1974, Rev. Patol. Trop., v. 3 (2), 153-170
Leishmania donovani, analysis of data from serologic study of persons with confirmed visceral leishmaniasis: electrophoresis, immunoelectrophoresis, counter-immunoelectrophoresis, Ouchterlony immunodiffusion

Immunity, Precipitation
Hydatidosis, human, evaluation of immunoelectrodiffusion test (IED) vs. immunoelectrophoresis and indirect hemagglutination, sensitivity of IED increased and classes of immunoglobulins defined by combining enzymatic labeling with IED resulting in ELIEDA (enzyme-linked immunoelectrodiffusion assay)

Immunity, Precipitation
Schistosoma mansoni, human, use of enzyme-linked-immuno-electro-diffusion-assay (ELIEDA) to study humoral antibodies

Immunity, Precipitation
Pozzuoli, R.; et al., 1976, Recenti Prog. Med., v. 66 (6), 625-638
Echinococcus granulosus, humans, comparative evaluation of immunoserological diagnostic methods, review

Immunity, Precipitation
Toxocara canis, mice, intravital diagnosis of early larva migrants, serological and hematological tests, histopathological changes in tissues, numbers of larvae detected in various internal organs

Immunity, Precipitation
Rajasekariah, G. R.; and Howell, M. J., 1979, J. Parasitol., v. 65 (4), 481-487
Fasciola hepatica, rats, transfer of immunity by serum and cells from infected to naive animals, hematological and precipitating antibody responses of recipients

Immunity, Precipitation
Leishmania donovani, humans, canines, sero-immunological diagnosis, review

Immunity, Precipitation
Schistosoma mansoni, human, double diffusion tests compared in chronic infections, early stage infections, and in normal controls

Immunity, Precipitation
Hydatidosis, human, serodiagnosis (radio-immunoassay, indirect haemagglutination, immunoelectrodiffusion), subclasses of specific anti-hydatid immunoglobulin, detection of circulating immune complexes

Immunity, Precipitation
intestinal parasites, primary school children, prevalence survey using duplicated series of stool examinations by 5 different methods; serologic survey for invasive amoebiasis and schistosomiasis: Nairobi

Immunity, Precipitation
Rodriguez Osorio, M.; et al., 1978, Rev. Iber. Parasitol., v. 38 (3-4), 793-804
Sarcocystis mouleï, caprine, comparative study of 3 diagnostic tests, peptic artificial digestion, immunodiffusion, and indirect immunofluorescence
Immunity, Precipitation

Rotmans, J. P.; 1978, Exper. Parasitol., v. 46 (4), 49-58
Schistosoma mansoni, antigenic characterization of malate dehydrogenase isoenzymes by immunoelectrophoresis, malate dehydrogenase antigens in S. mansoni, S. haematobium, and S. bovis are immunologically indistinguishable, attempted use of these antigens in defined antigen substrate systems, not sensitive enough for immunodiagnosis

Immunity, Precipitation

Schistosoma mansoni, human, 6 serologic tests evaluated by comparing their results with those of sensitive stool examination method, relationship between intensity of infection and sensitivity and specificity of serologic tests: Parcelas de Boqueron, Puerto Rico

Immunity, Precipitation

Saathoff, M.; Kasper, M.; and Demmer, H.; 1978, Deutsche Med. Wchnschr., v. 103 (41), 1606-1608, 1609-1611
Trichinella spiralis, humans, animals, diagnosis, sensitivity and specificity of 4 different serological tests, serologic differentiation from some other helminth infections with which cross-reactions occur

Immunity, Precipitation

Saiz Moreno, L.; et al., 1977, Rev. San. e Hig. Pub., v. 51 (3-4), 341-347
human echinococcosis, immunoelectrophoretic diagnosis, possible desensitizing of patients with precipitating antigens, results hopeful

Immunity, Precipitation

Schistosoma mansoni, humans, immune complexes higher in sub-clinical and hepato-intestinal forms than in hepatosplenic forms, detection by precipitation, radioimmunoassay and complement fixation compared

Immunity, Precipitation

Schistosoma mansoni-infected humans, mice, and rats, use of radioimmunoprecipitation-PEG assay to quantify total circulating schistosome antigens and circulating antigen '4', recommended for clinical studies

Immunity, Precipitation

Sato, Y.; et al., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (4), 209-221
Angiostrongylus cantonensis, human, 7 suspected cases, immunodiagnosis (gel diffusion, immunoelectrophoresis, indirect hemagglutination, skin test), cross-reactions with other helminths observed: Okinawa

Immunity, Precipitation

Schistosoma mansoni, rapid method for precipitation of antigenic fraction from adult worms using immunoelectrophoresis

Immunity, Precipitation

Schistosoma mansoni, extraction of 3 antigens, Trop. S. Med., v. 28 (2), 230-236

Immunity, Precipitation

Sheehan, D. J.; et al., 1979, J. Clin. Microbiol., v. 10 (2), 128-133
Entamoeba histolytica, human, diagnosis, comparison of microscopic, cultural, counterimmunoelectrophoresis, and indirect hemagglutination techniques

Immunity, Precipitation

Schistosoma mansoni, humans, immunodiffusion, hemagglutination, immunofluorescence and eosinophil counts before and after therapy with hycanthone or niridazole

Immunity, Precipitation

human schistosomiasis mansoni, immunofluorescence, passive hemagglutination, and immunodiffusion tests used to detect early antibody increases after hycanthone therapy

Immunity, Precipitation

de Souza, M. do C. M.; and Barbosa, W., 1972, Rev. Patol. Trop., v. 1 (4), 415-419
agents of Crithidia fasciculata, Trypanosoma cruzi and Leishmania brasilienis showed cross-reacting precipitating bands with the antigen of Leptomonas pessoai as demonstrated by the agar gel diffusion technique

Immunity, Precipitation

Strongyloides papillosus, sheep, complement fixing and precipitating antibodies after infection and re-infections

Immunity, Precipitation

Schistosoma mansoni, S. haematobium, humans, evaluation of seroimmunologic techniques (indirect fluorescent antibody, complement fixation and counter-current immunoelectrophoresis) for diagnosis; cross reactions were consistently present so that it was not possible to differentiate between the parasites: Nigeria

Immunity, Precipitation

Todorov, T.; and Jeleva, R., 1979, Tropenmed. u. Parasitol., v. 30 (2), 182-188
echinococcosis, humans, demonstration of precipitating antibodies using a counter immunoelectrophoresis and antigen prepared from hydatid fluid from sheep liver cysts

Immunity, Precipitation

Echinococcus granulosus, mice (exper.), kinetics of serological response, immunoelectrophoresis, double diffusion, latex agglutination, and passive hemagglutination
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gambian and rhodesian sleeping sickness, humans, serological and parasitological diagnostic methods, review

Immunity, Precipitation
Varela-Díaz, V. M.; et al., 1977, Ztschr. Parasitenk., v. 53 (2), 185-199
Echinococcus multilocularis, Alaskan and Swiss patients with surgically confirmed cases, sera reveal E. granulosus diagnostic arc 5 in immunoelectrophoresis test, suggests that test based on arc 5 positivity is not E. granulosus-specific as originally described

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Immunity, Precipitation
Parkinsoniosis caused by Ascaris suum in pigs, sera reveal antigenic identity with human Ascaris suum, evaluation of 5 antigens prepared by different methods of fractionation (agar-gel precipitation, immuno-electrophoresis, complement fixation, and ring precipitation tests), chromatography and chemical analysis of different antigens

Immunity, Precipitation
Encephalitozoon cuniculi, rabbits, humoral immune response following different routes of infection, infection, indirect immuno-fluorescent antibody test, indirect immunofluorescent antibody test, and immunodiffusion test, immunoglobulin classes involved, possible use of results in eradication program

Immunity, Precipitation
Naegleria fowleri, variants in Australian strains, immunoelectrophoretic analysis shows them to have antigenic identity with human stains causing meningoencephalitis in other parts of world

Immunity, Precipitation
Echinococcus granulosus, human pulmonary hydatid cysts, immunoelectrophoresis evaluated for diagnosis

Immunity, Precipitation
Schistosomiasis japonica, human, plasma circunovial precipitin test proposed as basic diagnostic tool for epidemiologic studies: Philippines

Immunity, Precipitation
Schistosoma japonicum, humans, diagnosis, comparative evaluation of quantitative stool examination vs. circumovial precipitin test using serum or eluate from blood dried on filter paper: Barrio San Antonio, Basey, Samar, Philippines

Immunity, Precipitation
Zapart, W., 1970, Acta Parasitol. Polon., v. 18 (1-12), 7-23
Ascaris suum, guinea pigs, rabbits, complement fixation test, ring precipitation test, comparison of results using whole antigen vs. antigens fractionated by 2 different methods

Immunity, Precipitation
Toxocara canis, laboratory mice, diagnosis by ring precipitation and latex agglutination; hematological changes

Immunity, Precipitation
Toxocara canis, laboratory mice, diagnosis by ring precipitation and latex agglutination; hematological changes

Immunity, Precipitation
Ascaris suum and Toxocara canis, rabbits and Rhesus monkeys, diagnosis using T. canis antigen for complement fixation, passive haemagglutination, and immunodiffusion tests, extensive cross-reactivity

Immunity, Premunition
Haemoproteus columbae in Columba livia (exper.), course of infection, relapse, and immunity to reinfection

Immunity, Premunition
Haemonchus contortus, lambs, primary infection with less pathogenic isolate, second infection with more pathogenic isolate, interactions of 2 populations, effect on hosts, results demonstrate degree of premunition
Subject Headings

Immunity, Premunition
Eling, W., 1978, Tropenmed. u. Parasitol., v. 29 (1), 77-84
Plasmodium berghei, mice, fading of immunity

Immunity, Premunition
Plasmodium berghei-mouse model, immunization with living parasite as antigen, survival of parasites in immunized hosts, immunity and premunition, speculations on malaria immunity in man, symposium presentation

Immunity, Premunition
Toxoplasma gondii, mice, reversal of effect of cyclophosphamide by passive immunization, data indicate that antibody plays important role in establishing infection-immunity (premunition) in this system

Immunity, Premunition
Anaplasma marginale, response of calves inoculated with 3 different doses of attenuated A. marginale vaccine and subsequently challenged with a virulent strain; effects of field challenge exposure in calves inoculated with Anaplasma vaccine and premunized with both Babesia bigemina and B. argentina: Colombia

Immunity, Radioimmunoassay
Trypanosoma gambiense, humans, T. brucei, rats, immune complexes, characterization by radioimmunosorbent precipitation

Immunity, Radioimmunoassay
Hillyer, G. V.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (4), 601-609
Schistosoma mansoni, sera from infected persons, immunodiagnosis, comparison of enzyme-linked immunosorbent assay, radioimmunoassay and precipitation tests performed with antigens from eggs

Immunity, Radioimmunoassay
Mesocestoides corti, mice, development of sensitive and specific prototype immunodiagnostic reagent based on use of an anti-parasite hybridoma antibody

Immunity, Radioimmunoassay
Miyamoto, T.; et al., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (4), 220-226
Schistosoma japonicum, humans, total IgE by single radial immunodiffusion method, specific IgE by radioallergosorbent test, threshold values of skin tests: Yamashiki Prefecture

Immunity, Radioimmunoassay
Ascaris lumbricoides (var. suum), humans, mice, allergens investigated using radioallergosorbent test and passive cutaneous anaphylaxis test, cross-reactions with other helminths, some biochemical and immunobiological properties of allergens

Immunity, Radioimmunoassay
Necator americanus, man (exper.), evaluation of antibody responses by enzyme-linked immunosorbent assay and by radio-allergosorbent technique

Immunity, Radioimmunoassay
Pozzuoli, R.; et al., 1976, Recent Prog. Med., v. 60 (6), 625-638
Echinococcus granulosus, humans, comparative evaluation of immunoserological diagnostic methods, review

Immunity, Radioimmunoassay
Hydatidosis, human, serodiagnosis (radioimmunoassay, indirect haemagglutination, immuno-electrodiffusion), subclasses of specific anti-hydatid immunoglobulin, detection of circulating immune complexes

Immunity, Radioimmunoassay
Schistosoma mansoni, humans, immune complexes higher in sub-clinical and hepato-intestinal forms than in hepatosplenic forms, detection by precipitation, radioimmunoassay and complement fixation compared

Immunity, Radioimmunoassay
Schistosoma mansoni-infected humans, mice, and rats, use of radioimmunoprecipitation-PEG assay to quantify total circulating schistosome antigens and circulating antigen 'A', recommended for clinical studies

Immunity, Radioimmunoassay
Sinski, E.; and Holmes, P. H., 1978, J. Parasitol., v. 64 (1), 189-191
Nippostrongylus brasiliensis, radioimmunoassay to measure local and circulating specific IgG and IgA antibody responses in rats

Immunity, Radioimmunoassay
Skrome-Kadlubik, G.; et al., 1978, Medicina, Mexico (1228), am. 58, v. 58, 1-4
Onchocerca volvulus, rabbits, possible diagnosis and treatment of onchocercal using 125I-labelled antibodies

Immunity, Radioimmunoassay
Suzuki, T.; et al., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (1), 17-23
Anisakis, analysis of criteria on intradermal and indirect hemagglutination tests by radioimmunoassay

Immunity, Skin tests
Echinococcosis, cattle, swine, diagnosis by latex agglutination, immunodiffusion, and Casoni skin test compared
Immunity, Skin tests
Giardia lamblia, technique for the preparation of antigen extract from trophozoites and cysts, study of immunoallergic characteristics in experimental animals and normal human controls

Immunity, Skin tests
Toxoplasma gondii, chlorodinitrobenzene skin test for diagnosis of acquired lymphatic toxoplasmosis

Immunity, Skin tests
Amin-Zaki, L.; Al-Saffar, G.; and Al-Aswad, M., 1979, Experi- menta, v. 35 (10), 1395-1397
Schistosoma mansoni, study of possible influence of antigen source (mouse, human) on diagnostic skin test reactions; skin reactions smaller when human antigen used, persons with allergic conditions had larger reactions

Immunity, Skin tests
Toxoplasma gondii, human, control reagent prepared from mouse peritoneal exudate used for toxoplasmin diagnostic skin test, comparison with the more commonly employed reagent of mouse spleen extract; study of 50 persons thought to have toxoplasmosis showed the new reagent to be equally reactive with some advantages over the spleen extract

Immunity, Skin tests
Chen, S. N.; et al., 1974, Taiwan I Haueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 73 (8), 411-416
Angiostrongylus cantonensis, prevalence survey using purified whole worm skin test antigen, epidemiologic observations: Taiwan

Immunity, Skin tests
Angiostrongylus cantonensis, rats (exper.) humoral and cell-mediated immune responses to somatic and metabolic antigens analyzed using hemagglutination, macrophage migration inhibition, and cutaneous hypersensitivity tests

Immunity, Skin tests
S. haematobium, S. mansoni and mixed infections, humans, immediate skin test reactions to Schistosoma antigen

Immunity, Skin tests
Schistosoma mansoni, S. haematobium, humans, delayed skin test reactions to S. mansoni antigen were increased with host age and severity of infections and were more frequent in males, correlations with immediate skin test reactions

Immunity, Skin tests
Schistosoma mansoni antigens purified, evaluated for skin test use by trials in S. mansoni areas of Ethiopia, Rhodesia, and Brazil and in S. haematobium areas of Sierra Leone; comparisons with WHO standard antigen and stool examinations

Immunity, Skin tests
Immuno-allergic survey, humans, antigens employed included schistosomin and leishmanin: Estado de Amazonas
Subject Headings

Immunity, Skin tests
Kala-azar, humans, extensive epidemiologic survey using the leishmanin skin test: south-west Ethiopia

Immunity, Skin tests
echinococcosis, renal infections in children, pathology, diagnosis, usefulness and limitations of Casoni skin test and serological tests: South Africa

Immunity, Skin tests
Fasciola hepatica, cattle, allergic diagnosis by intradermal inoculation of lyophilized somatic antigen

Immunity, Skin tests
Onchocerca volvulus microfilarial antigen skin test, useful in diagnosis and as epidemiological tool to assess effectiveness of control programs: Guatemala

Immunity, Skin tests
Schistosoma mansoni, human, intradermal test, limitations as an epidemiologic tool: Puerto Rico

Immunity, Skin tests
Echinococcus granulosus, humans, evaluation of indirect hemagglutination and immediate intradermal tests, diagnosis

Immunity, Skin tests
Ascaridia galli, development of precipitins in hyperimmunized rabbits, precipitation and intradermal tests in infected chicks gave negative results

Immunity, Skin tests
Kitani, K.; Miura, R.; and Iuchi, M., 1979, Tohoku J. Exp. Med., V. 127 (2), 151-156
Schistosoma japonicum, humans with chronic infections, skin tests with S. mansoni and S. japonicum antigens both gave high degree of positive results indicating definite cross-reactivity

Immunity, Skin tests
Flea allergy in dogs and cats, intradermal test with whole extract of Ctenocephalides felis; test evaluation procedure

Immunity, Skin tests
Myocoptes musculinus, mice, positive skin test to mite antigens, kinetics of IgE antibody response to mite antigens, mast cell degranulation by mite extract

Immunity, Skin tests
Human echinococcosis, comparison of diagnostic results obtained using immunoelectrophoresis and Casoni intradermal tests in patients where presence of cysts was later confirmed at surgery; immunoelectrophoresis test gave the better results but neither test was recommended for use

Immunity, Skin tests
Schistosoma mansoni, skin tests of population to ascertain incidence of parasitic infection in Rio Grande do Sul, Brazil

Immunity, Skin tests
Human cysticercosis, description of new antigen used for a cutaneous diagnostic test, antigen is considered specific, sensitive and easy to use, suggested as test of choice for epidemiologic studies

Immunity, Skin tests
Leishmania brasiliensis, patients before and after antimonials treatment, diagnosis, Montenegro's test using aqueous and polysaccharide antigens

Immunity, Skin tests
Leishmania braziliensis, humans cured with glucantime, 52% negative reactions to Montenegro's intradermal test, possible immunological implications

Immunity, Skin tests
cutaneous leishmaniasis, human, standardization of Montenegro antigen for intradermal diagnostic test

Immunity, Skin tests
Miyamoto, T.; et al., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), V. 24 (4), 220-226
Schistosoma japonicum, humans, total IgE by single radial immunodiffusion method, specific IgE by radioallergosorbent test, threshold values of skin tests: Yamanashi Prefecture

Immunity, Skin tests
Nishino, C., 1977, Sapporo Igaku Zasshi (Sapporo Med. J.), V. 46 (2), 73-88
Anisakisis, humans, epidemiologic survey, comparison of skin test, indirect hemagglutination, and serum IgE levels in randomly selected local inhabitants and in patients with anisakiasis, higher positive rates in workers in fishing industries than in those in farming industries: Hokkaido

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Immunity, Skin tests
Tewari, H. C.; Raviprakash, V.; and Sabir, M., 1978, Indian J. Physiol. and Pharmacol., v. 22 (3), 521-523
Dictyocaulus filaria, vascular permeability, increasing action of worm extract in both infected and uninfected sheep and in uninfected rabbits partially due to histamine release, cutaneous hypersensitivity reaction may not provide reliable test for routine diagnosis

Immunity, Skin tests
Toxoplasma gondii, naval recruits, comparative evaluation of the Sabin-Feldman dye test and the toxoplasmin cutaneous test (TCT) to evaluate usefulness of the TCT for epidemiologic research: Norway

Immunity, Skin tests
Toxoplasma gondii, prevalence of positive toxoplasmin reactions among naval recruits from all parts of Norway

Immunity, Skin tests
Toxoplasma gondii, frequency of positive toxoplasmin cutaneous test studied in young males, neither keeping of domestic animals or bite by animal altered frequency of positive tests: Norway

Immunity, Skin tests
Helminthiasis, humans, value and limitations of hypersensitivity reactions for diagnosis, review

Immunity, Skin tests
Toxocara canis and Ascaris suum infections compared, rabbits, monkeys, description of infection, haematological response, serum proteins, skin test with T. canis antigen

Immunity, Transfer factor. See Immunity, Passive.

Immunity, Vaccination. See Immunization.

Immunization. [See also Immunity, Passive]

Immunization
Agrawal, M. C.; Sahasrabudhe, V. K.; and Gehlot, K., 1979, Indian Vet. J., v. 56 (8), 682-685
mice, immunization against Schistosoma in- cognitum by administration of cercariae of S. indicum

Immunization
Trypanosoma gambiense, T. brucei, rats, induction of high level of immunity by administration of Freund's complete adjuvant a week before infection followed by cure with berenil

Immunization
Alexander, J.; and Phillips, R. S., 1978, Exper. Parasitol., v. 45 (1), 93-100
Leishmania tropica major and L. mexicana, cross-immunity in mice, first reported observation of less virulent Leishmania species being able to confer immunity against a more virulent species

Immunization
Dictyocaulus filaria, lambs given irradiated vaccine or non-irradiated larvae, serum protein changes

Immunization
Dermacentor andersoni, immunization of guinea pigs and cattle against ticks

Immunization
Trypanosoma cruzi, mice with chronic infection with Colombian strain, inoculation with virulent Y strain, results demonstrate that chronic infection produces partial immunity and that co-existence of parasite strains is possible

Immunization
Ansari, M. Z.; and Singh, K. S., 1978, J. Helminth., v. 52 (4), 287-290
Gagierea pachyceles, lambs, vaccination with gamma-radiation-attenuated larvae stimulated development of resistance to subsequent challenge of 5000 non-irradiated larvae

Immunization
Schistosoma mansoni, influence of gamma radiation on egg hatching, penetration power and development of miracidia in Biomphalaria glabrata, attempted immunization of snails with irradiated miracidia was unsuccessful

Immunization
Trypanosoma cruzi, mice, exoantigens, time of appearance, failure to enhance infection, protective effect in immunization

Immunization
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Taenia taeniatiformis, rats, immunization, influence of antigen source, route of administration, and adjuvant selection on efficacy, mechanism of resistance in vaccinated animals is different from that which develops following infection

Immunization
Bell, R. G.; and McGregor, D. D., 1979, Exper. Parasitol., v. 48 (1), 42-50
Trichinella spiralis, rats exposed to abbreviated enteral infection, induction and expression of rapid expulsion response to challenge infection

Immunization
Strongyloides papillosus, sheep, severity of infection in relation to dose of larvae and physical condition of host, animals challenged (6 months after initial infection) with lethal dose showed some degree of protection

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Immunization
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Immunization
Ancylostoma caninum, mice, different groups infected with various single or repeated doses of larvae, larval recoveries from various organs and muscle regions of animals belonging to immunized and unimmunized groups

Immunization
Bickle, Q. D., 1979, Parasitology, v. 79 (2), 209-222
Schistosoma mansoni, mice, immunization with gamma-irradiated schistosomula, effect of radiation dose, route of injection, and several other parameters

Immunization
Bickle, Q. D.; et al., 1979, Parasitology, v. 78 (2), 185-193
Schistosoma mattheei, sheep, duration of resistance following homologous vaccination with irradiated schistosomula; heterologous vaccination with Schistosoma mattheei against challenge with S. bovis and with S. mansoni against S. mattheei failed to induce protection

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Immunization
Schistosoma mansoni, resistance induced in mice immunized with cryopreserved unirradiated or irradiated schistosomula

Immunization
Blagburn, B. L.; Chobotar, B.; and Smith, R. T., 1979, Ztschr. Parasitenk., v. 59 (1), 1-14
Eimeria ferrisi in Mus musculus, clinical and histologic study of actively induced resistance

Immunization
Bomford, R.; and McHardy, N., 1979, Parasitology, v. 78 (1), 77-87
Trypanosoma cruzi, comparative efficacy of adjuvants for epimastigote vaccines (Corynebacterium parvum, saponin, Bordetella pertussis)

Immunization
Bout, D.; et al., 1978, Immunochimistry, v. 15 (9), 633-638
Schistosoma mansoni, malate dehydrogenase (MDH), purification, immunochemoical and biological characterization, mice immunized with purified MDH exhibited significant decrease of worm burden

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Bushara, H. O.; et al., 1978, Parasitology, v. 77 (3), 305-311
Schistosoma bovis, calves, immunization using irradiated cercariae or schistosomula

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Buslaev, V. M., 1978, Veterinariia, Moskva (4), 72-74
Dictyocaulus filaria, sheep, immunization with antigens from Aphelenchus avenae or Neoaplectana glaseri

Immunization
Plasmodium knowlesi, Macaca mulatta, antibody-mediated mechanisms associated with sterilizing immunity induced by merozoite vaccination, role of Freund's complete adjuvant

Immunization
Campbell, N. J.; et al., 1978, Vet. Parasitol., v. 4 (2), 143-152
Fasciola hepatica, failure to induce homologous immunity in sheep vaccinated with irradiated metacercariae

Immunization
Taenia taeniaeformis, Fasciola hepatica, rats, homologous resistance and cross resistance

Immunization
Carter, R.; Gwadz, R. W.; and Green, I., 1979, Exper. Parasitol., v. 47 (2), 194-208
Plasmodium gallinaceum, chickens, comparative effectiveness of gametocyte- and gamete-containing preparations in inducing transmission-blocking immunity

Immunization
Strongyloides avium, chickens immunized with irradiated larvae, worms recovered from vaccinated chickens had underdeveloped genital apparatus and no eggs were seen developing in uteri

Subject headings
malaria, prospects for immunization, review

Immunization
Chhabra, M. B.; Mahajan, R. C.; and Ganguly, N. K., 1979, Haryana Agric. Univ. J. Research, v. 9 (1), 59-62
Toxoplasma gondii, mice (exp.), value of double vaccination by irradiated tachyzoites

Immunization
Toxoplasma gondii, mice, immunization, 60Co irradiation, degree and duration of protection

Immunization
Trypanosoma cruzi, behavior of 3 culture forms (PF, PFII, and MR,) tested in mice and triatomids, pathologic changes observed with all 3 forms, living vaccines or 'attenuated' culture forms not recommended for control programs

Immunization
Christie, M. G.; et al., 1978, J. Comp. Path., v. 88 (2), 157-165
Haemonchus contortus, fistulated or non-fistulated sheep, acquired resistance to repeated daily doses of 10,000 infective larvae, no association of resistant state with raised abomasal pH, histology of mucosa after prolonged exposure

Immunization
Schistosoma mansoni, mice, non-specific resistance induced by bacille Calmette-Guerin, variables associated with source and strain of BCG, dose, route, and timing of mycobacterial administration, and duration of protection

Immunization
Clark, I. A., 1979, Infect. and Immun., v. 24 (2), 319-325
Babesia spp., Plasmodium vinckei petteri, mice, protection conferred by pretreatment with extract of Coxiella burnetii, possible involvement of interferon or tumor necrosis factor

Immunization
Clegg, J. A.; and Smith, M. A., 1978, Advances Parasitol., v. 16, 165-218
prospects for development of dead vaccines against helminths, review

Immunization
malaria, mechanisms of acquired immunity to erythrocytic stage, symposium presentation

Immunization
immunity to malaria with emphasis on vaccination, review lecture

Immunization
malaria, prospects for immunization, review
Immunization
Plasmodium fragile in Macaca mulatta as model system for study of malarial vaccines

Immunization
 Babesia bigemina- and B. bovis-immunized Ros taurus calves transported to lowland tropics, exposed to heavy vs. light Boophilus microplus infestation, resulting B. bigemina, and B. bovis parasitemias, mortality, weight loss, and anemia: Caribbean Coast, Colombia

Immunization
Plasmodium berghei and P. yoelii-vaccinated mice, manifestations of cell-mediated immunity

Immunization
specific and nonspecific immunization against parasitic infections, review

Immunization
Davies, C.; et al., 1979, Research Vet. Sc., v. 26 (2), 259-260
Fasciola hepatica, unsuccessful attempts to immunise rats using in vitro culture antigens from newly excysted metacercariae

Immunization
Nippostrongylus brasiliensis vs. Nemato spiroidea dubius, several features of intestinal stages in mice, complexity of worm excretory/secretory (ES) products and efficacy in induction of resistance, comparison of ES products with respect to in vitro T and B cell mitogenicity, capacity to induce and/or elicit delayed type hypersensitivity responses, and capacity to induce reaginic and precipitating antibody responses

Immunization
Schistosoma mansoni, mice receiving unisexual primary infection did not develop detectable resistance to reinfection, mice receiving bisexual primary infection developed high degree of resistance

Immunization
Schistosoma mansoni, mice, resistance to secondary infection, evidence for correlation between egg deposition and worm elimination

Immunization
Dhar, D. N.; and Sharma, R. L., 1978, Indian J. Animal Sc., v. 48 (10), 762-764
Dictyocaulus filaria, goats, immunological response to vaccination with radiation-attenuated vaccine

Immunization
Dictyocaulus filaria, lambs (exper.), impact of different quanta of single infections on length of prepatent period, onset of useful patency, larval production in faeces, clinical symptoms, and worm establishment in lungs; concluded that dose of 150 larvae per kg is most suitable for establishment of infection in lambs for vaccine production

Immunization
Ascaridia galli, immunization of normal chickens and chickens with avitaminosis A, mucopolysaccharide content in tissues compared with unimmunized controls

Immunization
Trichostrongylus colubriformis, colostrum-fed vs.colostrum-deprived lambs, vaccination with irradiated larvae at weaning, results do not support proposition that feedback inhibition mediated by maternal antibody may suppress response, however lambs segregated into 'responders' and 'non-responders' suggesting that genetically determined factors play important role in responsiveness of lambs, globule leucocytes may be involved in resistance mechanism but probably not eosinophils or neutrophils

Immunization
Fasciola hepatica, nature and characteristics of cross protection produced in sheep by infection with Cysticercus tenuicollis, mechanism unknown, may be immunological

Immunization
Doenhoff, M.; et al., 1978, J. Helminth., v. 52 (3), 173-186
Schistosoma mansoni, mice, demonstration of resistance to reinfection using model system that involves perfusion of animals within 3 weeks of challenge at which time challenge-derived organisms are morphologically distinguishable from those of the primary infection which induced the resistance, comparison with more widely used assays

Immunization
Echinostoma audyi, Hypoderaeum dingeri, unsuccessful attempts to induce acquired resistance in Lymnaea rubiginosa using irradiated miracidia, amebocytic response to irradiated parasites was slow, no obvious enlargement of amebocyte-producing organ, no resistance to homologous challenge; development of acquired resistance may be related to speed with which snails destroy irradiated sporocysts
Immunization
Doy, T. G.; Hughes, D. L.; and Harness, E., 1978, Research Vet. Sc., v. 25 (1), 41-44
Fasciola hepatica, rats, 3-week-old initial infection results in high degree of immunity to subsequent challenge, this resistance could be detected within 48 h of challenge and was a true immunity and not an alteration in migratory behavior, eosinophils were prevalent in lamina propria of small intestine and increased markedly after challenge

Immunization
Toxoplasma gondii, chronically infected cats re-excreted T. gondii oocysts after superinfection with Isospora felis, this re-excretion was prevented in cats infected with I. felis before T. gondii infection, administration of BCG before Toxoplasma infection had no apparent effect on outcome of infection

Immunization
Hammondia hammondi, Besnoitia jellisoni, Toxoplasma gondii, BCG, comparison of cross-protection in hamsters

Immunization
Haemonchus contortus, sheep, vaccination protected against challenge and was associated with raised levels of abomasal mucus IgA and serum IgG antibodies in adults but lambs were not protected and did not have raised levels of these antibodies, possible implications for immune unresponsiveness of lambs

Immunization
Eling, W., 1978, Tropenmed. u. Parasitol., v. 29 (2), 204-209
Plasmodium berghei-immunized mice, parasite survival in relation to time and host strain

Immunization
Plasmodium berghei-mouse model, immunization with living parasite as antigen, survival of parasites in immunized hosts, immunity and premunition, speculations on malaria immunity in man, symposium presentation

Immunization
Schistosoma mansoni, in vitro derived schistosomula attenuated by x-irradiation, infectivity and immunizing potential, mice

Immunization
Trypanosoma rhodesiense-immunized mice, delayed-type hypersensitivity elicited, results suggest that T-cell activation was necessary component in protective response

Immunization
Toxoplasma gondii, Besnoitia jellisoni, Listeria, and virus infections in mice and hamsters, challenge with homologous and heterologous species, components of specific immunity and nonspecific resistance

Immunization
Friedberg, W.; et al., 1979, J. Parasititol., v. 65 (1), 61-64
Hymenolepis nana, intestinal tissue phase in actively immunized mice, histopathology of reaction is consistent with that of humoral immunity

Immunization
Trypanosoma gambiense, mice, immunogenic (protective) activity of antigens prepared from nontreated and trypsin-pretreated living parasites, immune responses in mice immunized with subcellular components of parasites

Immunization
Ghadirian, E.; and Meervitch, E., 1978, J. Parasitol., v. 64 (4), 742-743
Entamoeba histolytica, hamsters, intradermal vaccination with live axenic amebae, indirect hemagglutination antibody titers, protection against development of hepatic abscesses upon challenge

Immunization
Ghandour, A. M.; and Magid, M. A., 1978, J. Helminth., v. 52 (4), 303-304
Schistosoma mansoni, mice, immunization with ultra-violet irradiated cercariae

Immunization
Trypanosoma evansi, mice treated with suramin for patent infection developed partial and transient immunity against weak but not heavy challenge infection, poor grade immunity was ascribed to weakness of trypanosome antigen

Immunization
Gill, B. S.; et al., 1978, Internat. J. Parasitol., v. 8 (6), 467-469
Theileria annulata, calves, immunization by treating tick (Hyalomma anatolicum anatolicum) stablate-induced infections with 1 or 2 doses of long-acting oxytetracycline vs. 8 doses of chlorotetracycline

Immunization
Goldman, M.; and Pipano, E., 1978, Tropenmed. u. Parasitol., v. 29 (1), 85-87
Theileria annulata, specific IgM and IgG antibodies detected in immunized or infected cattle
Immunization
Plasmodium berghei, immunization of chloroquine-resistant rats against sporozoites by bites of infected mosquitoes: influence of number of exposures to infected mosquitoes on antibody titers and protection; influence of exposure to different numbers of infective mosquitoes on antibody production and protection; specificity of antiplasmodial antibodies; influence of passive transfer of sera from rats immune to sporozoites or erythrocytic forms on development of sporozoites, symposium presentation

Immunization
Goven, A. J.; and De Buysscher, E. V., [1979], J. Parasitol., v. 64 (6), 1978, 1142-1145
Trichinella spiralis, mice, immunization by footpad injection of crude larval extract combined with Freund's complete adjuvant or incorporated in double emulsion, latter is preparation of choice

Immunization
summing-up of symposium on immunology and immunopathology of malaria

Immunization
Gregg, P.; et al., 1978, Vet. Parasitol., v. 4 (1), 35-48
Trichostrongylus colubriformis, response to vaccination of lambs aged 3 months compared to sheep aged 10 months, cause of relative unresponsiveness of lambs not known

Immunization
Gregg, P.; and Dineen, J. K., 1978, Vet. Parasitol., v. 4 (1), 49-53
Trichostrongylus colubriformis, response of sheep vaccinated with irradiated larvae to impulse and sequential challenge with normal larvae either superimposed upon immunizing infection or given after removal of vaccine worms with anthelmintic, protection seen in all cases

Immunization
Plasmodium knowlesi, rhesus monkeys, vaccine effective against both sexual and asexual stages

Immunization
Halawani, A. A.; Farag, H. F.; and Awadalla, H. N., 1977, Tropenmed. u. Parasitol., v. 28 (4), 478-480
Schistosoma haematobium-infected mice challenged with S. mansoni, changes in egg-distribution sites, cross-mating, complete absence of cross-immunity

Immunization
Plasmodium berghei, IgM and IgG antisporozoite antibodies in mice immunized with irradiation-attenuated sporozoites, detection by indirect fluorescent antibody rest, correlation with protection, some cross-reaction with blood stage antigens but test should still prove useful

Immunization
Theileria annulata, 3 strains of varying virulence, calves (exper.), primary infections with different doses, parasitological findings, host temperature, resistance to challenge with homologous and heterologous strains

Immunization
Eimeria tenella, chickens, immunization with gamma-irradiated oocysts

Immunization
Taenia hydatigena, neonatal lambs, subcutaneous injection of viable eggs induced 100% protection against development of viable larvae from oral challenge but no protection against simultaneous infection with eggs of Taenia ovis and Echinococcus granulosus, maternally derived immunity was not enhanced by hyperimmunization of ewe but did not interfere with development of protection in immunized lambs, lesion regressed rapidly after treatment of lambs with mebendazole

Immunization
Heath, D. D.; et al., 1979, Parasitology, v. 79 (2), 177-182
Taenia ovis, duration of passive protection in lambs from immunized ewes

Immunization
Taenia pisiformis, rabbits, immunity to reinfection with larvae results from initial infection, may last for 12 months or more, and is not dependent on continued survival of initial infection

Immunization
Trichostrongylus axei, calves, immunization failed to result in significant resistance, similar results with Ostertagia ostertagi but strong resistance to reinfection with Haemonchus contortus developed

Immunization
Trichostrongylus axei, calves given low-degree long-term daily immunizing inoculations, infection kinetics, response to challenge exposure
Immunization
- gastrointestinal nematodes, cattle, immunization trials with in vitro-grown larvae or exoantigens, no treatment provided immunity to subsequent oral challenge exposure with normal infective larvae

Immunization
Heumann, A. M.; et al., 1979, Infect. and Immun., v. 24 (3), 829-836
- Prasmodium berghei, high and low antibody responder lines of mice and their interline hybrids, antibody response induced by vaccination with irradiated parasitized erythrocytes, innate resistance and protective efficacy of vaccination, results indicate vaccination-induced immunity is essentially due to antibody response

Immunization
Hillyer, G. V., 1979, Exper. Parasitol., v. 48 (2), 287-295
- Fasciola hepatica, complexity of adult worm antigens, cross-reactivity with sera to Schistosoma mansoni and Schistosoma japonicum, presence of one common antigen between the two genera, protection of mice immunized with Fasciola hepatica antigens to challenge exposure with Schistosoma mansoni cercariae

Immunization
- Fasciola hepatica antigens which induce cross-protection against Schistosoma mansoni, isolation by concanavalin A affinity chromatography, properties

Immunization
Howell, M. J., 1979, J. Parasitol., v. 65 (5), 817-819
- Fasciola hepatica, rats, vaccination with precipitated antigen-antibody complex recovered from cultures of metacercariae in immune rat serum and emulsified with Freund's complete adjuvant

Immunization
Howell, M. J.; and Sandeman, R. M., 1979, Internat. J. Parasitol., v. 9 (1), 41-45
- Fasciola hepatica, precipitate which forms when metacercariae are cultured in immune rat serum is a complex of parasite metabolic antigen and rat Ig (possibly IgG), vaccination of rats with precipitate in PCA confers significant degree of protection

Immunization
Hsu, S. Y. L.; et al., 1979, Ztschr. Parasitenk., v. 59 (3), 235-243
- Schistosoma mansoni, mice immunized with highly X-irradiated cercariae, lung recovery assay not suitable for measuring state of immunity in challenged mice

Immunization
- Babesia, Theileria, radiation and isotopic techniques in study and control of piroplasms of cattle, review

Immunization
- Hymenolepis nana, mice immunized with initial egg inoculation become resistant not only to egg but also to mouse-derived cysticeroid challenge, cortisone acetate suppresses immune response against the cysts, a few of egg-derived tapeworms can survive 6 or more months in some of the immunized mice

Immunization
- Hymenolepis nana, inoculation with different doses of shell-free eggs, protective immunity, stage at which protection occurred

Immunization
- Hymenolepis nana, mice, primary infection with mouse-derived cysticeroids prepared from baby or adult mice did not make hosts immune to egg or cyst challenge whereas rapid protective immunity against egg challenge was acquired by inoculation with eggs, time course of cyst differentiation in baby mice was not different from that in adult mice

Immunization
Jagdish, S.; et al., 1979, Vet. Rec., v. 104 (7), 140-142
- Theileria annulata, immunising infection in calves by injecting ground up infected Hyalomma anatolicum anatolicum supernate, severity of reactions in rolitetracycline-treated vs. non-treated calves compared, adequate protection, durable immunity to subsequent severe homologous challenge

Immunization
Johnson, J.; Reid, W. M.; and Jeffers, T. K., 1979, Poultry Science, v. 58 (1), 37-41
- Eimeria tenella, chickens, floor-pen experiments comparing immunogenicity of 2 non-pathogenic parasite strains with control strain used in a commercial planned immunization program, strain Wis-F-125 gave flock immunity equivalent to control strain
Immunization

Toxoplasma gondii, alterations in mice infected with toxoplasmas attenuated in virulence, effects of antibodies to Toxoplasma on survival and growth of these organisms in vitro, multiplication of toxoplasmas within macrophages from normal and immunized mice, requirements for lymphocytes and for Toxoplasma antigen for induction in macrophages of ability to suppress Toxoplasma multiplication and variation in these requirements with time after immunization, further characterization of lymphocyte-antigen effect on macrophages, effects on Toxoplasma multiplication in macrophages of supernates of immune lymphocyte-Toxoplasma antigen interactions

Immunization

Kaliraj, P.; et al., 1978, Indian J. Exper. Biol., v. 16 (9), 994-995
Wuchereria bancrofti, rabbits, immunization with whole and soluble microfilarial (mf) antigens, analysis of rabbit anti-mf sera by agar gel diffusion, possible use of rabbit anti-mf sera in detection of circulating filarial antigen in human filarial cases

Immunization

Schistosoma mansoni, school children previously treated with oxamniquine, vaccination with bacillus Calmette-Guérin (BCG) did not control reinfestation of residents of endemic areas: State of Minas Gerais, Brazil

Immunization

Babesia ovis, effect of ionizing radiation on virulence and immunogenic properties

Immunization

Kierszenbaum, F.; and Ferraresi, R. W., 1979, Infect. and Immun., v. 25 (1), 273-278
Trypanosoma cruzi, mice, enhancement of resistance against infection by the immunoregulatory agent muramyl dipeptide

Immunization

Kilejian, A., 1978, Science (4559), v. 201, 922-924
Plasmodium lophurae, ducklings, successful immunization with purified and characterized histidine-rich protein as antigen, use of adjuvant is not required for this protective effect and immunity can be passively transferred with serum

Immunization

Kinnamon, K. E.; and Rane, D. S., 1978, Internat. J. Parasitol., v. 8 (6), 515-523
Trypanosoma rhodesiense, mice, greater than 1 year protection from lethal infections by prophylactic drugs and active immunity

Immunization

Babesia ovis, lambs, vaccination with live vaccine

Immunization

Klesius, P. H.; et al., 1979, Clin. Immunol. and Immunopathol., v. 12 (2), 143-149
Eimeria tenella, C57BL/6 mice, effects of immunization and treatment with transfer factor, results suggest this host strain has genetically determined defect in cell-mediated immune response to this infection

Immunization

Komandarev, S.; Dragneva, N.; and Mikhov, L., 1976, Khelmintologiia, Sofia, v. 1, 62-68
Trichinella spiralis larvae, mice immunized with tissues (spleen, liver, muscles, erythrocytes, and serum) of guinea pig donors, lowest infection values observed in mice immunized with guinea pig muscles

Immunization

Kondo, K.; et al., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (5), 371-376
Toxocara canis, mice, resistance after sensitization and challenge with eggs, numbers of larvae recovered from various organs

Immunization

Fasciola hepatica, rats immunized with Galba truncatula or Lymnaea tomentosa antigens, subsequently infected with metacercariae from same or different snail species, intensity of infection, liver anatomopathological changes, parasite adaptation to snails discussed

Immunization

Toxoplasma gondii, rabbits treated with 2-sulfamonyl-4,4'-diamino diphenylsulphone, determination of minimum curative dose, haemagglutinating antibody response in primary and challenge infection, immunity to challenge infection, schedule for raising high titre serum

Immunization

Langhorne, J.; and Cohen, S., 1979, Parasitology, v. 78 (4), 67-76
Plasmodium knowlesi in Callithrix jacchus investigated as possible model for immunological studies, course of infection, differential susceptibility, resistance to challenge infection

Immunization

Trypanosoma cruzi, mice, T. lewisi antigen protected against infection but antigen fractions did not

Immunization

Eimeria maxima, chickens, single sporocyst infections give rise to infective oocysts and confer partial protective immunity, results suggest that sporozoites of this species are probably sexually undifferentiated

Immunization

Fasciola hepatica, rats, rabbits, and mice, failure of attempted immunization with metabolic antigens of F. hepatica
Immunization
Lemos, M. V. F.; and Menezes, H., 1978, Tropenmed. u. Parasitol., v. 29 (1), 119-126
Trypanosoma cruzi, development of immune state in mice infected with immune RNA (extracted from spleen of mice immunized with avirulent PF strain), partial protective effect against virulent Y strain

Immunization
Ascaridia galli-immunized chickens with vitamin A deficiency, lipoprotein and glycoprotein fractions of serum

Immunization
Ascaridia galli-immunized chickens, changes in cholesterol levels in various tissues, probable role of cholesterol, interdependent with vitamin A, in protecting host organism

Immunization
Babesia divergens, splenectomised calves, immunization using irradiated piroplasms

Immunization
Lie, K. J.; and Heyneman, D., 1979, Internat. J. Parasitol., v. 9 (6), 555-557
Echinostoma spp., acquired resistance in 4 Biomphalaria glabrata strains

Immunization
Loker, E. S., 1978, Exper. Parasitol., v. 46 (2), 134-140
Schistosomatum douthitti, effect of irradiating miracidia on their infection of Lymnaea catascopium, results of later challenge with normal miracidia, failure to confer protection

Immunization
Schistosoma mansoni; mice, development of partial resistance against homologous challenge as early as 2 weeks after primary infections of 35 to 75 cercariae, degree of protection increased to apparent maximum by 6 weeks, animals given primary infection of only 25 cercariae required longer period to acquire maximum resistance

Immunization
Long, P. L.; and Millard, B. J., 1979, Avian Path., v. 8 (3), 215-228
Eimeria spp., young chickens kept in litter pens, immunization, response to challenge with homologous and heterologous strains, effect of host age and of immunizing dose, timing of onset of immunity, longevity of immunity

Immunization
Long, P. L.; and Millard, B. J., 1979, Parasitology, v. 78 (1), 41-51
Eimeria dispersa, isolation from turkeys in Britain, life cycle and reproduction, cross-protection against American strain, electrophoretic analysis of enzymes, host specificity studies, in vitro growth studies, gross pathology, pathogenicity, immunogenicity

Immunization
Long, P. L.; and Millard, B. J., 1979, Parasitology, v. 79 (3), 451-457
Eimeria maxima, immunological differences between laboratory strains and field isolates effect of mixed immunizing inoculum on heterologous challenge

Immunization
nematodes, antigenic structure as related to vaccination of animals, review; Nippostron- gyulus brasiliensis, rats, vaccination using live and killed worms

Immunization
McDougald, L. R.; Karlsson, T.; and Reid, W. M., 1979, Avian Dis., v. 23 (4), 999-1005
coccidiosis, chickens (exper.), natural outbreak of infectious bursal disease (IBD) during comparison of anticoccidials for their effect on development of immunity, interaction between diseases, immunity to coccidiosis not blocked by IBD

Immunization
Trypanosoma cruzi, mice, immunization, females were more resistant to challenge infection than males

Immunization
McHardy, N., 1978, Tropenmed. u. Parasitol., v. 29 (2), 215-222
Trypanosoma cruzi, mice, immunization, effect of chemical treatment or immune serum on epimastigote vaccine

Immunization
Trypanosoma cruzi, mice, cross-immunization between 5 parasite strains using freeze-thawed vaccines containing epimastigotes of 1, 2, 3, or 5 strains, all except one of single-strain vaccines gave good protection against both homologous and heterologous challenges, inclusion of more than one strain in vaccine failed to increase protection and in some instances appeared to reduce it

Immunization
Trypanosoma cruzi, mice, immunization with killed antigens, comparison of challenge with bloodstream trypomastigotes from mice vs. metacyclic trypomastigotes from Rhodnius prolixus

Immunization
Maddison, S. E.; et al., 1979, Infect. and Immun., v. 25 (1), 237-248
Schistosoma mansoni, rhesus monkeys, immunization, requirement for activation of both cell-mediated and humoral mechanisms

Immunization
Maddison, S. E.; et al., 1979, Infect. and Immun., v. 25 (1), 249-254
Schistosoma mansoni, cellular and humoral immune responses in Macaca mulatta with multiple chronic and early primary infections

SUBJECT HEADINGS
Eimeria dispersa, isolation from turkeys in Britain, life cycle and reproduction, cross-protection against American strain, electrophoretic analysis of enzymes, host specificity studies, in vitro growth studies, gross pathology, pathogenicity, immunogenicity
Immunization
Maddison, S. E.; et al., [1979], J. Parasitol., v. 64 (6), 1978, 986-993
Schistosoma mansoni, mice, studies on putative adult worm-derived vaccines and adjuvants

Immunization
Schistosoma mansoni, mice, rhesus monkeys, effect of pretreatment with BCG on subsequent infection

Immunization
Babesia bovis, calves, single vaccination by attenuated and non-attenuated parasites was sufficient to prevent clinical babesiosis under conditions of reduced tick populations

Immunization
Ascaris suum, guinea pigs, dependence of IgE and IgG1 immune responses on inclusion of potassium in preparation of alum adjuvant

Immunization
Mas Bakal, P.; and in't Veld, N., 1979, Ztschr. Parasitenk., v. 54 (3), 209-216
Toxoplasma strain RH, mice inoculated with irradiated toxoplasms appeared to resist challenge with virulent organisms

Immunization
Toxoplasma gondii, mice, vaccination with toxoplasma cell fractions alone or combined with mycobacterial glycolipids

Immunization
Toxoplasma gondii, immunization of NMRI mice against highly virulent BK strain, comparative efficacy of eleven cyst-forming strains

Immunization
Matthews, D., 1979, Vet. Parasitol., v. 5 (2-3), 243-252
Nematodirus spp., sheep, vaccination

Immunization
Mayrink, W.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (6), 676
human dermal leishmaniasis, field trial of vaccine, responses to Montenegro antigen after immunization with killed Leishmania promastigotes: Brazil

Immunization
American dermal leishmaniasis, humans, immunization, field trial using a vaccine containing killed promastigotes of 5 stocks of Leishmania, preliminary report of promising control method: Brazil

Immunization
Plasmodium yoelii nigeriensis, mice, successful immunization against sexual stages using formalin-fixed gametes, vaccinated mice were also strongly protected against asexual erythrocytic stages

Immunization
Trypanosoma cruzi, attempts to immunize mice with ultraviolet radiated virulent and avirulent culture forms unsuccessful, presence of live parasites seems essential for successful immunization

Immunization
Trypanosoma cruzi, mice vaccinated with 1, 2, or 3 doses of live avirulent vaccine had better resistance and less tissue inflammatory reactions than mice vaccinated with only 1, 2, or 3 doses of killed phenolated vaccine of the same strain

Immunization
Trypanosoma cruzi, immunization of 2 adult volunteers with a live avirulent strain, possibility of active immunization without permanent infection

Immunization
Trypanosoma cruzi, follow-up study of 2 volunteers successfully vaccinated with live avirulent PF strain of parasite

Immunization
Trypanosoma cruzi, successful vaccination of 5 human volunteers using a live avirulent strain of parasite; clinical, parasitological, and serological tests remained negative over the 1-year testing period

Immunization
Trypanosoma cruzi, cultivated PF strain induced immunization in mice when injected by subcutaneous route

Immunization
Trypanosoma cruzi, PF strain, avirulence in mice, protective effect against subsequent challenge with virulent strain

Immunization
Trypanosoma cruzi, 2 humans vaccinated with avirulent strain, 5-year follow-up
Immunization
Mesfin, G. M.; and Bellamy, J. E. C., 1979, Infect. and Immun., v. 23 (1), 108-114
Eimeria falciformis var. pragensis, mice, (i) effects of immune response on life cycle, (ii) relative immunizing ability of different doses of oocysts, (iii) duration of acquired resistance; possibility that cell-mediated immune mechanism is responsible for arrest in schizogony

Immunization
Plasmodium berghei, rats under prophylactic treatment with various drug regimens, development of effective antigermic immunity by natural bites of infected mosquitoes, symposium presentation

Immunization
Michael, A. I.; Awadalla, H. N.; and Farag, H. F., 1979, Tropenmed. u. Parasitol., v. 30 (1), 62-64
Schistosoma haematobium-infected mice challenged with S. mansoni, study of granuloma development suggests presence of cross immunization

Immunization
Michael, J. F.; Lancaster, M. B.; and Hong, C., 1979, Parasitology, v. 79 (1), 157-168
Ostertagia ostertagi, cattle, effect of age, previous experience of infection, pregnancy, and lactation on resistance to establishment of worms, rate at which populations are turned over, and arrested development

Immunization
Ancylostoma caninum, canine hookworm vaccine, industrial development, field use, suspension of manufacture and sale, review

Immunization
Minard, P.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 76-86
Schistosoma mansoni, mice, immunization with cobalt-60 irradiated cercariae

Immunization
Minard, P.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 87-93
Schistosoma mansoni, migration pattern and lung stage recovery of nonirradiated and cobalt 60-irradiated schistosomes in non-immunized mice and of challenge schistosomes in mice immunized with cobalt 60-irradiated cercariae

Immunization
Plasmodium berghei, Babesia rodhaini, mice, attempts to raise host-protective sera using variety of immunization manipulations (BCG injection, P. yoelii infection, others)

Immunization
Moser, G.; et al., 1978, J. Protozool., v. 25 (1), 119-124
Plasmodium berghei, P. knowlesi, P. cynomolgi, purification of sporozoites by passage through DEAE-cellulose column, retention of ability to produce infection, to induce protective immunity, and to react with known antisera

Immunization
Murphy, J. R., 1979, Infect. and Immun., v. 24 (3), 707-712
Plasmodium berghei, mice, analysis of mechanisms of immunity generated in response to immunization with formalin-killed blood-stage parasites

Immunization
Murphy, J. R.; and Lefford, M. J., 1978, Infect. and Immun., v. 22 (3), 798-803
Plasmodium berghei, mice, induction of protracted state of immunity with formalin-killed blood parasite vaccine in combination with Corynebacterium parvum and/or living BCG

Immunization
Murphy, J. R.; and Lefford, M. J., 1979, Am. J. Trop. Med. and Hyg., v. 28 (1), 4-11
Plasmodium berghei, mice, successful vaccination by using formalized blood parasites

Immunization
Murrell, K. D.; et al., 1979, J. Parasitol., v. 65 (5), 829-831
Schistosoma mansoni, influence of mouse strain on induction of resistance with irradiated cercariae, no obvious or simple relationship to mouse H-2 haplotype

Immunization
Murrell, K. D.; et al., 1979, Exper. Parasitol., v. 48 (3), 415-420
Schistosoma mansoni, immunization of Macaca fascicularis by injection of irradiated schistosomula

Immunization
Schistosoma mansoni, mice, vaccination with cryopreserved irradiated schistosomes

Immunization
Nikolaenko, G. V.; Zharikov, I. S.; and Luchko, V. P., 1977, Vet. Nauka--Proizvod., Trudy, Minsk, v. 15, 90-93
[Paramphistomatidae], antigen, preparation, analysis of components by disc electrophoresis with and without previous ultrasonic treatment; experimental immunization of rabbits

Immunization
Norton, C. C.; Catchpole, J.; and Joyner, L. P., 1979, Parasitology, v. 79 (2), 231-248
Eimeria irresidua, E. flavescens, redescription, sporulation time, schizogony and gametogony, pathogenicity and oocyst production, immunogenicity, geographic distribution, prevalence

Immunization
Omole, T. A.; and Onawunmi, O. A., 1979, Ann. Parasitol., v. 54 (5), 495-506
Trypanosoma brucei-infected immunized and non-immunized rabbits maintained on diets with different levels of copper, growth and carcass performance, blood constituents
Immunization
Oothuman, P.; et al., 1979, Parasite Immunol., v. 1 (3), 209-216

Brugia pahangi, cats, vaccination with larvae attenuated by irradiation with 10 krad cobalt 60, substantial resistance to homologous or heterologous (B. patei) challenge

Immunization
Osorno, B. H.; et al., 1973, Tecn. Pecuaria Mexico (24), 57-63

Anaplasma marginale, cattle, University of Illinois attenuated vaccine highly effective and safe, challenged with virulent Mexican Anaplasma strain

Immunization

Eimeria tenella, immunization and subsequent invasion, chicks, mitotic activity of thymus lymphocytes depressed, number of degenerative cell forms in thymus raised, changes correlated with increasing host age

Immunization

Eimeria tenella, chickens, immunization using X-ray attenuated oocysts

Immunization

Dictyocaulus filaria, lambs infected with 1st, 2nd, or 3rd stage larvae administered by various routes and then reinfected with infective larvae, blood counts, serum proteins, antibody production, worm elimination

Immunization
Payares, G.; and Ercoli, N., 1978, Exper. Parasitol., v. 45 (1), 1-7

Schistosoma mansoni, drug-immobilized cercariae have reduced virulence but are not dead, cercariae become avirulent only when flame cell is affected, no protection against reinfection in mice injected with immobilized cercariae of reduced virulence

Immunization
Perez, H.; Arredondo, B.; and Machado, R., 1979, Exper. Parasitol., v. 48 (1), 9-14

Leishmania mexicana, L. tropica major, cross immunity in mice, evidence of shared antigenic determinants which are involved in cell-mediated immune responses

Immunization

Trichinella spiralis, mice, immunity against newborn larvae, after previous oral infection, speculations about pattern of establishment of immune state

Immunization

potential protective parasite antigens, evaluation by studying interactions with known binding molecules which allow rapid purification, implications for possible development of non-living vaccines, colloquium presentation

Immunization

Schistosoma mansoni, rats, development of optimal protective immunity following natural infections and artificial immunizations

Immunization

Babesia bigemina, calves, pentamidine, sterilizing dose was at least 5 times as great as that needed for clinical recovery, promising agent for chemoinmunization

Immunization

Plasmodium yoelii- or P. berghei-vaccinated mice, cell-mediated immunity in liver

Immunization
Playfair, J. H. L.; and De Souza, J. B., 1979, Parasite Immunol., v. 1 (3), 197-208

Plasmodium yoelii- or P. berghei-vaccinated mice, immunofluorescent antibody response with particular reference to antibody class and subclass, correlation with protection, passive transfer experiments, effect of macrophage stimulation and inhibition on antibody and on protection

Immunization

Plasmodium berghei, mice, immunization, possible role of plasmodial antigens exposed on surface of infected reticulocytes in induction of protective immunity, observations on entry of parasites into red blood cells, symposium presentation
Immunization

Dictyocaulus filaria, sheep, vaccination with radiation-attenuated D. filaria larvae, considerable protection against challenge, safety evidenced by absence of clinical signs, gross pulmonary lesions and temporary appearance of solitary larvae in faeces

Immunization
Powell, C. N., 1978, Experientia, v. 34 (11), 1450-0-1451

Trypanosoma rhodesiense, rats, inoculation with fraction 3, protection against challenge with T. brucei

Immunization
Prowse, S. J.; et al., 1979, Parasite Immunol., v. 1 (4), 277-288

Nematospiridiose dubius, 7 inbred strains of mice, differences in natural resistance to primary infection and in development of resistance to challenge infection, host sex differences, IgG1 and IgG2a concentrations

Immunization

Nematospiridiose dubius, mice, one or more immunizing infections, development of immunity, absolute and differential cell levels in blood and peritoneum, serum concentrations of various immunoglobulin classes, results suggest that macrophages and eosinophils may play separate roles in immunity to this parasite

Immunization
Purnell, R. E.; et al., 1978, J. Comp. Path., v. 88 (3), 419-423

Babesia divergens, reactions of splenectomized calves to inoculation of infected blood taken from a calf during its reaction and carrier phases, parasite virulence, possible role in immunization

Immunization

Babesia major in intact calves, reactions to inoculation with varying numbers of infected erythrocytes, immunity to homologous challenge

Immunization

Babesia major, splenectomised calves, protection by inoculation of irradiated piroplasms

Immunization

Babesia major, protection of intact calves against homologous challenge by injection of irradiated piroplasms

Immunization

Theileria lowncei, immunization of Bos taurus by infection with single and multiple Theileria spp. isolates and chemoprophylaxis (long-acting oxytetracycline)

Immunization
Rajasekariah, G. R.; et al., 1979, Parasitology, v. 79 (3), 393-400

Fasciola hepatica, rats, mice, attempts to induce protection against infection by inoculation of in vitro-derived excretory/secretory products of either migrating larvae or adult worms

Immunization

Fasciola hepatica, rats, effectiveness of different developmental stages of parasite in stimulating resistance to challenge infection, all implanted stages conferred significant degree of protection with the exception of adult worms

Immunization
Ratymska-Prill, D., 1975, Acta Parasitol. Polon., v. 23 (26-40), 403-415

Strongyloides papillosus, goats, primary infection and reinfections, white blood cell picture

Immunization

echinococcal or alveococcal antigen-antibody complexes used to immunize rabbits, resulting sera with narrow specificity, useful for immunochemical analysis of echinococcal or alveococcal antigens

Immunization
Reed, S. G.; Larson, C. L.; and Speer, C. A., 1977, Ztschr. Parasitenk., v. 52 (1), 11-17

Trypanosoma cruzi, mice immunized by Freund's adjuvant or oxazolone, acute infection suppressed cell-mediated immunity to these antigens; immunization with live T. cruzi before infection resulted in greater than normal oxasolone sensitivity, mice survived infection; inconclusive as to whether immunosuppression due to infection is directed toward induction or toward expression of cell-mediated response

Immunization
Reese, R. T.; et al., 1978, Proc. National Acad. Sc., v. 75 (11), 5665-5668

Plasmodium falciparum, immunization of Aotus monkeys grouped according to karyotype, antigenic material obtained from parasites cultivated in vitro for over a year, protective immunity can be induced without use of complete Freund's adjuvant if sufficient antigen is used together with synthetic muramyl dipeptide
Immunization
Reuben, J. M.; Tanner, C. E.; and Portelance, V., 1979, Infect. and Immun., v. 25 (3), 582-586
Echinococcus multilocularis, cotton rats, BCG cell walls are as effective in protecting against infection as the viable organism

Immunization
Reuben, J. M.; Tanner, C. E.; and Rau, M. E., 1978, Infect. and Immun., v. 21 (1), 135-139
Echinococcus multilocularis in Sigmodon hispidus, minimum effective immunoprophylactic dose of BCG which would not induce granulomas, protection coincided with general elevation of leukocytes especially cells of the monocyte/macrophage series, results support evidence for macrophage being principal potential effector cell in hydatid disease

Immunization
Trypanosoma cruzi, strain isolated from Dasyprocta a. aguti (blood), possible reservoir, infectivity to triatomines and mice, mice protected against subsequent infection by human strain: Colatina, E. S., Brasil

Immunization
Rieckmann, K. H.; Mrema, J. E.; and Campbell, G. H., 1979, J. Parasitol., v. 64 (4), 750-752
Plasmodium falciparum parasites obtained from culture are capable of inducing pronounced immunity to malaria in Aotus trivirgatus gri-seinmembra

Immunization
Plasmodium yoelii, B-cell deficient mice drug-rescued from otherwise lethal infections resisted subsequent challenge despite lack of detectable antibody

Immunization
Roberts-Thomson, I. C.; and Mitchell, G. F., 1979, Infect. and Immun., v. 24 (3), 971-973
Giardia muris, mice, protective effect of injection of trophozoites in Freund complete adjuvant, host strain differences

Immunization
Trypanosoma cruzi, isolated from Callitrichs geoffroyi (blood), possible reservoir host, pathogenic for mice, infection by monkey strain gives good resistance in mice against reinoculation with Y-strain of T. cruzi: Governador Valadares, MG, Brazil

Immunization
Ostertagia circumcincta, immunization of lambs using metabolites and/or macerated in vitro-grown larvae, some protection conferred on 3- and 6- but not 9-month-old lambs

Immunization
Rose, M. E.; et al., 1979, Parasite Immunol., v. 1 (2), 125-132
Eimeria nieschulzi, Nippostrongylus brasiliensis, failure of nude (athymic) rats to become resistant to reinfection

Immunization
Trichostonglylus coelobriformis, guinea pigs, vaccination, factors influencing immunity (different routes of administration of vaccine, age of host, variation in period between vaccination and challenge, administration of vaccine in divided as opposed to single doses, adjuvants)

Immunization
Trypanosoma cruzi, antibody production in mice inoculated with irradiated vs. non irradiated culture forms of parasite

Immunization
Leptomonas pessoai unable to infect immunosuppressed mice, L. pessoai of possible use in immunization against Trypanosoma cruzi

Immunization
Plasmodium knowlesi in Macaca mulatta, parasite-induced antigens in membranes of parasitized erythrocytes, possible relevance to development of antimalarial vaccines

Immunization
Plasmodium knowlesi, 2 parasite-specific antigens on surface of schizont-infected Macaca mulatta erythrocytes induce antibody production in immune hosts

Immunization
Scott, J. M.; et al., 1978, Research Vet. Sc., v. 25 (1), 115-117
Trypanosoma congolense, zebu cattle, attempted protection using multisubstrate vaccine given either as live or dead organisms followed by trypanocidal therapy, disappointing results

Immunization
Trypanosoma cruzi, mice, protective immunization using cell surface glycoprotein

Immunization
Shoeb, S. M.; et al., 1976, Egypt. J. Bilharz., v. 5 (2), 169-182
Schistosoma mansoni-infected mice, attempted immunization using metabolic and somatic antigens prepared from eggs, cercariae and adult worms, assessment of results based on presence of immunoglobulins and histopathologic findings; adult worm antigens gave best results with reduced wound load, delayed ovulation and reduced ova in liver tissues and in stools
Immunization
Siddiqui, W. A.; et al., 1978, Science (4362), v. 201, 1257-1259
Plasmodium falciparum, effective vaccination of Aotus trivirgatus griseimembra using a new adjuvant, possibly safer than Freund's adjuvant

Immunization
Plasmodium falciparum-vaccinated Aotus trivirgatus which had survived primary challenge with homologous strain were protected against subsequent challenge with heterologous strain

Immunization
Plasmodium falciparum, in vitro cultivation and partial purification of antigen suitable for vaccination studies in Aotus monkeys

Immunization
Theileria annulata, Bos indicus x Bos taurus, immunization using irradiated infective particles derived from Hyalomma a. anatolicum

Immunization
Schistosoma mansoni, mice, wide variations in level of immunity to challenge infection are related to variation between different pools of cercariae rather than to variability in immune response of host

Immunization
babesiosis, cattle, vaccination experiments to assess immunogenicity of and protection conferred by culture-derived Babesia bovis antigens against tick-borne infection

Immunization
Haemonchus contortus, sheep, immunization with irradiated larvae, resistance to challenge infection was associated with increased concentrations of IgG antibodies in serum as well as IgA and IgG antibodies in abomasal mucosa

Immunization
Smith, W. D.; and Christie, M. G., 1979, J. Comp. Path., v. 89 (1), 141-150
Haemonchus contortus, lambs (exper.), factors influencing degree of host resistance after immunization with attenuated larvae

Immunization
Smrkovski, L. L.; and Strickland, G. T., 1978, J. Immunol., v. 121 (4), 1257-1261
Plasmodium berghei, mice, single or multiple immunizations with BCG and/or irradiated sporozoites (varying degrees of protection), immunization with irradiated sporozoites before BCG (suppression of protective immunity against sporozoite challenge)

Immunization
de Souza, M. do C. M., 1974, Rev. Patol. Trop., v. 3 (3), 291-332
Leptomonas pessoai, antigenic relationships with other trypanosomatids, cross-protection of mice against Trypanosoma cruzi

Immunization
Strongyloides papillosus, rabbits, production of immunity by UV-irradiated larvae

Immunization
Strongyloides papillosus, effect of various doses of ultraviolet radiation on infective larvae

Immunization
Stepanova, N. I.; et al., 1977, Veterinariia, Moskva (3), 69-70
Theileria annulata, cattle, successful testing under farm conditions of live vaccine prepared from cell culture of parasite

Immunization
Eimeria zuernii, calves (exper.), successful chemotherapy with amprolium or monensin, resistance to reinfection after chemotherapy

Immunization
Stromberg, B. E., 1979, Internat. J. Parasitol., v. 9 (4), 307-311
Ascaris suum, protective antigen from developing larvae, isolation and partial characterization

Immunization
Schistosoma mansoni in Papio anubis, development of resistance to homologous challenge, correlation of in vitro tests (anti-somula antibody and peripheral leucocyte cytotoxic activity) with in vivo immune status

Immunization
Dictyocaulus viviparus, calves, four age groups, double immunization, challenged one month later, course of defence reaction

Immunization
Dictyocaulus filaria did not develop to sexual maturity in calves but in some circumstances provided weak resistance to challenge with D. viviparus, 1000 larvae given to calves under 3 months of age provoked symptoms of clinical dictyocaulosis, serological findings indicate differences in antigen structure of the 2 species

Immunization
Hymenolepis diminuta, lack of protective immunity in rats following immunization with increasing doses of oncospheres, cysticercooids, and mature Hymenolepis homogenates
Immunization
Eimeria acervulina, chickens, single infection provides protection against adverse effects on energy and nitrogen metabolism of further similar infection

Immunization
Schistosomiasis, possibility of irradiated vaccines, colloquium presentation

Immunization
Taylor, M. G.; et al., 1979, J. Helminth., v. 53 (1), 1-5
Schistosoma bovis, sheep, immunization using irradiated schistosomular vaccine

Immunization
Terziiski, A.; and Dragneva, N., 1976, Khelmintologija, Sofia, v. 1, 99-104
Ascaris suum, guinea pigs, immunization per os and parenterally, comparison of host response, results suggest that not serum antibodies but other antibodies (IgA) or other mechanisms play essential role in oral immunization with Ascaris antigen

Immunization
Thompson, K. C.; et al., 1978, Trop. Animal Health and Prod., v. 10 (2), 75-81
Anaplasma marginale, Babesia argentina, B. bigemina, cattle under tropical conditions, immunization with virulent organisms followed by drug therapy (ganaseg; gloxazone; emicina) vs. chemoprophylaxis (imidocarb); tick and gastrointestinal parasite control without haemoparasitic control had advantage over no control system at all

Immunization
Thompson, K. C.; et al., 1978, Trop. Animal Health and Prod., v. 10 (3), 141-144
Anaplasma marginale, Babesia bigemina, B. argentina (bovis), immunization and chemoprophylaxis of Bos taurus calves and subsequent challenge with Boophilus microplus, economic gain estimated: Colombia

Immunization
Babesia bigemina, immune response of calves to acute and chronic blood- and tick-borne infections with 4 stabilates, reduced immune response to homologous challenge but marked response to heterologous challenge indicated antigenic differences between isolates

Immunization
Naegleria fowleri, mice immunized with live parasites by intraperitoneal injection were found to be more resistant to subsequent intranasal challenge

Immunization
Naegleria fowleri, mice immunized with live organisms acquire resistance to challenge, protective immunity can be transferred by immune serum but not by immune cells, mechanism of this immunity unknown

Immunization
Todorovic, R. A.; Gonzalez, E. F.; and Garcia, O., 1979, Tropenmed. u. Parasitol., v. 30 (1), 43-52
Anaplasmosis, babesiosis, cattle, immunization evaluated under field conditions, study indicates significant reduction in deaths and production losses and economic benefits for livestock producers when animals are vaccinated: Cauca River Valley, Colombia

Immunization
Anaplasma marginale, Babesia spp., calves, immunization, cryo-preserved vaccines, effects of dose, inoculation route, time, and temperature

Immunization
Tomanek, J., 1971, Folia Parasitol., v. 18 (2), 183-185
Dictyocaulus viviparus, guinea pigs, degree of immunity induced by subcutaneous immunization with X-ray-attenuated larvae

Immunization
Dictyocaulus filariae, lambs, effective protection by vaccination with D. filaria irradiated larvae

Immunization
Tromba, F. G., 1978, J. Parasitol., v. 64 (4), 651-656
Ascaris suum, pigs, immunization using ultraviolet irradiated eggs

Immunization
Tromchin, G.; et al., 1979, J. Parasitol., v. 65 (5), 685-691
Trichinella spiralis, infected mice, mice immunized with metabolic antigens, mice immunized and then infected, kinetics of intestinal cell response (mast cells, leukocytes, polymorphonuclear eosinophils)

Immunization
Tsang, C. L., 1977, J. Agric. and Forest., v. 26, 1-11
Eimeria tenella, chickens, immunization using oocysts attenuated by chilling method

Immunization
Angiostrongylus cantonensis, rats, immunization with excretory/secretory antigens of male vs. female worms, effect on subsequent infection by infective 3rd stage larvae

Immunization
Uilenberg, G.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (4), 499-506
Theileria parva, T. mutans, cattle, immunization, large-scale field trial: Tanzania

Immunization
mixed coccidial infection, pig, first infection did not confer any immunity, pig became resistant to challenge after second infection
Immunization
irradiated vaccines for helminths, evaluation of reasons for success of Dictol and failure of attempts to develop other vaccines, colloquium presentation

Immunization
Van Regenmortel, M. H. V.; Gill, K.; and Fazakerley, G., 1978, Exper. Parasitol., v. 46 (2), 323-329
Trypanosoma equiperdum, rabbits, active immunization with actinomycin D-inactivated parasites, complete protection from challenge inoculation of same stabilate, neutralization of trypanosomes with serum components from immunized rabbits

Immunization
malaria, introductory remarks on immunization with sporozoites, symposium presentation

Immunization
arguments for the involvement of cell-mediated immunity in antisporeozoite protection, symposium presentation

Immunization
Trypanosoma lewisi, surface membrane antigen, isolation and characterization, protection of immunized rats against challenge

Immunization
Anaplasma marginale, response of calves inoculated with 3 different doses of attenuated A. marginale vaccine and subsequently challenged with a virulent strain; effects of field challenge exposure in calves inoculated with Anaplasma vaccine and preimmunized with both Babesia bigemina and B. argentina: Colombia

Immunization
schistosomiasis, trypanosomiasis, malaria, potential and progress towards vaccines, review

Immunization
Waki, S., 1976, Kiseichugaku Zasshi (Japan J. Parasitol.), v. 25 (6), 441-446
Plasmodium berghei, mice, protective immunity induced by repeated infections followed by radical chemotherapy with sulfonamomethoxine

Immunization
Pneumocystis carinii, new method of separating parasites from infected rat, human, and mouse lungs, adaptation of method for quantitation of parasite in lung tissue and for immunization of rabbits

Immunization
Plasmodium berghei, infectivity and immunogenicity, symposium presentation

Immunization
Toxoplasma gondii, mice, incidence in peripheral blood following primary and secondary infections, infection immunity does not protect against reinfection

Immunization
Taenia saginata, calves, immunization using a metabolic, parasite-free vaccine, no evidence of immunizing capacity

Immunization
Angiostrongylus cantonensis in 8 strains of inbred rats, occurrence of acquired resistance, kinetics of humoral immune response (reaginic and indirect hemagglutination antibody response)

Immunization
Yoshimura, K.; Aiba, H.; and Oya, H., 1979, Internat. J. Parasitol., v. 9 (2), 97-103
Angiostrongylus cantonensis, simple procedure for transplantation of young adult worms into rat pulmonary vessels, acquired resistance conferred by infection with larvae compared with that following transplantation of adults, timeline course development of antibodies (reaginic, hemagglutinating, and precipitating)

Immunization
Anaplasma marginale, calves, comparative immunization systems using attenuated organism, a killed adjuvant, and virulent A. marginale

Immunodiffusion. See Immunity, Precipitation.

Immunoelectrophoresis. See Immunity, Precipitation.

Immunofluorescence
Babesia divergens, cattle, serological survey using indirect fluorescent antibody test, occurrence of antibody in the population and distribution of infected herds: Scotland

Immunofluorescence
Allen, J. R.; Khalil, H. M.; and Graham, J. E., 1979, Immunology, v. 38 (3), 467-472
Dermacentor andersoni, guinea pigs undergoing primary and secondary infestations, immunofluorescent localization of tick salivary gland antigens, IgG, and complement in skin

Immunofluorescence
Toxoplasma gondii, human lymphatic infections, immunofluorescence tests and Sabin-Feldman dye tests compared
Immunofluorescence
human malaria: a preliminary investigation of merits of testing blood donors for evidence of infection using the indirect immunofluorescence test

Immunofluorescence
Toxoplasma gondii, human, agglutinotest compared with indirect immunofluorescence, agglutinotest not satisfactory

Immunofluorescence
test for anti-Toxoplasma gondii antibodies in persons with various non-parasitic diseases, Sabin-Feldman dye test and immunofluorescence compared using serum vs. ascitic fluid samples

Immunofluorescence
serodiagnostic tests for Chagas disease performed on sera of patients with visceral leishmaniasis gave positive results with several immunologic methods, indicates "group-reactions" within Trypanosomatidae

Immunofluorescence
filariasis, humans, diagnosis, immunofluorescence, review

Immunofluorescence
immunofluorescence for diagnosis of human parasitic diseases, review with specific techniques for Fasciola hepatica

Immunofluorescence
malaria, diagnosis and seroepidemiologic study by immunofluorescence, indirect hemagglutination, and immunoenzymology, brief symposium presentation

Immunofluorescence
Toxoplasma gondii, Entamoeba histolytica, Trichinella spiralis, Echinococcus granulosus, human, diagnosis by enzyme-linked immunosorbent assay with a modified micro-method, parallel study by comparative serological tests

Immunofluorescence
Ambroise-Thomas, P.; Simon, J.; and Bayard, M., 1978, Biomedicine Express, v. 29 (7), 245-248
Trypanosoma cruzi, human, indirect hemagglutination test using whole antigen for serodiagnosis and for determining stage of disease, comparison with indirect immunofluorescence

Immunofluorescence
Schistosoma mansoni, immunofluorescence studies of schistosome structures which share determinants with circulating schistosome antigens (CSA), Ig class of antibodies in patients' serum that attach to sites where CSA determinants are found

Immunofluorescence
Sarcocystis sp. in local animals may have some bearing on test results: Belo Horizonte, Brazil

Immunofluorescence
Asaishi, K., 1974, Sapporo Igaku Zasshi (Sapporo Med. J.), v. 43 (2), 104-120
Anisakis larvae, analysis of cuticular antigen, application of fluorescent antibody test to histological diagnosis of chronic infection

Immunofluorescence
Barbosa, W.; et al., 1975, Rev. Patol. Trop., v. 2 (4), 377-386
human visceral leishmaniasis, diagnosis by counterimmunofluorescence, antigens of Leishmania donovani, L. brasiliensis and Leptomonas pessosi compared

Immunofluorescence
Barbosa, W.; et al., 1974, Rev. Patol. Trop., v. 3 (3), 263-268
Trypanosoma cruzi, diagnosis, sera from persons known to be infected, comparison of test results using counterimmunoelectrophoresis, hemagglutination, fluorescent antibody and complement fixation

Immunofluorescence
human filariasis, diagnosis by indirect immunofluorescence using fragments of adult Onchocerca volvulus as antigen, comparison with results in normal controls
Immunofluorescence
Trypanosoma cruzi, human acute and chronic forms, comparison of diagnosis by latex agglutination and by immunofluorescence

Immunofluorescence
Toxoplasma gondii, epidemiologic survey of Indians of the Upper Xingu River (indirect immunofluorescence), comparison with 2 other surveys made in different geographic areas and in populations of more advanced areas of civilization (Sabin-Feldman dye test), little significant differences: Brazil

Immunofluorescence
Beach, P. G., 1979, J. Infect. Dis., v. 140 (5), 780-783
Toxoplasma gondii antibody prevalence in pregnant women, indirect haemagglutination test acceptable for screening com-parison with methylene blue dye test and indirect fluorescent antibody test: Oregon

Immunofluorescence
Trichinosis, swine (exper.), new variant of immunofluorescence reaction for diagnosis using lyophilized larval antigen

Immunofluorescence
Schistosomes, immunofluorescence as technique for studying antigenic relationships between parasite and host, review

Immunofluorescence
Besson, P.; et al., 1976, Rev. Franc. Transfus. et Immuno-Hematol., v. 19 (2), 369-373
Human malaria, case reports of infection from blood transfusions, recommendations that the immunofluorescence test be used along with other methods of screening potential donors

Immunofluorescence
Bidwell, D. E.; et al., 1978, Vet. Rec., v. 103 (20), 446-449
Babesia divergens, B. major, cattle (exper.), serological diagnosis, comparison between microplate enzyme linked immunosorbent assay, indirect fluorescent antibody, and complement fixation tests, ELISA may be preferable

Immunofluorescence
Babesia divergens, cattle, serological survey using indirect fluorescent antibody test, critical assessment of sampling and testing methods: Scotland

Immunofluorescence
Sarcocystis fusiformis, S. tenella, S. miescheriana, rabbits (exper.), diagnostic value of complement fixation and fluorescent antibody tests

Immunofluorescence
Trypanosoma cruzi, Trypanosoma rangeli-like strains, differentiation from T. rangeli but not from T. conorhini by microimmunofluorescence using lectin of sponge (Aaptos papillata)

Immunofluorescence
Helminthic infections, human, diagnosis by immunofluorescence, general review

Immunofluorescence
Bulajic, M.; et al., 1977, Srpski Arhiv Tse-lok. Lekar., v. 105 (7-8), 657-663
Fasciola hepatica, human, immunodiagnosis, comparative study of complement fixation, double fluorescent precipitation, and indirect fluorescent antibody tests

Immunofluorescence
Trypanosoma cruzi, IgM antibodies as evidence of recent infection, immunofluorescence, review

Immunofluorescence
Toxoplasma gondii, human lymphatic infection, diagnosis by indirect immunofluorescence, case reports: Chile

Immunofluorescence
Calderon, C.; Thiermann, E.; and Apt, W., 1972, Rev. Med. Chile, v. 100 (4), 414-416
Toxoplasma gondii, diagnosis, immunofluorescence

Immunofluorescence
Toxoplasma gondii, pregnant women, sero-diagnosis, review

Immunofluorescence
Trypanosoma cruzi, human, comparative serologic diagnosis, complement fixation, immunofluorescence, hemagglutination, flocculation tests

Immunofluorescence
Toxoplasma gondii, human congenital, significance of different diagnostic tests in screening for inapparent infections, serologic tests and serologic patterns in mothers and children studied

Immunofluorescence
Trypanosoma cruzi, IgM antibodies as evidence of recent infection, immunofluorescent technique, epidemiological applications
Immunofluorescence
Trypanosoma cruzi, I.M.T.-Chagas flocculation test evaluated, compared with complement fixation, hemaggulination and immunofluorescence test results

Immunofluorescence
Toxoplasma gondii, comparative study of hemagglutination, complement fixation, IgG- and IgM-immunofluorescence tests on human serum samples

Immunofluorescence
Toxoplasma gondii, human, IgM fluorescence test, false positive results caused by rheumatoid factor; heat-aggregated gamma globulin added to sera avoids false positives

Immunofluorescence
Trypanosoma cruzi, new amastigote antigen superior to antigen from eninastigites, indirect immunofluorescence test

Immunofluorescence
Trypanosoma cruzi, human, acute disease, 2-year longitudinal study, comparison of results of complement fixation, hemagglutination and fluorescent antibody tests, with and without Bay 2502 treatment

Immunofluorescence
Chen, S. N.; et al., 1974, Taiwan i Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 73 (8), 324-327
Toxoplasma gondii, prevalence in cord blood specimens surveyed using indirect hemagglutination test, antibodies confirmed in sera by the indirect fluorescent antibody test: Taiwan

Immunofluorescence
Chen, S. N.; and Suzuki, T., 1974, Taiwan i Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 73 (7), 399-400
Angiostrongylus cantonensis, rats and rabbits (both expr.), fluorescent antibody vs. indirect hemaggulination test for diagnosis

Immunofluorescence
Leishmania braziliensis, variations of fluorescent antibody titers in persons with recent cutaneous lesions

Immunofluorescence
American cutaneous leishmaniasis, humans, N-methylglucamine antimonate therapy evaluated by indirect fluorescent antibody test

Immunofluorescence
Chisholm, E. S.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 14-19
Babesia microti, human, diagnosis, indirect immunofluorescent antibody test is sensitive, specific, and reproducible; cross-reactions did occur with other Babesia spp. and with Plasmodium spp.

Immunofluorescence
Toxoplasma gondii, human, diagnosis, evaluation of direct agglutination test, less useful than the indirect fluorescent antibody test

Immunofluorescence
Collins, W. E.; and Skinner, J. C., 1979, J. Parasitol., v. 65 (5), 827-829
Onchocerca volvulus, formalin-fixed sections of adult worms in nodules used as antigen in fluorescent antibody test, sera from endemic and nonendemic areas, different patient age groups: Ghana; Upper Volta

Immunofluorescence
sera positive for Chagas-Mazza or toxoplasmosis or both, adsorption with 3 lines of Trypanosoma cruzi, immunofluorescent titers, no cross reactions between T. cruzi and toxoplasmosis: Provincia de San Luis

Immunofluorescence
Toxoplasma gondii, swine, indirect immunofluorescence diagnosis: State of Sao Paulo, Brazil

Immunofluorescence
Correia, M. de A.; and Barbosa, W., 1974, Rev. Patol. Trop., v. 3 (2), 171-189
sera from humans infected with visceral or tegumentary leishmaniasis studied by electrophoresis using heterologous and homologous antigens; homologous antigens were more specific and detected higher titers, false positive reactions occurred only with leishmania donovani

Immunofluorescence
Strongyloides stercoralis, humans, diagnosis, fecal examination, immunofluorescence, clinical aspects, review

Immunofluorescence
Encephalitozoon cuniculi in rabbits, histopathology, value of serology (indirect immunofluorescence) in early diagnosis
Immunofluorescence
Danforth, H. D.; Orjih, A. U.; and Nussenzweig, R. S., [1979], J. Parasitol., v. 64 (6), 1978, 1123-1125
Plasmodium berghei, indirect immunofluorescence, staining of exoerythrocytic schizonts in rat liver sections exposed to antispore forming antigen or anti-red blood cell serum, possible use in detecting early developmental stages in cell culture

Immunofluorescence
Tritrichomonas suis, T. foetus, study of antigenic relationships using indirect immunofluorescence, results suggested presence of antigens that were common to both species

Immunofluorescence
Schistosoma mansoni, microfluorometric determination (using DASS system) of circulating anodic antigen and antigen-antibody complexes in infected hamster serum

Immunofluorescence
Schistosoma mansoni, human, immunofluorescence and hemagglutination techniques used in serologic surveys, results compared with fecal egg counts, possible application of serologic tests to epidemiological surveys

Immunofluorescence
Dipetalonema viteae eggs, egg membranes, metabolic products, and hatched larvae from uterus, examination of antigenic activity against sera from Wuchereria bancrofti and onchocerciasis patients, indirect immunofluorescence test

Immunofluorescence
Dipetalonema viteae, antigenic activity in adult worms in the indirect fluorescent antibody test against sera of filariasis patients, search for a 'pure' antigen

Immunofluorescence

Immunofluorescence
leishmaniasis, human and canine, immunologic diagnosis, changes in antibody levels during course of disease, interpretation of results

Immunofluorescence
Toxoplasma gondii, premarket evaluation of commercial toxoplasmosis indirect fluorescent antibody reagents, only 49% of all of products tested met Center for Disease Control requirements

Immunofluorescence
Duvallet, G.; and Saliou, P., 1976, Rev. Infirm. Afrique Noire (49), 13-19
Trypanosoma gambiense, human, diagnosis by immunofluorescence, brief clinical review

Immunofluorescence
Dutivedi, S. K.; and Gautam, O. P., 1979, Indian J. Animal Sci., v. 49 (8), 664-666
Babesia bigemina, calves (exper.), diagnosis, indirect fluorescent antibody test

Immunofluorescence
Dynowska, Z., 1974, Przegl. Epidemiol., v. 28 (3), 375-380
human toxoplasmosis, evaluation of Sabin-Feldman dye test, immunofluorescence and other immunobiological tests used in diagnosis

Immunofluorescence
leishmaniasis, human cutaneous and visceral infections, comparison of enzyme-linked immunosorbent assay and indirect fluorescent antibody test using Leishmania donovani antigens in diagnosis

Immunofluorescence
Ferreira, A. W.; Camargo, M. E.; and Nakahara, O. S., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (6), 341-345
Schistosoma mansoni, immunoperoxidase-antiglobulin diagnostic test compared with standard immunofluorescence and hemagglutination tests

Immunofluorescence
Taeniarychynchus saginatus, cattle (exper.), intravital diagnosis by means of immunofluorescent antibody technique, economically superior to other immunodiagnostic procedures

Immunofluorescence
human echinococcosis, diagnosis using immunofluorescence

Immunofluorescence
[Schistosoma mansoni] indirect fluorescent antibody test using fragments of fresh adult parasites, diagnostic evaluation

Immunofluorescence
Encephalitozoon cuniculi, rabbits (nat. and exper.), diagnosis, immunoperoxidase test, comparison with immunofluorescence test
Immunofluorescence
human malaria, systematic screening of all potential blood donors recommended using the indirect immunofluorescence test and Plasmodium berghei antigen

Immunofluorescence
Anaplasma marginale, cattle, diagnosis, comparisons of complement-fixation, indirect fluorescent antibody, and card agglutination tests

Immunofluorescence
toxoplasmosis, human, diagnosis, passive hemagglutination test, antigen preparation, comparison with immunofluorescence and complement fixation tests

Immunofluorescence
Myxosoma cerebralis-infected Salmo gairdneri, detection of circulating antibodies with indirect fluorescent antibody test

Immunofluorescence
Wuchereria bancrofti, Brugia malayi, human, serodiagnosis, indirect immunofluorescence and agglutination using B. malayi as antigen, measurement of antibodies to adult worms is useful indicator of infection while microfilarial antibodies are correlated with disease: Philippines

Immunofluorescence
muco-cutaneous leishmaniasis immunofluorescence test using in vitro grown strain of L[leishmania] braziliensis, antigen standardization, cross reactions with Chagas disease and kaiza-azar sera

Immunofluorescence
Trypanosoma cruzi, glycoprotein complex extracted from epimastigotes capable of inhibiting immunofluorescence and hemagglutination tests performed with human sera and forming complement fixing immune complexes with both human and hyperimmune sera

Immunofluorescence
Hall, C. L.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 480-882
Plasmodium falciparum, use of cultured parasites as antigen in standard indirect fluorescent antibody test

Immunofluorescence
Plasmodium berghei, IgM and IgG antipsorozoite antibodies in mice immunized with irradiation-attenuated sporozoites, detection by indirect fluorescent antibody test, correlation with protection, some cross-reaction with blood stage antigens but test should still prove useful

Immunofluorescence
Hassan, F.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (1), 3-7
schistosomiasis, humans, enzyme linked immunosorbent assay (ELISA), immunodiagnosis, compared with indirect fluorescent antibody and indirect hemagglutination tests

Immunofluorescence
Leishmania donovani, human, screening of sera for kala-azar using Crithidia sp. as antigen in indirect fluorescent antibody test, some positive reactions with L. tropica, cross-reactions at low titer with Chagas' disease and African trypanosomiasis

Immunofluorescence
cystic and alveolar echinococcosis, human, sensitivities of complement-fixation, passive hemagglutination (PH), and indirect fluorescent-antibody (IF) tests compared, simultaneous use of the PH and IF tests recommended

Immunofluorescence
Echinococcus multilocularis, HH vs. S strain, mice treated with fenbendazole as emulsion or in feed, indirect fluorescent antibody titers, compared with untreated mice

Immunofluorescence
Echinococcus multilocularis, indirect immunofluorescence antibody test with paraffin-embedded histological sections as antigen, specificity and sensitivity in mouse model

Immunofluorescence
Trypanosoma cruzi, human, congenital Chagas' disease, clinical, pathological, and epidemiological studies on pair of twins, immunofluorescence tests on cord sera were negative for IgM antibodies

Immunofluorescence
Hoff, R.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (3), 461-466
Trypanosoma cruzi, rural population, age-specific prevalence rates of parasitemia (detected by blood cultures and xenodiagnosis) vs. seroreactivity (measured by complement fixation and indirect immunofluorescence tests): northeast Brazil
Immunofluorescence

Schistosoma mansoni, human, hemagglutination test (formalin-treated erythrocyte-coated adult worm extract) and immunofluorescence (adult worm particles fixed on microscope slides), comparison

Immunofluorescence
Hsu, N. H.; and Cross, J. H., 1977, Taiwan J. Vet. Rural Develop., v. 27 (3), 332-335

Babesia microti, serologic survey of human rural populations for presence of antibodies using indirect fluorescent antibody test; known prevalence in rodents, findings of survey suggest low human prevalence: Taiwan

Immunofluorescence
Ilemobade, A. A.; and Blotkamp, C., 1978, Trop. Med. and Hyg., v. 28 (2), 242-248

Schistosoma mansoni, human, correlation of class-specific circulating antibodies with clinical forms of disease and with fluorescence patterns developed in sections of both worms and liver granulomata

Immunofluorescence

S[chistosoma] mansoni, human, pattern of class-specific fluorescent antibodies according to infection stages, hemagglutination test comparisons

Immunofluorescence

Hydatid disease, humans, diagnosis, evaluation of sensitivity and specificity of 3 commonly used serological tests: complement fixation, hemagglutination, and fluorescent antibody techniques

Immunofluorescence
Kho d r, G.; and Matossian, R., 1978, Obst. and Gynec., v. 51 (1), Suppl., 74s-77s

Toxoplasma gondii, stillborn infant, congenital infection with resulting multiple deformities and hydrops fetalis, case report, demonstration of toxoplasmic antigenic material in fetal and placental tissue using indirect immunofluorescence

Immunofluorescence

Trypanosoma cruzi, humans, immunofluorescent vascular pattern of EVI antibody (antiskeletal muscle antibody) on liver tissue useful in detecting previously undiagnosed infections, especially in patients with connective tissue disorders

Immunofluorescence

Toxoplasmosis, human, diagnosis, evaluation of fluorescent anti-IgM conjugates in Remington reaction, results proved lack of specificity of some conjugates

Immunofluorescence

Trypanosoma cruzi, immunofluorescence of F vs. Y strain, host immunoglobulins attached to surface of F strain, capping of immunoglobulins during differentiation in culture medium

Immunofluorescence

Metastrongylus apri, pigs (exper.), serodiagnosis by means of indirect fluorescent antibody test

Immunofluorescence

Entamoeba histolytica, human, diagnosis, gel diffusion vs. immunofluorescence
Immunofluorescence
Lalic, R.; et al., 1979, Period. Biol., v. 81 (2), 482-487
T[richinella] spiralis, humans (nat.), guinea pigs (exp.), humoral immune response, indirect immunofluorescence test, possible application to immunodiagnosis

Immunofluorescence
Fasciola hepatica, rabbits immunized with secretory/excretory antigen, antibodies detected with complement fixation, precipitation, and fluorescent antibody tests, immunologically identical antibodies found after infection

Immunofluorescence
kala-azar in children, indirect fluorescent antibody test used for diagnosis and to differentiate Leishmania donovani from Leishmania tropica, cross-reactivity of Leishmania donovani antigen with antisera of other parasitic infections studied

Immunofluorescence
Babesia bigemina, cattle of 2 different age groups (exp.), clinical manifestations, parasitemia, indirect fluorescent antibody titer

Immunofluorescence
Lee, S. Y.; et al., 1973, Taiwan i Hsueh Hui Tsia Chih (J. Formosan Med. Ass.), v. 72 (2), 91-95
Toxoplasma gondii, recovery of cysts from swine brains, formalin-ether and impression smear on inoculated mouse brain compared with fluorescent antibody technique combined with gum Arabic concentration

Immunofluorescence
Le Lorier, B.; et al., 1978, Rev. de Med. Lymages, v. 9 (3), 143-148
Human toxoplasmosis, comparative discussion on value of Sabin-Feldman dye test, immunofluorescence and agglutination for diagnosis

Immunofluorescence
Toxoplasmosis, Brazilian Indians (Kren-Akorore) who have had only recent contact with civilized man, serological survey using immunofluorescence and hemagglutination, high degree of positive tests: Xingu National Park

Immunofluorescence
Trypanosoma cruzi, human, post-mortem diagnosis of chronic Chagas disease, evaluation of 3 serological tests on pericardial fluid (haemagglutination, fluorescent antibody, and complement fixation)
**SUBJECT HEADINGS**

Immunofluorescence
Maier, W. A.; and Piekarski, G., 1979, Immun. u. Infekt., v. 7 (3), 75-82
malaria, human, diagnosis, indirect immunofluorescence test using Plasmodium berghei or P. falciparum as antigen

Immunofluorescence
malaria, standardization of indirect fluorescent antibody test

Immunofluorescence
Plasmodium spp., human, diagnosis and measurement of species-specific malarial antibodies using standardized indirect fluorescent antibody test

Immunofluorescence
Mangenot, M.; et al., 1979, Med. Trop., v. 39 (5), 527-530
African Trypanosomiasis, humans, detection of foci, ELISA vs. immunofluorescence

Immunofluorescence
Myxosoma cerebralis, rabbits immunized with antigens extracted from mature spores or sperm stages, antiserum and globulins used in fluorescent antibody techniques, direct fluorescent antibody test showed higher specificity than indirect FAT in cross reactions with other species of myxosporidians

Immunofluorescence
Mason, P. R., 1979, J. Clin. Path., v. 32 (12), 1211-1215
Trichomonas vaginalis, antenatal patients, diagnosis, indirect fluorescent antibody test

Immunofluorescence
Morgan, R. M.; et al., 1979, J. Helminth., v. 53 (4), 287-291
human hydatid disease, serodiagnosis, indirect haemagglutination, enzyme-linked immunosorbent assay, fluorescence using defined antigen substrate spheres

Immunofluorescence
Leishmania tropica, humans with recent primary exposure, fluorescent antibody test detected antibodies to L. donovani in 19 of 41 individuals, complement fixation and indirect hemagglutination tests were not useful for diagnosis

Immunofluorescence
Schistosoma mansoni in Rattus rattus and R. norvegicus, survey by immunofluorescence, variation in rate of infection and antibody titers in 3 different biotopes, possible explanations: Guadeloupe

Immunofluorescence
Schistosoma mansoni, detection in rats using technique of micro-sampling of blood (after which animals can be marked and released) followed by immunofluorescence test, epidemiological usefulness: Guadeloupe

Immunofluorescence
Movsesijan, M.; et al., 1977, Vet. Glasnik, v. 31 (10), 729-734
Ascaris suum, swine, diagnosis by fluorescent antibody test more successful than fecal examination

Immunofluorescence
Muchinik, G.; et al., 1978, Rev. Hosp. Ninos, Buenos Aires (78), v. 20, 4-10
toxoplasmosis, children, survey for presence of antibodies using the direct agglutination and indirect immunofluorescence tests, gradual increase in infection rate with age (60% by age 14)

Immunofluorescence
Toxoplasma gondii, calves (exper.), pregnant cows (exper.), antibody titres measured by indirect fluorescent antibody test and dye test, Toxoplasma reisolated from 3 of the 5 calves, no abortions in pregnant cows and no evidence of infection in their calves, concluded that cattle do not readily acquire persistent T. gondii infections

Immunofluorescence
Plasmodium berghei-mouse and P. knowlesi-rhesus monkeys systems, detection of stage and species specific antisporozoite antibody with circumsporozoite precipitation and indirect immunofluorescence methods, preliminary application to P. falciparum in humans with similar results
Immunofluorescence
Schistosoma spp., human, specific IgM and IgG antibody response to polysaccharide antigen present in schistosome gut, indirect immunofluorescent technique, easily performed reliable diagnostic test with high sensitivity and specificity

Immunofluorescence
Niederkorn, J. Y., 1978, J. Parasitol., v. 64 (4), 763-764
Mesocestoides corti, fluorescent antibody studies of sera and intestinal extracts of mice subcutaneously vaccinated with tetrathyridia, results favor hypothesis that intestinal immunity against tetrathyridia is antibody-mediated to some degree

Immunofluorescence
Trichinellosis larvae (intact larvae vs. cryostat sections in guinea pig muscle), desorption of antigens, immunofluorescent studies of cuticle

Immunofluorescence
Malaria, newborn infants and young children living in stable hypoendemic area, evaluation of antimalarial antibody titers using Plasmodium berghei as antigen: Abidjan dispensary, Ivory Coast

Immunofluorescence
Schistosoma mansoni: indirect fluorescent antibody test used to follow development of stage-characteristic immunofluorescent patterns in mice exposed to cercariae; 3 patterns described

Immunofluorescence
Toxoplasma gondii, comparison of indirect hemagglutination test and fluorescent antibody test in detection of antibodies in human sera

Immunofluorescence
Parc, F.; et al., 1978, Bull. World Health Organ., v. 56 (2), 305-308
Wuchereria bancrofti var. pacifica, simplified methods for collecting larval forms, preparation for immunofluorescence

Immunofluorescence
Babesia major, cryopreservation of infected bovine blood, preserved in liquid nitrogen for use in indirect fluorescent antibody test

Immunofluorescence
Toxoplasma gondii, incidence in domestic rabbits originating from small family or industrial rabbitries, indirect fluorescent antibody test: Belgium

Immunofluorescence
Schistosoma mansoni, humans, diagnosis using the circumoval precipitin test with indirect immunofluorescence, good sensitivity and specificity

Immunofluorescence
Perea, E. J.; and Barrios, S., 1975, Rev. Clin. Espan., v. 137 (6), 513-516
Human toxoplasmosis, serologic diagnosis by microagglutination more sensitive than indirect immunofluorescence in comparative evaluations

Immunofluorescence
Petrovic, M.; and Deedler, A. M., 1979, Period. Biol., v. 61 (2), 513-515
Fasciola hepatica, immunodiagnosis, application of Defined Antigen Substrate Spheres system to immunofluorescence and immunohisto-peroxidase reactions, cross-reactivity with Schistosoma mansoni

Immunofluorescence
Pifer, L. L.; et al., 1978, Pediatrics, Am. Acad. Pediat., v. 61 (1), 35-41
Pneumocystis carinii, methods (counterimmunoelectrophoresis and indirect immunofluorescence) of detecting antigen and antibody in sera of normal and immunosuppressed children, evidence that subclinical infections are highly prevalent in normal children while active disease is prevalent in the compromised child

Immunofluorescence
Playfair, J. H. L.; and De Souza, J. B., 1979, Parasite Immunol., v. 1 (3), 197-208
Plasmodium yoelii- or P. berghei-vaccinated mice, immunofluorescent antibody response with particular reference to antibody class and subclass, correlation with protection, passive transfer experiments, effect of macrophage stimulation and inhibition on antibody and on protection

Immunofluorescence
Price, S. N.; and Silvers, D. N., 1977, Arch. Dermat., Chicago, v. 113 (10), 1415-1416
Cutaneous leishmaniasis resulting in ulcerous lesion on arm of college student who had recently returned from Peru, case report, diagnostic problems finally resolved by fluorescent antibody test: New York

Immunofluorescence
Simplified chromatographic separation of IgM from IgG and its application to diagnosis of Toxoplasma gondii by indirect immunofluorescence

Immunofluorescence
Leishmania donovani, humans, canines, sero-immunological diagnosis, review

Immunofluorescence
Intestinal parasites, primary school children, prevalence survey using duplicated series of stool examinations by 5 different methods; serologic survey for invasive amoebiasis and schistosomiasis: Nairobi
Immunofluorescence
Rivas, A.; Rodriguez, O. N.; and Espaine, L., 1977, Rev. Cubana Cien. Vet., v. 8 (1), 11-11
Babesia argentina, B. bigemina, bovine, complement fixation and immunofluorescence tests evaluated: Cuba

Immunofluorescence
Rivas, A.; Rodriguez, O. N.; and Espaine, L., 1977, Rev. Cubana Cien. Vet., v. 8 (1), 13-20
Anaplasma marginale, bovine, immunofluorescence and complement fixation tests evaluated: Cuba

Immunofluorescence
Rodriguez Osorio, M.; et al., 1978, Rev. Iber. Parasitol., v. 38 (3-4), 793-804
Sarcocystis moulei, caprine, comparative study of 3 diagnostic tests, peptic artificial digestion, immunodiffusion, and indirect immunofluorescence

Immunofluorescence
Human filariasis, diagnosis using the indirect immunofluorescence test and antigen from eggs of Dirofilaria immitis and Loa loa

Immunofluorescence
Schistosoma mansoni, antigenic characterization of malate dehydrogenase isoenzymes by immunoelectrophoresis, malate dehydrogenase antigens in S. mansoni, S. haematobium, and S. bovis are immunologically indistinguishable, attempted use of these antigens in defined antigen substrate spheres system, not sensitive enough for immunodiagnosis

Immunofluorescence
Trichinella spiralis, man and animals, diagnosis, enzyme-linked immunosorbent assay, indirect immunofluorescence, review

Immunofluorescence
Schistosoma mansoni, human, 6 serologic tests evaluated by comparing their results with those of sensitive stool examination method, relationship between intensity of infection and sensitivity and specificity of serologic tests: Parcelas de Boqueron, Puerto Rico

Immunofluorescence
Saathoff, M.; Kasper, M.; and Demner, H., 1978, Deutsche Med. Wchnschr., v. 103 (41), 1606-1608, 1609-1611
Trichinella spiralis, humans, animals, diagnosis, sensitivity and specificity of 4 different serological tests, serologic differentiation from some other helminth infections with which cross-reactions occur

Immunofluorescence
Onchocerca volvulus, comparison diagnostic study using sera and blood from persons living in endemic and non-endemic areas, fluorescent antibody test gave varying positive results

Immunofluorescence
Leptomonas pessuali antigens and sera of patients infected with Trypanosoma cruzi gave frequent positive reactions with the passive hemagglutination, complement fixation and indirect immunofluorescence tests, possible implications for prophylactic vaccine for Chagas disease

Immunofluorescence
Schillhorn van Veen, T. W.; and Buys, J., 1979, Tropenmed. u. Parasitol., v. 30 (2), 194-197
Fasciola gigantica, attempted serodiagnosis of chronic infection using a fluorescent antibody technique with single and multiple whole-fluke antigens; test seems of doubtful use in areas where fascioliasis as well as other fluke infections are endemic

Immunofluorescence
Trypanosoma cruzi, humans, diagnosis of acute infections by the direct agglutination test and by indirect immunofluorescence, techniques also useful in evaluating effects of therapy

Immunofluorescence
Toxoplasma gondii, evaluation of detection of immunoglobulin M for diagnosis using the immunofluorescence test, concluded that detection of IgM is helpful but should be used in conjunction with other diagnostic procedures

Immunofluorescence
Shepherd, V.; Jameson, B.; and Knowles, G. K., 1979, J. Clin. Path., v. 32 (8), 773-777
Pneumocystis carinii, people, diagnosis, Nowoslawski's indirect fluorescent antibody method: UK

Immunofluorescence
Trypanosoma evansi, reservoir cattle, diagnosis, indirect fluorescent antibody technique

Immunofluorescence
Cryptosporidium parvum, people, diagnosis, in frozen spleen sections by indirect fluorescent antibody test

Immunofluorescence
Schistosoma mansoni, humans, immunodiffusion, hemagglutination, immunofluorescence and eosinophil counts before and after therapy with hycanthone or niridazole
Immunofluorescence
human schistosomiasis mansoni, immunofluorescence, passive hemagglutination, and immunofluorescence tests used to detect early antibody increases after hydantoin therapy

Immunofluorescence
Brugia malayi, Wuchereria bancrofti, infected human sera, indirect immunofluorescence test using sonicated microfilariae of B. malayi as antigen, cross reaction studies with onchocerciasis sera

Immunofluorescence
malaria, human sera, enzyme-linked immunosorbent assay using cultured Plasmodium falciparum as antigen compared with indirect fluorescent antibody test

Immunofluorescence
Trypanosoma brucei brucei, bloodstream and culture forms, analysis of antigenic composition by quantitative direct fluorescent antibody methods

Immunofluorescence
Trypanosoma cruzi, soldiers from 4 different provinces in 3 different years, prevalence of infection, correlation between different serodiagnostic methods: northeastern Argentina

Immunofluorescence
Plasmodium malariae, P. vivax, sero-epidemiologic survey (value of indirect immunofluorescence test emphasized) of coinciding foci of human malaria and leptospirosis in the Peruvian Amazon area

Immunofluorescence
schistosomiasis, filariasis, humans returning from tropical areas, tested by the indirect immunofluorescence test for possible parasitism

Immunofluorescence
Trypanosoma cruzi, human, diagnosis, comparison between indirect immunofluorescent and indirect immunoperoxidase tests

Immunofluorescence
toxoplasmosis, human, evaluation of indirect immunofluorescence test, diagnostic purposes, Sabin-Feldman dye test used for comparison

Immunofluorescence
Toxocara canis, humans, case reports, clinical aspects, discussion of serologic diagnosis using indirect immunofluorescence tests

Immunofluorescence
Sarcocystis, human, indirect fluorescent antibody test using Sarcocystis fusiformis as antigen, antibody prevalence varies among 4 ethnic groups (Orang Asli, Malays, Indians, Chinese), some sera also reacted positively to Toxoplasma: West Malaysia

Immunofluorescence
Schistosoma mansoni, S. haematobium, humans, evaluation of seroimmunologic techniques (indirect fluorescent antibody, complement fixation and counter-current immunoelectrophoresis) for diagnosis; cross reactions were consistently present so that it was not possible to differentiate between the parasites: Nigeria

Immunofluorescence
Toxoplasma gondii, Plasmodium, young school children living in 2 areas of different phases of an antimalarial control program, survey for presence of malaria and toxoplasmosis antibodies using the indirect fluorescent antibody test: Burma

Immunofluorescence
Fasciola gigantica, sheep, diagnosis, indirect immunofluorescence technique satisfactory

Immunofluorescence
Todorovic, R.; and Garcia, R., 1978, Tropenmed. u. Parasitol., v. 29 (1), 88-94
Babesia spp., cattle, diagnosis, indirect fluorescent antibody test, comparison between techniques of dried blood on filter paper and serum samples, sensitivity and specificity, laboratory and field conditions: Colombia

Immunofluorescence
Babesia divergens, cattle (exp.), indirect fluorescent antibody levels not markedly different in splenectomized calves vs. non-splenectomized adult cattle

Immunofluorescence
Schistosoma mansoni-infected mice, presence of circulating polysaccharide schistosomal antigen in Kupffer cells demonstrated by immunofluorescence

Immunofluorescence
gambian and rhodesian sleeping sickness, humans, serological and parasitological diagnostic methods, review
Immunoglobulins

human toxoplasmosis, high percentage of false positive results in immunofluorescence detection of IgM anti-Toxoplasma antibodies when serum used for test also contains rheumatoid factor

Immunoglobulins

Endamoeba histolytica, diagnosis, indirect fluorescent antibody test

Immunoglobulins

trichomoniasis, human urogenital, diagnosis, immunofluorescence using capillary blood

Immunoglobulins

humoral immune response and immunoglobulins of ruminants and swine, review

Immunoglobulins

Dictyocaulus filaria, lambs given irradiated vaccine or non-irradiated larvae, serum protein changes

Immunoglobulins

Allen, J. R.; Khalil, H. M.; and Graham, J. E., 1979, Immunology, v. 38 (3), 407-472
Dermacentor andersoni, guinea pigs undergoing primary and secondary infestations, immunofluorescent localization of tick salivary gland antigens, IgG, and complement in skin

Immunoglobulins

Schistosoma mansoni, immunofluorescence studies of schistosome structures which share determinants with circulating schistosome antigens (CSA), Ig class of antibodies in patients' serum that attach to sites where CSA determinants are found

Immunoglobulins

human intestinal schistosomiasis mansoni before and after treatment with aminonitrothiazole, immunoglobulin levels, immediate and delayed cutaneous hypersensitivity

Immunoglobulins

helminthiasis, human, serum IgE levels before and after treatment with pyrantel pamoate, radioimmunosorbent technique and single radial immunodiffusion method

Immunoglobulins

serum IgG levels in variety of human diseases, including parasitic

Immunoglobulins

Askonas, B. A.; et al., 1979, Immunology, v. 36 (2), 313-321
Trypanosoma brucei brucei, mice, functional depletion of T- and B-memory cells and other lymphoid cell populations, serum Ig levels, immunosuppression in T-deprived and CSA/N mice; cells affecting delayed hypersensitivity reactions provide only exception to general decline in immune potential

Immunoglobulins

Trypanosoma congolense, mice, significant depression of humoral immunity, simultaneous increase in background IgM plaque-forming cell levels, mitogenicity of trypanosome-derived saturated fatty acids

Immunoglobulins

Barriga, O. O., 1978, J. Parasitol., v. 64 (4), 638-644
Trichinella spiralis, mice pretreated with parasite extract, saline, or bovine serum albumin, blastogenic responses to T- and B-cell mitogens, production of rosette- and of direct and indirect plaque-forming cells, and titers of IgM and of IgG circulating antibodies, results indicate that suppressor T-cells apparently play major but not exclusive role in T. spiralis-induced nonspecific immunodepression

Immunoglobulins

secretory immunoglobulins and local immunity, colloquium presentation

Immunoglobulins

patients infected with intestinal parasites, attempt to quantitate immunoglobulin levels in fecal extracts with radial immunodiffusion, mean IgA levels higher than in controls, other immunoglobulin classes rarely detectable

Immunoglobulins

reaginic and other homocytotropic antibodies: diverse immunoglobulins with common function, review including information on Nippostrongylus brasiliensis-rat system

Immunoglobulins

Bogucki, M. S.; and Seed, J. R., 1978, J. Reticuloendothel. Soc., v. 23 (2), 89-101
Trypanosoma brucei gambiense, parasite-bound heterospecific antibody, immunoglobulin class specificity, location and orientation, may be related to successful propagation of trypanosomes in immunocompetent hosts

Immunoglobulins

trichinellosis, human, acute phase, IgG, IgA, and IgM levels, percentages of T and B lymphocytes
Immunoglobulins
Schistosoma mansoni, characterization of immunoglobulins and antigens involved in immune complexes

Immunoglobulins
Brossard, M. and Girardin, P., 1979, Experimentia, v. 35 (10), 1395-1397
Ixodes ricinus, rabbits, passive transfer of resistance with immune serum, effect on feeding and egg laying, IgG and homocytotropic specific antibodies of donors and recipients, immediate skin sensitivity of recipients

Immunoglobulins
Schistosoma mansoni, transmission of IgG, IgM, and IgA antibodies from mother to fetal and newborn mice

Immunoglobulins
Mesocestoides corti, Nematospiroides dubius, mice, IgG, hypergammaglobulinaemia, evidence that response reflects chronicity of antigen exposure

Immunoglobulins
Trypanosoma cruzi, IgM antibodies as evidence of recent infection, immunofluorescent technique, epidemiological applications

Immunoglobulins
Toxoplasma gondii, comparative study of hemagglutination, complement fixation, IgG- and IgM-immunofluorescence tests on human serum samples

Immunoglobulins
Toxoplasma gondii, human, IgM fluorescence test, false positive results caused by rheumatoid factor; heat-aggregated gamma globulin added to sera avoids false positives

Immunoglobulins
Capron, M.; et al., 1978, European J. Immunol., v. 8 (2), 127-133
Schistosoma mansoni, rats, eosinophil-dependent cytotoxicity, involvement of IgG1 antibody and role of mast cells, these and previous observations suggest possible participation of anaphylactic antibodies in immunity to schistosomes in the rat

Immunoglobulins
effector mechanisms in immunity to schistosomes, comparison of 2 antibody-dependent cell-mediated cytotoxicity models (IgG-eosinophil model vs. IgE-macrophage model), colloquium presentation

Immunoglobulins
chronic parasitic infections in mice, IgG1 hypergammaglobulinaemia, daily rate and location of production of IgG1, T cell dependence of response

Immunoglobulins
Trypanosoma brucei brucei in nude mice confirms that infection causes both enhanced Ig production and suppression of ability of B cells to respond to mitogen even in absence of T cells

Immunoglobulins
Trichinella spiralis digestion-negative swine, identification and distribution of swine serum immunoglobulins that react with T. spiralis antigens and may interfere with enzyme-labeled antibody test

Immunoglobulins
immune effector mechanisms, review

Immunoglobulins
malaria in normal subjects and those with sickle cell trait, determination of plasma immunoglobulins and antimalarial antibodies, findings suggest that during infancy early phagocytosis of parasitized cells led to enhanced processing of antigen and hence earlier immune response to sickle cell trait

Immunoglobulins
Trichostongyulus colubroformis, sheep, immunoglobulin and albumin concentrations and flow of intestinal lymph, anti-worm antibody titres in intestinal lymph and serum, observations indicate occurrence of local antibody response in intestine of immune sheep

Immunoglobulins
Trichostongyulus colubroformis-infected sheep, immunoglobulin metabolism, concluded that increased synthesis of IgG1 in resistant sheep continually exposed to T. colubroformis occurs as result of antigenic stimulation rather than as consequence of increased loss of plasma into intestine

Immunoglobulins
Schistosoma mansoni, human, immunoglobulins IgG, IgA, and IgM in sera
Immunoglobulins
Davies, P. J.; Parry, S. H.; and Porter, P., 1978, Immunology, v. 34 (5), 879-888

Eimeria tenella, chickens, serological and secretory immune responses evaluated in terms of various anti-coccidial activities, results suggest that intestinal secretory IgA system plays essential role in protective immune response

Immunoglobulins
Davies, P. J.; and Porter, P., 1979, Immunology, v. 36 (3), 471-477

Eimeria tenella, proposed mechanism for secretory IgA-mediated inhibition of cell penetration and intracellular development

Immunoglobulins

Nippostrongylus brasiliensis vs. Nemato-rioides dubius, several features of intestinal stages in mice, complexity of worm excretory/secretory (ES) products and efficacy in induction of resistance, comparison of ES products with respect to in vitro T and B cell mitogenicity, capacity to induce and/or elicit delayed type hypersensitivity responses, and capacity to induce reaginic and precipitating antibody responses

Immunoglobulins
Dessaint, J. P.; et al., 1979, Cellular Immunol., v. 46 (1), 12-23

Binding characteristics of IgE on surface of rat macrophages, characterization of IgE on surface of macrophages from Schistosoma mansoni-infected rats

Immunoglobulins
Dessaint, J. P.; et al., 1979, Cellular Immunol., v. 46 (1), 24-34

Immunologic release of lysosomal enzyme from macrophages by IgE and anti-IgE in the rat, new mechanism of macrophage activation, implications for mechanism of antibody-dependent macrophage cytotoxicity in rat schistosomiasis

Immunoglobulins
Diffl ey, P.; and Honigberg, B. M., 1978, J. Parasitol., v. 64 (4), 674-681

Trypanosoma congolense, identification and quantitation of host albumin, nonspecific IgG, and complement (C3) bound to surface of bloodstream forms, possible functions for these surface-bound plasma proteins

Immunoglobulins
Digeon, M.; et al., 1979, Clin. and Exper. Immunol., v. 35 (3), 529-537

Schistosoma mansoni, mice, IgG and IgM but not IgA anti-schistosome antibodies, circulating immune complexes containing schistosomal antigen, glomerular mesangial deposits of IgA, IgM, and C3

Immunoglobulins

Helmintiasis, role of homocytotropic antibodies in immunity and pathology with special reference to induction and potentiation of IgE production, review

Immunoglobulins

Trypanosoma brucei brucei-infected rabbits, application of build-up anti-globulin technique for detection of immunoglobulin on surface of red cells

Immunoglobulins

Haemaphysalis longicornis, sheep, vaccination protected against challenge and was associated with raised levels of abomasal mucus IgA and serum IgG antibodies in adults but lambs were not protected and did not have raised levels of these antibodies, possible implications for immune unresponsiveness of lambs

Immunoglobulins

Schistosomiasis in patients with and without neurological symptoms, circumoval precipitin test, indirect haemagglutination test, and immunoglobulins in serum and cerebrospinal fluid

Immunoglobulins
Ershov, V. S.; and Naumycheva, M. I., 1978, Vestnik Sel'skokhoz. Nauki (266) (11), 13-20

Helminth-parasitized animals, sensitization, tests for IgE, review

Immunoglobulins

Schistosoma mansoni, human chronic infections, identification of hemagglutinating antibodies using indirect hemagglutination test with tannic acid-treated red blood cells sensitized with worm extract, antibodies identified as type 7S, probably IgG

Immunoglobulins

Plasmodium berghei, P. yoelii, mice, numbers of 'background' plaque-forming cells secreting IgM specific for either sheep or horse erythrocytes elevated in spleens during infection or in spleens of uninfected mice injected with non-infectious extracts of parasitized mouse red blood cells, results provide corroborating evidence for hypothesis that B-cell mitogen is associated with blood-stage of malaria parasites, possible involvement in immunosuppression

Immunoglobulins

Haemaphysalis longicornis, rabbits subjected to series of infestations with adult female ticks, development of acquired resistance and precipitating antibody (7S class of immunoglobulin)

Immunoglobulins
Fujiwara, M.; and Kishimoto, S., 1979, J. Immunol., v. 123 (1), 263-268

Aged (vs. young adult) mice exhibit depressed IgE, IgG, and IgM antibody response to DNP-Ascari s and depressed avidity of IgE antibody for DNP determinant
Subject Headings

Immunoglobulins
Entamoeba histolytica, quantitative levels of immunoglobulins (IgG, IgM, and IgA) and complement (C3 and CH50) estimated in persons with amoebic abscesses or amoebic colitis, values compared with normal controls, prognostic values of these parameters discussed

Immunoglobulins
Giannini, M. S.; and D'Alessandro, P. A., 1978, Science (4359), v. 201, 916-918. Trypanosoma lewisi forms caps at 0°C when incubated with rabbit IgG directed against surface IgG from rat host, host IgG (which is specific for parasite antigens) probably does not cause capping of these antigens in vivo.

Immunoglobulins
Giannini, S. H.; and D'Alessandro, P. A., 1979, Exper. Parasitol., v. 47 (3), 342-355. Trypanosoma lewisi, accumulation of antigen-specific host IgG as component of surface coat during course of infection in rat

Immunoglobulins

Immunoglobulins
Glickman, L. T.; Schantz, P. M.; and Cy婆婆, R. H., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 254-258. Toxocara caviae, patients with diagnostic ELISA titres vs. patients with presumed visceral larva migrans but less or no detectable antibody, clinical findings (including leucocytosis, eosinophilia, increased anti-A or anti-B isoagglutinin titre, elevated serum IgG level), epidemiological characteristics (age, sex, northern vs. southern residence, history of pica)

Immunoglobulins
Goldman, M.; and Pipano, E., 1977, Tropenmed. u. Parasitol., v. 29 (1), 85-87. Theileria annulata, specific IgM and IgG antibodies detected in immunized or infected cattle

Immunoglobulins

Immunoglobulins

Immunoglobulins

Immunoglobulins
Hansen, R.; de Silva, S.; and Strickland, G. S., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (5), 574-578. Plasmodium berghei, IgM and IgG antiplasmodial antibodies in mice immunized with irradiation-attenuated sporozoites, detection by indirect fluorescent antibody test, correlation with protection, some cross-reaction with blood stage antigens but test should still prove useful

Immunoglobulins

Immunoglobulins

Immunoglobulins
Howell, M. J.; and Sandeman, R. M., 1979, Internat. J. Parasitol., v. 9 (1), 41-45. Facioscapula hepatica, precipitate which forms when metacercariae are cultured in immune rat serum is a complex of parasite metabolic antigen and rat Ig (possibly IgG), vaccination of rats with precipitate in FCA confers significant degree of protection

Immunoglobulins
Hsu, S. Y. L.; et al., 1979, Internat. Arch. Allergy and Applied Immunol., v. 59 (4), 383-393. Schistosoma japonicum, IgE, mast cells, and eosinophils in skin of Macaca mulatta immunized with X-irradiated cercariae

Immunoglobulins
Hudson, R.; Kitts, W. D.; and Bandy, P. J., 1971, J. Wildlife Dis., v. 7 (3), 171-174. Ovis canadensis, immunoglobulin response, effects of individual variation, season, and parasite activity

Immunoglobulins

Immunoglobulins
Immunoglobulins
- cellular basis of reaginic antibody formation in vitro, DNP-Ascaris suum used as antigen

Immunoglobulins
- cellular mechanisms for secondary IgE antibody response in vitro by rabbit lymph node cells, review, DNP-Ascaris suum as one of antigens used

Immunoglobulins
- also includes some information on Nippostrongylus brasiliensis

Immunoglobulins
Itaya, T.; and Ovary, Z., 1979, J. Exper. Med., v. 150 (3), 507-516
- Nippostrongylus brasiliensis, suppression of IgE antibody production in SJL mice, interaction of primed and unprimed T cells

Immunoglobulins
Jacqueline, E.; et al., 1978, Exper. Parasitol., v. 45 (1), 42-54
- Trichinella spiralis, infected or immunized mice, rats, and miniature pigs, humoral and secretory anti-immunoglobulins active in inhibition of production of larvae

Immunoglobulins
- Nippostrongylus brasiliensis, stimuli for production and control of IgE in rats, review

Immunoglobulins
- Nippostrongylus brasiliensis, rats, serum immunoglobulin levels at various times after infection or re-infection, levels of other Ig (sub)classes increase but increments are modest by comparison with IgE and occur at different times

Immunoglobulins
- ostertagiasis, calves, serum levels of immunoglobulins, albumin, total protein, and pepsinogen

Immunoglobulins
- Schistosoma mansoni, cytotoxicity of human and baboon mononuclear phagocytes against schistosomula in vitro, induction by immune complexes containing IgE and parasite antigens

Immunoglobulins
- Schistosoma mansoni, human, correlation of class-specific circulating antibodies with clinical forms of disease and with fluorescence patterns developed in sections of both worms and liver granulomata
Immunoglobulins
Taenia taeniaeformis, mice, passive transfer of protection with intestinal, colostral, or serum immunoglobulins, protective capacity found to be associated mainly with IgA of colostrum and intestinal secretions and IgG of serum

Immunoglobulins
Luckins, A. G.; et al., 1979, Trop. Animal Health and Prod., v. 11 (1), 1-12
Trypanosoma evansi, camels (nat. and exper.), indirect fluorescent antibody test and microscale enzyme linked immunosorbent assay compared with tests for detection of raised euglobulin levels: Sudan

Immunoglobulins
Trypanosoma evansi, rabbits, serodiagnosis, comparison of serum immunoglobulin levels, enzyme-linked immunosorbent assay, and fluorescent antibody test

Immunoglobulins
trypanosomiasis, cattle, diagnosis, indirect fluorescent antibody test, enzyme-linked immunosorbent assay, and serum IgM levels compared: Liberia

Immunoglobulins
Schistosoma mansoni, antibody (IgG)-mediated adherence of rat eosinophils to schistosomula in vitro with consequent damage to parasite

Immunoglobulins
binding of immunoglobulins from Taenia taeniaeformis and Mesococctides corti-infected mice to staphylococcal protein A

Immunoglobulins
trypanosomiasis, sheep (nat. and exper.), serum immunoglobulin levels during course of infection

Immunoglobulins
[Schistosoma] mansoni, S. haematobium, humans, concentrations of complement components and immunoglobulins in sera, implications for immunopathological effects of schistosomiasis and for heterogeneity of antigen clearance

Immunoglobulins
Trypanosoma cruzi, human sera, indirect immunofluorescence used for detection of specific immunoglobulin levels (IgA, IgG, IgM)

Immunoglobulins
Brugia malayi, and Wuchereria bancrofti, humans, immunoglobulin levels and complement components determined in populations in various endemic areas in Peninsular Malaysia

Immunoglobulins
adjuvant effect of amorphous silica vs. aluminium hydroxide on IgE antibody production in mice, dinitrophenylated Ascaris extract used as immuno
gen

Immunoglobulins
Mangenot, M.; et al., 1979, Med. Trop., v. 35 (5), 531-535
African trypanosomiasis, humans, possible use of immunoglobulin assay in confirming diagnosis (increased IgG and IgM) in persons suspected to be infected after testing with immunofluorescence or ELISA

Immunoglobulins
Nippostrongylus brasiliensis, mice, suppression of reaginic antibody (IgE) formation by treatment with anti-μ antiserum, supports hypothesis that IgE-producing cells arise from IgM-bearing precursors

Immunoglobulins
[Lesishmania] donovani-infected humans, increased IgG levels, L. donovani, L. brasiliensis, and L. tropica antigens used in comparison of immunological diagnostic methods studying antibody titers, indirect haemagglutination test unsuitable for diagnosis

Immunoglobulins
Marretta, J.; and Casey, F. B., 1979, Immunology, v. 37 (3), 609-613
Ascaris suum, Nippostrongylus brasiliensis, effect on potentiation of IgE response in guinea pigs

Immunoglobulins
Ascaris suum, guinea pigs, dependence of IgE and IgG1 immune responses on inclusion of potassium in preparation of alum adjuvant

Immunoglobulins
Nippostrongylus brasiliensis-infected rats, sites of synthesis and localization of IgE

Immunoglobulins
Nippostrongylus brasiliensis-infected rats adoptively immunized with different subpopulations of immune thoracic duct lymphocytes, intestinal goblet cell response, cells lacking surface immunoglobulin were most potent stimulators of goblet cell differentiation.
Immunoglobulins


Immunological and 'paraimmunological' responses to infection with metazoan and protozoan parasites in mouse models, extensive review

Immunoglobulins

Miyamoto, J.; et al., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (4), 226-229

Schistosoma japonicum, humans, total IgE by single radial immunodiffusion method, specific IgE by radioallergosorbent test, threshold values of skin tests: Yamanashi Prefecture

Immunoglobulins


Schistosoma mansoni, S. haematobium, 4 clinically different groups of patients, total IgG and IgM levels, specific IgG and IgM antibody to polysaccharide antigen present in schistosome gut, modulation of antibody response appears primarily dependent on infection duration, total Ig levels depend on infection duration and intensity

Immunoglobulins


Nippostrongylus brasiliensis, immune thoracic duct lymphocytes fractionated into cells lacking or bearing surface immunoglobulin, protective capacities of each subpopulation examined

Immunoglobulins

Nielsen, K.; et al., 1978, Immunology, v. 35 (5), 811-816

Trypanosoma congolense-infected calves, changes in catabolism of serum immunoglobulins and complement components, possible relationship to pathological changes

Immunoglobulins

Nielsen, K.; et al., 1978, Immunology, v. 35 (5), 817-826

Trypanosoma congolense-infected calves, changes in serum immunoglobulins, complement, and complement components

Immunoglobulins

Nishino, C., 1977, Sapporo Igaku Zasshi (Sapporo Med. J.), v. 46 (2), 73-88

Anisakiasis, humans, epidemiologic survey, comparison of skin test, indirect hemagglutination, and serum IgE levels in randomly selected local inhabitants and in patients with anisakiasis, higher positive rates in workers in fishing industries than in those in farming industries: Hokkaido

Immunoglobulins


Giardia lamblia, humans, no immunodeficient basis for endemic giardiasis found in comparative survey of immunoglobulins in serum and duodenal juice and of T and B lymphocyte sub-populations of infected vs. non-infected persons: North India

Immunoglobulins


Nippostrongylus brasiliensis, regulation of IgE in mice, review
Immunoglobulins

Partono, P.; et al., 1978, J. Trop. Med. and Hyg., v. 81 (12), 252-258

Wuchereria bancrofti, human, serum immunoglobulin levels, persons with and without clinical manifestations and with and without microfilaraemia: Jakarta, Indonesia

Immunoglobulins


Strongyulus vulgaris, ponies (exper.), changes in serum proteins, increased IgE concentrations, repeated exposure to small doses of larvae resulted in a significant degree of acquired resistance against a challenge dose

Immunoglobulins


hydatidosis, human, evaluation of immunoelectrodiffusion test (IED) vs. immunoelectrophoresis and indirect hemagglutination, sensitivity of IED increased and classes of immunoglobulins defined by combining enzymatic labelling with IED resulting in ELIEDA (enzyme-linked immunoelectrodiffusion assay)

Immunoglobulins

Playfair, J. H. L.; and De Souza, J. B., 1979, Parasite Immunol., v. 1 (3), 197-208

Plasmodium yoelii- or P. bergheri-vaccinated mice, immunofluorescent antibody response with particular reference to antibody class and subclass, correlation with protection, passive transfer experiments, effect of macrophage stimulation and inhibition on antibody and on protection

Immunoglobulins


Ascaris suum-infected laboratory animals, reagin-like antibody detected by passive dermal anaphylaxis test and by direct degranulation of mast cells; antibody appeared to belong to IgE; suggested that it participates in host protective response

Immunoglobulins

Prowse, S. J.; et al., 1979, Parasite Immunol., v. 1 (4), 277-288

Nematospiridoides dubius, 7 inbred strains of mice, differences in natural resistance to primary infection and in development of resistance to challenge infection, host sex differences, IgG1 and IgG2a concentrations

Immunoglobulins


Nematospiridoides dubius, mice, one or more immunizing infections, development of immunity, absolute and differential cell levels in blood and peritoneum, serum concentrations of various immunoglobulin classes, results suggest that macrophages and eosinophils may play separate roles in immunity to this parasite

Immunoglobulins


Trichinella pseudospiralis, germfree and conventional mice, immunoglobulin and haemagglutinating antibody levels compared

Immunoglobulins

Pindyck, N.; et al., 1979, J. Clin. Microbiol., v. 9 (2), 170-174

simplified chromatographic separation of IgM from IgG and its application to diagnosis of Toxoplasma gondii by indirect immunofluorescence

Immunoglobulins

Ramalho-Pinto, P. J.; De Rossi, R.; and Smithers, S. R., 1979, Parasite Immunol., v. 1 (4), 305-308

Schistosoma mansoni, mice, anti-schistosomes antibodies and IgG subclasses involved in complement- and eosinophil-mediated killing of schistosomes in vitro

Immunoglobulins


tropical pulmonary eosinophilia, human, serum immunoglobulin and complement levels, correlation with primary and relapsing stages of illness: India

Immunoglobulins

Rector, E. S.; et al., 1979, European J. Immunol., v. 9 (6), 471-476

Nippostrongylus brasiliensis-infected rats, enumeration of IgF-secreting cells using reverse plaque-forming cell assay

Immunoglobulins


Plasmodium falciparum, inhibition of in vitro growth by immune serum and purified immunoglobulin from Aotus sp.

Immunoglobulins


kala-azar, children, serum immunoglobulins and complement levels, percentage of T and B cells, skin reactivity to Leishmania antigen

Immunoglobulins

Ribeiro dos Santos, R.; et al., 1979, Tropenmed. u. Parasitol., v. 30 (1), 19-23

Trypanosoma cruzi-infected humans, presence of IgG and IgM antibodies to neurons demonstrated by immunofluorescence

Immunoglobulins


hydatidosis, human, serodiagnosis (radioimmunoassay, indirect haemagglutination, immuno-electrodiffusion), subclasses of specific anti-hydatid immunoglobulin, detection of circulating immune complexes

Immunoglobulins


Babesia microti, mice suppressed for IgM production, resistance to infection as reflected by virtual absence of parasites in peripheral circulation

Immunoglobulins

Rousseaux-Prevost, R.; et al., 1978, Immunology, v. 35 (1), 35-39

Schistosoma mansoni in 2 strains of rat, time course of occurrence of specific IgE antibodies, correlation with protective immunity
Immunoglobulins

Rousseaux-Prevost, R.; et al., 1979, Clin. and Exper. Immunol., v. 38 (2), 389-393

Dipetalonema viteae, rats infected with L3 larvae, serum IgE levels

Immunoglobulins

Roweck-Trzebicka, K.; et al., 1979, Pediat. Polska, v. 54 (7), 687-691

Pneumocystis carinii, infants, pneumonia, pulmonary aspiration biopsy and presence of IgM and IgG in serum confirm diagnosis

Immunoglobulins

Ruitenber, E. J.; and Buys, J., 1979, Vet. Parasitol., v. 5 (1), 73-78

Trichinella spiralis, pigs, analyses for IgE performed by homologous passive cutaneous anaphylactic reactions and for IgG by enzyme linked immunosorbent assay, possible significance of findings for early diagnosis of infections

Immunoglobulins


parasitic diseases, human, serum immunoglobulin and complement profile: India

Immunoglobulins


Schistosoma mansoni patients showing different clinical forms of infection and S. haematobium patients before treatment and 6 weeks after treatment with hycanthone, comparison of immunoglobulin levels

Immunoglobulins


Schistosoma mansoni, sera from infected patients, characterization and quantitation of immunoglobulins present in immune complexes

Immunoglobulins

Santoro, F.; et al., 1979, J. Immunol., v. 123 (4), 1551-1557

Schistosoma mansoni, activation of complement by schistosomula: killing of parasites by alternative pathway and requirement of IgG for classical pathway activation

Immunoglobulins


Trypanosoma cruzi, human, physiopathology of neuronal destruction, presence of IgG and IgM antibodies to neurons discovered in human serum, sequence to pathologic events detailed in infected mice

Immunoglobulins


Intestinal parasite load in relation to serum IgE levels in individuals from 2 ethnic groups from North and South Rwanda

Immunoglobulins


Trypanosoma cruzi, humans, immunoglobulin M, G, and A concentrations in treated acute Chagas' disease

Immunoglobulins


Toxoplasma gondii, evaluation of detection of immunoglobulin M for diagnosis using the immunofluorescence test, concluded that detection of IgM is helpful but should be used in conjunction with other diagnostic procedures

Immunoglobulins

Shechelov, A. P., 1974, Parazitologija, Leningrad, v. 8 (6), 553-562

Plasmodium berghii-infected mice, phagocytosis of erythrocytes by spleen macrophages appears to be mediated by Ig on surface; other indications of spleen macrophage activation; phagocytosis is inhibited later in infection by serum factors possibly immune complexes; high levels of anti-Forssman antibodies

Immunoglobulins

Shear, H. L.; Nussenzweig, R. S.; and Bianco, C., 1979, J. Exper. Med., v. 149 (6), 1288-1298

Ascaris lumbricoides, new allergen (ACF antigen) observed to be present in serum from North and South Rwanda

Immunoglobulins

Sinski, E.; and Holmes, P. H., 1978, J. Parasitol., v. 64 (1), 189-191

Nippostrongylus brasiliensis, radioimmunoassay to measure local and circulating specific IgG and IgA antibody responses in rats infected with irradiated larvae, resistance to challenge infection was associated with increased concentrations of IgG antibodies in serum as well as IgA and IgG antibodies in abomasal mucosa

Immunoglobulins

Smith, H. V.; and Davis, A. J., 1979, Immunology, v. 38 (4), 659-664

Haemonchus contortus, sheep, immunization with irradiated larvae, resistance to challenge infection was associated with increased concentrations of IgG antibodies in serum as well as IgA and IgG antibodies in abomasal mucosa

Immunoglobulins


Malaria, immunoglobulins and antimalarial antibodies in haemoglobin AC individuals, little difference from rest of population except for higher IgG levels, suggests that haemoglobin C gene's geographical relationship to malaria may be coincidence: Sudan savanna of Nigeria

Immunoglobulins

Stromberg, B. E., 1979, Immunology, v. 38 (3), 489-495

Ascaris suum, new allergen (ACF antigen) obtained from developing larvae maintained in chemically defined culture medium, production of IgE and IgG1 antibodies in guinea-pigs, importance of route of administration

Immunoglobulins

Santoro, F.; et al., 1979, Immunology, v. 38 (3), 659-664

Plasmodium berghei-infected mice, phagocytosis of erythrocytes by spleen macrophages appears to be mediated by Ig on surface; other indications of spleen macrophage activation; phagocytosis is inhibited later in infection by serum factors possibly immune complexes; high levels of anti-Forssman antibodies
SUBJECT HEADINGS

Immunoglobulins
Suemura, M.; and Ishizaka, K., 1979, J. Immunol., v. 123 (2), 918-924
Nippostrongylus brasiliensis, potentiation of IgE response in vitro by T cells from infected rats

Immunoglobulins
Nippostrongylus brasiliensis, development of IgE-forming cells in vitro from rat mesenteric lymph node cells

Immunoglobulins
Cellular interactions involved in initiation and suppression of IgE synthesis in rats, review, DNP-Ascaris suum as one of antigens used, also includes mention of potentiated reagin formation by Nippostrongylus brasiliensis infection

Immunoglobulins
Cellular and humoral controls of reaginic antibody synthesis in the rat, dinitrophenylated Ascaris suum extract used as immunizing antigen

Immunoglobulins
Trypanosoma cruzi, children with apparent vs. inapparent acute Chagas' disease, clinical and laboratory findings, humoral antibody response, delayed-type skin responses, inhibition of leukocyte migration, serum proteins and immunoglobulins; demonstration of cell-mediated immunodepression in inapparent acute disease

Immunoglobulins
Terziiski, A.; and Dragneva, N., 1976, Khelminologiya, Sofia, v. 1, 99-104
Ascaris suum, guinea pigs, immunization per os and parenterally, comparison of host response, results suggest that not serum antibodies but other antibodies (IgA) or other mechanisms play essential role in oral immunization with Ascaris antigen

Immunoglobulins
Schistosoma mansoni, receptor for IgG(Fc) and human β2-microglobulin on schistosomula

Immunoglobulins
Trypanosoma brucei rhodesiense, human congenital, fatal infection in mother, infant successfully treated with suramin and mel-R, immunoglobulin levels at diagnosis, during treatment, and post-treatment, case reports: Zambia

Immunoglobulins
Ascaris lumbricoides, Necator americanus, non-specific potentiation of IgE by parasitic infections in man

Immunoglobulins
Turner, K. J.; Quinn, E. H.; and Anderson, H. R., 1978, Immunology, v. 35 (2), 281-288
Asthmatic subjects from Papua New Guinea had total serum IgE levels higher than Caucasian asthmatics but similar levels of IgE antibody to mite antigens. Mite-specific antibody levels were independent of those to Ascaris and hookworm, implications for possible mechanism of regulation of asthma by intestinal parasites

Immunoglobulins
Nippostrongylus brasiliensis-infected rats, effector mechanisms of IgE-B cell-generating factor

Immunoglobulins
Isolation of rabbit IgM in high yield by convenient procedure using serum from Trypanosoma equiperdum-infected animals

Immunoglobulins
Ancylostoma caninum, relationship between IgG antibody binding to outer surface and metabolic state of infective larvae, indirect fluorescent antibody technique

Immunoglobulins
Encephalitozoon cuniculi, rabbits, humoral immune response following different routes of infection, india-ink immunoreaction test, indirect immunofluorescent antibody test, and immunodiffusion test, immunoglobulin classes involved, possible use of results in eradication program

Immunoglobulins
Nippostrongylus brasiliensis, suppression of IgE antibody production in SJL mice, non-specific suppressor T cells, characteristic of low and transient IgE antibody response in SJL mice is inherited as recessive trait controlled by single Mendelian autosomal gene and is not linked to H-2 gene complex

Immunoglobulins
Watanabe, N.; and Ovary, Z., 1977, J. Exper. Med., v. 145 (6), 1501-1510
Nippostrongylus brasiliensis, suppression of IgE antibody production in SJL mice, characterization of suppressor substance extracted from normal SJL spleen cells
Immunoglobulins

Watanabe, N.; and Ovary, Z., 1978, Internat. Arch. Allergy and Applied Immunol., v. 57 (6), 554-559
Nippostrongylus brasiliensis, AKR mice, enhancement of IgE antibody production was obtained by priming helper cells with parasite infection, X-ray irradiation eliminated suppressor cells

Immunoglobulins

elevated serum immunoglobulin levels in Orang Asli population may be related to high level of parasite infection: Malaysia

Immunoglobulins

human toxoplasmosis, high percentage of false positive results in immunofluorescence detection of IgM anti-Toxoplasma antibodies when serum used for test also contains rheumatoid factor

Immunoglobulins

Yodoi, J.; and Ishizaka, K., 1979, J. Immunol., v. 122 (6), 2577-2583
Nippostrongylus brasiliensis-infected rats, presence of T lymphocytes with Fc receptors specific for IgE

Immunoglobulins

Yodoi, J.; Ishizaka, T.; and Ishizaka, K., 1979, J. Immunol., v. 123 (1), 455-462
Nippostrongylus brasiliensis-infected rats, increase in proportion of lymphocytes bearing Fc receptors for IgE, induction of these Fc receptor bearing rat lymphocytes by IgE itself in vitro

Immunological unresponsiveness. See Immunological unresponsiveness.

Immunological tolerance. See Immunological unresponsiveness.

Immunological unresponsiveness

Haemonchus contortus, induction of selective immunological unresponsiveness in cells of blood and lymphoid tissue during primary infection may be adaptation enabling nematode to evade immunological reactions of sheep and thereby promote longevity of infections

Immunological unresponsiveness

amoebiasis, human hepatic infections, pathology and pathogenesis based on autopsies, mechanisms of evolution and extension of infections, vascular complications, immunological aberrations

Immunological unresponsiveness

Aitken, M. M.; et al., 1979, Research Vet. Sc., v. 27 (3), 306-312
Fasciola hepatica-infected and non-infected cattle, immune responses to Salmonella dublin, Brucella abortus, and ovalbumin

Immunological unresponsiveness

malaria, overt attacks in humans as cause of post-operative fever, depressed acquired immunity resulting from stress of surgery, recommends routine administration of chloroquine prior to surgical procedures: Nigeria

Immunological unresponsiveness

chronic cutaneous leishmaniasis, soldier with severe ulcers that did not heal despite 8 years of therapy with various anti-leishmanial drugs, chronicity thought to be result of immuno-deficiency, ulcers finally cured after additional therapy with monomycin: Iran (had travelled to Khouzistan)

Immunological unresponsiveness

Echinococcus multilocularis-infected mice, specific and nonspecific cell-mediated immune responses at various time intervals, data indicate that mice with chronic hydatidosis exhibit depressed in vivo CMI responses

Immunological unresponsiveness

Trypanosoma cruzi, Colombian strain, mice with reticulo-endothelial blockade due to India ink injections, cortisone-treated mice, suckling mice, severe infection with high parasitemia occurred in the animals with lowered resistance but basic strain pattern was not changed

Immunological unresponsiveness

Arredondo, B.; and Perez, H., 1979, Infect. and Immun., v. 25 (1), 16-22
Leishmania mexicana, mice, chronic infection, alterations of immune response, results suggest role for suppressor cells in pathogenesis of diffuse cutaneous leishmaniasis

Immunological unresponsiveness

Askonas, B. A.; et al., 1979, Immunology, v. 36 (2), 313-321
Trypanosoma brucei brucei, mice, functional depletion of T- and B-memory cells and other lymphoid cell populations, serum Ig levels, immunosuppression in T-deprived and CBA/N mice; cells affecting delayed hypersensitivity reactions provide only exception to general decline in immune potentia
Immunological unresponsiveness
Trypanosoma congolense, mice, significant depression of humoral immunity, simultaneous increase in background IgM plaque-forming cell levels, mitogenicity of trypanosome-derived saturated fatty acids

Immunological unresponsiveness
Assoku, R. K. G.; and Tizard, J. R., 1979, Experientia, v. 35 (1), 112-129
Trypanosoma congolense, autoantigens found to be highly mitogenic for spleen cells of normal and nude but not cyclophosphamide-treated mice, possible role of trypanosome-derived mitogen in immunosuppression associated with African trypanosomiasis

Immunological unresponsiveness
Attallah, A. M.; et al., 1979, J. Immunol., v. 122 (4), 1413-1420
Schistosoma mansoni, mice, changes in composition and functional capacity of T and B cell subpopulations during acute infection, both suppressor cells and immune complexes contribute to these changes

Immunological unresponsiveness
Barriga, F. R., 1979, Arch. Dis. Childhood, v. 54 (11), 825-830
Malaria as therapy for nephrotic syndrome of childhood, immunological and other aspects, brief review

Immunological unresponsiveness
Barriga, O. O., 1978, J. Parasitol., v. 64 (4), 638-644
Trichinella spiralis, mice pretreated with parasite extract, saline, or bovine serum albumin, biostogenic responses to T- and B-cell mitogens, production of rosette- and of direct and indirect plaque-forming cells, and titers of IgM and of IgG circulating antibodies, results indicate that suppressor T-cells apparently play major but not exclusive role in T. spiralis-induced nonspecific immunodepression

Immunological unresponsiveness
Strongyloides stercoralis, disseminated infection in renal transplant patients on immunosuppressive drugs, acute respiratory failure

Immunological unresponsiveness
Trypanosoma cruzi, fatal infection in splenectomized woman with hemolytic anemia and under prolonged corticoid therapy, had received blood transfusion from Chagasic donor, clinical aspects, pathology: Sao Paulo State, Brazil

Immunological unresponsiveness
Nematodirus dubius, arrested development of larvae in immune mice, resumption of development after cortisone treatment, arrested larvae were unsusceptible to activity of pyrantel embonate

Immunological unresponsiveness
Trichinella spiralis, delayed expulsion in mice concurrently infected with Nematodirus dubius

Immunological unresponsiveness
Pulmonary complications in immunocompromised patients, includes information on Pneumocystis carinii

Immunological unresponsiveness
Ascaridia galli-infected chickens, worm burdens with reference to arrested development and worm expulsion, effect of glucocorticoids

Immunological unresponsiveness
Toxoplasma gondii, 1-, 8-, and 10-day-old piglets (exper.), serological findings, tissue cysts, reactive changes in lymphoid tissues, incidence and severity of inflammatory lesions, organs affected; T. gondii more virulent in younger piglets due to delayed maturation of host lymphoid system during first week of life

Immunological unresponsiveness
Plasmodium berghei-infected mice, impaired traffic of lymphocytes as possible cause of immunosuppression in malaria, symposium presentation

Immunological unresponsiveness
Trichinella spiralis, effect of different phases of life cycle on delayed hypersensitivity responses to heat-killed or viable BCG, findings suggest that effect of infection on immune capabilities of host is dependent on different anatomical locations of parasite

Immunological unresponsiveness
Mechanisms by which parasites escape immune surveillance, review

Immunological unresponsiveness
Schistosoma mansoni, hepato- and splenomegaly more pronounced in mice born to infected vs. non-infected mothers and exposed as sucklings to cercariae, apparent effect of congenitally-induced modification of host immunological response (tolerance-like state)

Immunological unresponsiveness
Briner, J.; et al., 1978, Schweiz. Med. Wochenschr., v. 108 (42), 1632-1637
Strongyloides stercoralis, fatal in human following renal transplantation, case report, pathology
Immunological unresponsiveness
Plasmodium berghei-infected mice, progressive depression in splenic T-cell population, abnormal T-cell migration

Immunological unresponsiveness
Broeckxart-van Orshoven, A.; Michielsen, P.; and Vandepitte, J., 1979, Parasite Immunol., v. 1 (3), 241-249
Trypanosoma brucei brucei, membrane fractions mimic immunosuppressive and mitogenic effects of living parasites on the host

Immunological unresponsiveness
Schistosoma mansoni, T-cell deprived mice vs. normal mice, histopathology, prevention of liver cell damage surrounding egg foci by passive transfer of serum from chronically infected but not from uninfected mice

Immunological unresponsiveness
Babesia bovis causes immunosuppression against its natural tick vector Boophilus microplus

Immunological unresponsiveness
Camus, D.; et al., 1978, Pharmacol. Immunoreg., v. 1 (3), 241-249
Schistosoma mansoni, mammals, peripheral blood, and hepatic granulomas, appearance of suppressor cell activity and specific cellular unresponsiveness

Immunological unresponsiveness
Strongyloidiases, fatal severe human infections with concomitant severe intestinal amoebiasis discovered at autopsies, possibly a result of interference with host defenses

Immunological unresponsiveness
Schistosoma mansoni, mice, population dynamics of T and B lymphocytes in lymphoid organs, peripheral blood, and hepatic granulomas, appearance of B cells within granulomas may indicate that they play role in modulating granulomatous hypersensitivity

Immunological unresponsiveness
Chensue, S. W.; and Boros, D. L., 1979, J. Immunol., v. 123 (3), 1409-1414
Schistosoma mansoni, characterization of T lymphocytes involved in adoptive suppression of granuloma formation in infected mice

Immunological unresponsiveness
Chensue, S. W.; and Boros, D. L., 1979, Semaine Hop. Paris, v. 52 (2), 115-118
Pneumocystis carinii, detection in patients with either artificial or natural immune deficiencies, exper. infection of immunosuppressed rats

Immunological unresponsiveness
Clayton, C. E.; et al., 1979, Parasite Immunol., v. 1 (3), 241-249
Trypanosoma brucei brucei, membrane fractions mimic immunosuppressive and mitogenic effects of living parasites on the host

Immunological unresponsiveness
Trypanosoma brucei brucei in nude mice confirms that infection causes both enhanced Ig production and suppression of ability of B cells to respond to mitogen even in absence of T cells

Immunological unresponsiveness
Strongyloides stercoralis, West Indian man, associated small intestinal lymphoma causing obstruction, deficiency of T lymphocytes and eosinophils, lymphoma may have led to reduction in cellular immunity with subsequent development of Strongyloides hyperinfection

Immunological unresponsiveness
Colley, D. G., 1976, J. Immunol., v. 120 (4), 1225-1232
Schistosoma mansoni, passive transfers of lymphoid cells from chronically infected mice to syngeneic mice in early stages of infection suppressed granuloma formation, passive transfers of serum had no such effect

Immunological unresponsiveness
Colley, D. G.; et al., 1979, J. Immunol., v. 122 (4), 1447-1453
Schistosoma mansoni, in vitro nonspecific suppression of phytohemagglutinin responsiveness induced by exposure to certain schistosomal preparations

Immunological unresponsiveness
Schistosoma mansoni, human, induction of suppressor cell activity by schistosome antigen preparations and concanavalin A, immunoregulatory responses observed could be important in establishment of stable chronic infection state by modulating extent of egg-induced granuloma formation and preventing rejection of adult worms

Immunological unresponsiveness
Colley, D. G.; Lewis, F. A.; and Todd, C. W., 1979, Cellular Immunol., v. 46 (1), 192-200
Schistosoma mansoni, mice, adoptive suppression of granuloma formation by T lymphocytes and by lymphoid cells sensitive to cyclophosphamide

Immunological unresponsiveness
Corbett, R.; et al., 1975, Transplant. Proc., v. 7 (4), 557-559
Demodex canis, dogs, defect in cell-mediated immunity
Immunological unresponsiveness
Toxoplasma gondii, cats (exper.), immunity, effects of host age and corticosteroid administration; excretion of T. gondii, Isospora felis, and I. rivolta oocysts from cats previously infected and challenged with all three coccidia

Immunological unresponsiveness
Haemonchus contortus, sheep, vaccination protected against challenge and was associated with raised levels of abomasal mucus IgA and serum IgG antibodies in adults but lambs were not protected and did not have raised levels of these antibodies, possible implications for immune unresponsiveness of lambs

Immunological unresponsiveness
Dusznyski, D. W.; et al., 1978, J. Parasitol., v. 64 (1), 83-88
Trichinella spiralis, suppressed rejection in immunized rats concurrently infected with Eimeria nieschulzi

Immunological unresponsiveness
Plasmodium berghei berghei, Swiss albinomice infected intraperitoneally, capacity of cyclophosphamide to suppress immune response and increase pathology attributed to suppressive effects of drug upon protein synthesis, cell division and activity of reticuloendothelial cells

Immunological unresponsiveness
Plasmodium, delayed-type hypersensitivity to sheep erythrocytes was depressed during fatal P. berghei and self-limiting P. yoelii infections in mice, immunological lesion found to be at level of DTH expression (i.e., inflammatory response) rather than at level of T cell sensitization

Immunological unresponsiveness
Fujiwara, M.; and Kishimoto, S., 1979, J. Immunol., v. 123 (1), 263-268
Ascaris and depressed avidity of IgE antibody for DNP determinant

SUBJECT HEADINGS
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Immunological unresponsiveness


Wuchereria bancrofti, human, generalized immunosuppression with impairment of humoral and cell-mediated immunity against non-filarial antigens: Philippines

Immunological unresponsiveness


Toxoplasma gondii, marked depression of natural immunity in cyclophosphamide-treated rats

Immunological unresponsiveness


Toxoplasma gondii, mice, reversal of effect of cyclophosphamide by passive immunization, data indicate that antibody plays important role in establishing infection-immunity (premunition) in this system

Immunological unresponsiveness

Hali, B. T.; et al., 1979, Exper. Parasitol., v. 47 (3), 305-312

Trichinella spiralis, responses of spleen cells in mixed lymphocyte cultures (depressed) and to T-independent immunogen (enhanced) in vitro parallel alterations in immune responsiveness in vivo

Immunological unresponsiveness

Hashimoto, A., 1972, Showa Igakkai Zasshi (J. Showa Med. Ass.), v. 32 (6), 292-306

Hymenolepis nana, mice, immunity acquired from primary infection suppressed by rabbit antimonouse thymocyte serum but not by antimonouse lymphocyte serum

Immunological unresponsiveness


Trypanosoma musculi, immunosuppressive and mitogenic effects, possible relationship of mitogenesis to immunosuppression and non-specific antibody formation associated with infections

Immunological unresponsiveness

Higenbottam, T. W.; and Heard, B., E., 1976, Thorax, v. 31 (2), 226-233

Strongyloides stercoralis, man, opportunistic pulmonary infection complicating asthma treated with steroids, case report of fatal illness; emphasis on need for diagnostic awareness: London

Immunological unresponsiveness


Schistosoma mansoni, granulomatous response to parasite eggs in patient on maintenance immunosuppression after renal transplant, case report

Immunological unresponsiveness


Hymenolepis diminuta, mice, effect of cortisone treatment on worm survival, possible sites of action of cortisone in preventing worm rejection

Immunological unresponsiveness


alpha-2 macroglobulin-enzyme complexes as suppressors of cellular activity, speculations for alpha-2 macroglobulin's role in feedback regulation of cell division and for the subversion of this regulatory function by invasive organisms (including Schistosoma mansoni) and tumors
Immunological unresponsiveness
Hudson, K. M.; and Terry, R. J., 1979, Parasite Immunol., v. 1 (4), 317-326
Trypanosoma brucei, chronically infected mice, relationships between course of infection, antigenic variation, and immunodepression of antibody responses to heterologous antigens

Immunological unresponsiveness
Hunter, K. W., jr.; et al., 1979, J. Immunol., v. 123 (1), 133-137
Plasmodium yoelii, defective resistance in CBA/N mice, demonstrates that X-linked gene that affects B cell function influences malarial resistance in mice

Immunological unresponsiveness
Jacqueline, E.; Kemp, J. D., 1979, J. Immunol., v. 123 (2), 622-628
Trypanosoma brucei, mice activation of distinct helper and suppressor T cells, significance in relation to pathogenesis of trypanosomiasis

Immunological unresponsiveness
Trypanosoma brucei, mice activation of distinct helper and suppressor T cells, significance in relation to pathogenesis of trypanosomiasis

Immunological unresponsiveness
Gastrointestinal complications of immunodeficiency syndromes, review including information on Giardia lamblia

Immunological unresponsiveness
Kayes, S. G.; and Colley, D. G., 1979, J. Immunol., v. 122 (6), 2340-2344
Schistosoma mansoni, in vitro induction and assay of spleen cell suppressor activity

Immunological unresponsiveness
Ancylostoma caninum, dogs, peripheral blood lymphocyte response to phytohaemagglutinin before and after development of iron deficiency anemia

Immunological unresponsiveness
Kempmann, G.; Buehler, F.; and Koesters, W., 1976, ROEFO, v. 124 (5), 424-427
Pneumocystis carinii, human, fatal pneumocystis pneumonia after renal transplantation, clinical and radiologic findings with diagnosis confirmed only on autopsy, clinical case report; needle biopsy recommended for definitive diagnosis

Immunological unresponsiveness
Khan, Z. I.; and De Rycke, P. H., 1977, Ztschr. Parasitenk., v. 52 (3), 267-274
Hymenolepis microstoma in mice treated with cortisone, increased weight and glycogen content of worms seems to be immunosuppressive effect rather than hormonal action; cortisone in vitro produces no change in worm weight; infection by 30 worms provokes rejection process which can be partially suppressed by cortisone

Immunological unresponsiveness
Kittas, C.; and Henry, L., 1979, Clin. and Exper. Immunol., v. 36 (1), 16-23
Toxoplasma gondii, guinea pigs, effect of gonadectomy and oestrogen administration on development of lesions in non-lymphoid organs, results suggest that cell-mediated immunity is important in both pathogenesis of and resistance to non-lymphoid toxoplasmosis

Immunological unresponsiveness
Kiples, P. H.; et al., 1979, Clin. Immunol. and Immunopathol., v. 10 (2), 143-149
Eimeria tenella, C57BL/6 mice, effects of immunization and treatment with transfer factor, results suggest this host strain has genetically determined defect in cell-mediated immune response to this infection

Immunological unresponsiveness
Komatsu, T.; et al., 1979, Exper. Parasitol., v. 47 (2), 158-168
Ascaris suum, crude extract or maintenance fluid suppresses reaginic and hemagglutinating antibody responses of mice to hen egg white lysozyme
Immunological unresponsiveness
Kumar, V.; et al., 1979, Ann. Parasitol., v. 54 (3), 331-339
 Dictyocaulus viviparous, effect of immunosuppressive therapy on course of development in guinea pigs

Immunological unresponsiveness
Lalito, H.; and Kind, L. S., 1979, Infect. and Immun., v. 26 (1), 30-35
Myocoptes musculus-infested oxazolone-sensitized mice, reduction of cellular infiltration in contact sensitivity reactions to oxazolone challenge; ability of serum from infected mice to cause this reduction in cellular influx in mite-free oxazolone-sensitized mice challenged with oxazolone

Immunological unresponsiveness
Leelarasamee, A.; et al., 1978, Siriraj Hosp. Gaz., v. 30 (8), 939-943
strongyloidiasis, asymptomatic infection in persons with renal diseases higher than in normal population, recommends screening of patients prior to corticosteroid therapy to avoid dissemination of infection

Immunological unresponsiveness
Leelucharoen, R.; et al., 1979, Parasite Immunol., v. 33 (2), 253-259
Plasmidium yoelii-infected and P. bergheri-infected mice and vaccinated mice challenged with homologous parasites, changes in phagocytic and adherent cell numbers, development and suppression of population of late-adhering macrophages

Immunological unresponsiveness
Liew, F. Y.; Dhalai, S. S.; and Teh, K. L., 1979, Immunology, v. 37 (1), 35-44
Plasmidium bergheri, mice, effect of infection and of supernatant obtained from cultures of infected red cells on humoral (enhanced or suppressed) and cell-mediated (suppressed) immune responses to unrelated antigens

Immunological unresponsiveness
Long, G. W.; and Dusanic, D. G., 1978, Exper. Parasitol., v. 44 (1), 56-65
Trypanosoma lewisi, serological reactivities of exoantigens and cellular antigens of bloodstream parasites from immunosuppressed rats (precipitation and agglutination tests), results suggest that likely result of immunosuppressing host is trypanosome antigen preparation that is more reactive serodiagnostic reagent

Immunological unresponsiveness
McBride, J. S.; and Micklem, H. S., 1977, Immunology, v. 33 (2), 253-259
Plasmidium yoelii yoelii-infected mice, depressed primary response to bovine serum albumin

Immunological unresponsiveness
Mackenzie, A. R.; Sibley, P. R.; and White, B. F., 1979, Parasite Immunol., v. 1 (1), 49-59
Trypanosoma brucei-infected rats, differential suppression of 2 experimental allergic diseases

Immunological unresponsiveness
Maddison, S. E.; et al., 1979, Infect. and Immun., v. 25 (1), 249-254
Schistosoma mansoni, cellular and humoral immune responses in Macaca mulatta with multiple chronic and early primary infections

Immunological unresponsiveness
Schistosoma mansoni, effect of mutation diabetes (marked immunosuppression) on host-parasite relationship in mice, decreased granulomatous response

Immunological unresponsiveness
cholera toxin as suppressor of in vivo cell-mediated immunity, including suppression of granuloma formation around Schistosoma mansoni eggs; possible value as adjunct to current therapy

Immunological unresponsiveness
Nippostrongylus brasiliensis, mice, suppression of reaginic antibody (IgE) formation by treatment with anti-u antiserum, supports hypothesis that IgE-producing cells arise from IgM-bearing precursors

Immunological unresponsiveness
African trypanosomiasis, lymphocyte dysfunction and immunosuppression (histopathological considerations; B cell function; T cell function; macrophage function), cellular bases of immunosuppression, review

Immunological unresponsiveness
Mansfield, J. M.; and Bagasra, O., 1978, J. Immunol., v. 120 (3), 759-765
Trypanosoma rhodesiensae, mice, B cell responses to helper T cell-independent and -dependent antigens, implications for mechanism of immune system dysfunction in chronic African trypanosomiasis

Immunological unresponsiveness
Markowitz, S. M.; et al., 1978, Am. J. Path. (436), v. 92 (3), 733-743
Acanthamoeba castellani, mice (exper.), pretreated with methylprednisolone or tetracycline, increased host mortality due to depressed host immunity; potentially pathogenic role for naturally occurring Acanthamoeba sp. in immunosuppressed humans

Immunological unresponsiveness
B cells: subpopulations, tolerance, autoimmunity, and infection, review including some discussion of Schistosoma mansoni and malaria

Immunological unresponsiveness
Martynowicz, T., 1975, Acta Parasitol. Polon., v. 23 (41-51), 603-635
Trichinella spiralis, guinea pigs, treatment with immunosuppressive drugs, immunologic observations (macrophage migration inhibition test, serologic tests), immunohistochemical observations, behavior of mast cells, histopathology, parasitologic observations
Immunological unresponsiveness
Ascariasis, chickens, lowered degree of immunity to Newcastle disease after vaccination against this disease

Immunological unresponsiveness
Nematodes, dexamethasone-treated sheep and controls exposed to infective larvae on pasture, faecal egg counts and worm burdens of dexamethasone-treated sheep were much higher than controls

Immunological unresponsiveness
Trypanosoma brucei, mice, extensive proliferation of B, T, and null cells in spleen and bone marrow, still unclear whether there is any primary target cell for immunosuppression

Immunological unresponsiveness
Strongyloides stercoralis, woman, development of hyperinfection syndrome while on high-dose corticosteroids and following splenectomy, central nervous system involvement, antemortem diagnosis, thiamidazole, levamisole, and mebendazole therapy: Memorial Sloan-Kettering Cancer Center, New York (had traveled in Italy and Sicily)

Immunological unresponsiveness
Mendes, R. P.; Takehara, H. A.; and Mota, I., 1979, Exper. Parasitol., v. 48 (3), 345-351
Trypanosoma cruzi, mice with acute and chronic infection, homocytotropic antibody response to unrelated antigens, loss of T-cell regulatory mechanism may explain results

Immunological unresponsiveness
Trypanosoma cruzi, demonstration of avirulence of PF strain in mice vaccinated and treated with immunosuppressive drugs

Immunological unresponsiveness
Trypanosoma cruzi, immunosuppression by immunotolerance by inoculating avirulent PF strain in very high doses, mice

Immunological unresponsiveness
Trypanosoma cruzi, antilymphocytic serum enhanced infection in dogs infected with virulent strain of parasite but could not promote evident infection and disease in dogs injected with live avirulent T. cruzi PF strain

Immunological unresponsiveness
Strongyloides stercoralis, hyperinfection in patient who received intensive immunosuppression after renal allograft, fatal illness from septicaemia and respiratory infection caused by parasitism: Johannesburg, South Africa

Immunological unresponsiveness
Michel, J. C.; Lagrange, P. H.; and Hurltrel, B., 1979, Parasite Immunol., v. 1 (4), 267-275
Plasmodium-infected mice, profound alteration of inductive phase of delayed-type hypersensitivity and antibody formation to sheep erythrocytes when sensitization with antigen was performed intravenously at critical time of disease but not after subcutaneous immunization, suggests major role for spleen in mechanism of immunodepression

Immunological unresponsiveness
Miller, K. L.; Good, A. H.; and Mishell, R. I., 1978, Infect. and Immun., v. 22 (2), 365-370
Trypanosoma cruzi, in vitro response to sheep erythrocytes of mesenteric lymph node cells from infected mice is significantly depressed and can be restored to control levels by addition of activated peritoneal cells depleted of functional T or B lymphocytes, results suggest that immunodepression in infected mice is primarily result of alterations in functional accessory cells

Immunological unresponsiveness
Immunological and 'paraimmunological' responses to infection with metazoan and protozoan parasites in mouse models, extensive review

Immunological unresponsiveness
Strongyloides ratti in rats, effect of betamethasone on course of infection

Immunological unresponsiveness
Moqbel, R.; and Wakelin, D., 1979, Exper. Parasitol., v. 47 (1), 65-72
Trichinella spiralis, Strongyloides ratti, immune interaction in adult rats, may involve interplay of cross-immunity and cross-suppression

Immunological unresponsiveness
Schistosoma mansoni, mice with heavy infections showed immunodepression that was not observed in mice with light infections

Immunological unresponsiveness
Trypanosoma brucei in Peromyscus maniculatus, chronic infection, soluble immunosuppressor substance in spleen, in vivo (mice) and in vitro studies

Immunological unresponsiveness
Giardia lamblia, humans, no immunodeficient basis for endemic giardiasis found in comparative survey of immunoglobulins in serum and duodenal juice and of T and B lymphocyte sub-populations of infected vs. non-infected persons: North India
Immunological unresponsiveness

Giardia lamblia, humans, investigation of humoral and cellular immunity shows no impairment of immune functions

Immunological unresponsiveness

Nasser, M.; and Modabber, F. Z., 1979, Infect. and Immun., v. 26 (2), 611-614
Leishmania tropica major in BALB/c mice, generalized infection and lack of delayed hypersensitivity, comparison with other mouse strains which exhibit localized and self-healing infection with this organism

Immunological unresponsiveness

Dipetalonema viteae-infected hamsters with microfilaremic infections, immunosuppressive drugs caused reappearance of microfilariae

Immunological unresponsiveness

Nielsen, K.; et al., 1978, Expierientia, v. 34 (1), 118-119
Trypanosoma lewisi-infected or decomplemented rats, increased susceptibility to Salmonella typhimurium infection; decomplemented rats subsequently infected with T. lewisi developed higher blood parasitemia than did normal T. lewisi-infected rats

Immunological unresponsiveness

Strongyloides ratti, rats, primary and secondary infections, expulsion kinetics and intestinal mast cell counts, antithymocyte serum suppressed expulsion as well as intestinal mast cell and circulating eosinophil responses to primary infection

Immunological unresponsiveness

Strongyloides ratti, rats, cortisone suppressed both primary and secondary expulsion and reduced intestinal mast cell response but did not induce hyperinfection, capacity to expel worms was recovered less than 2 weeks after termination of cortisone administration

Immunological unresponsiveness

males of 3 ethnic groups and 3 age groups inhabiting same locality, haematological status (including anemia), spleen and liver enlargement, immunoglobulin status, malaria parasite rates, other parasite infections, possible associations between these and other factors (including nutrition, sickle cell trait, altered immune response to malaria): Northern Nigeria

Immunological unresponsiveness

Orjin, A. U.; and Nussenzweig, R. S., 1979, Clin. and Exper. Immunol., v. 38 (1), 1-8
Plasmodium berghei, mice, suppression of antibody response to sporozoite stage by acute blood infection

Immunological unresponsiveness

Ottesen, E. A.; et al., 1979, J. Immunol., v. 123 (4), 1529-1544
Schistosoma mansoni, human, adherent suppressor cells that inhibit lymphocyte proliferative responses to parasite antigens

Immunological unresponsiveness

Schistosoma mansoni, patients with acute, subacute, and chronic disease before and after niridazole treatment, lymphocyte responsiveness to schistosome antigens, possible implications of diminished cellular immune reactivity in chronic disease state

Immunological unresponsiveness

Toxoplasma gondii, increased risk of toxoplasmosis in immunosuppressed patients with malignant lympho-reticulo-endothelial diseases

Immunological unresponsiveness

Trypanosoma equiperdum, immunodepressed mice cannot be cured by treatment with an association of electromagnetic waves and a magnetic field

Immunological unresponsiveness

Pearson, T. W.; et al., 1978, European J. Immunol., v. 8 (10), 723-732
Trypanosoma congolense-infected mice, depressed T lymphocyte responses

Immunological unresponsiveness

Pearson, T. W.; et al., 1979, European J. Immunol., v. 9 (3), 200-204
Trypanosoma congolense-infected, suppression of both B and T lymphocyte responses by spleen cells from infected mice, mechanism of suppression is complex and probably involves more than 1 cell type

Immunological unresponsiveness

schistosomiasis, review of current evidence that both induction and amelioration of hepatosplenic disease are immunologically mediated

Immunological unresponsiveness

Perez, H.; Arredondo, B.; and Gonzalez, M., 1978, Infect. and Immun., v. 22 (2), 501-507
Leishmania mexicana, 2 human strains (one from typical case of American cutaneous leishmaniasis and one from case of diffuse cutaneous leishmaniasis) in 2 strains of inbred mice, course of lesions, delayed hypersensitivity response, agglutinating antibodies, in vitro responses to leishmanial antigens and to mitogens, results show impaired immune response in BALB/c mice
Immunological unresponsiveness
Perez, H.; Malave, I.; and Arredondo, B., 1979, Clin. and Exp. Immunol., v. 38 (3), 453-460

Leishmania mexicana, course of infection in normally nourished vs. protein-deficient mice, possible interaction between malnutrition, impairment of immune response, and chronicity of cutaneous leishmaniasis

Immunological unresponsiveness
Pifer, L. L.; et al., 1978, Pediatrics, Am. Acad. Pediat., v. 61 (1), 35-41

Pneumocystis carinii, methods (counterimmuno-electrophoresis and indirect immunofluorescence) of detecting antigen and antibody in sera of normal and immunosuppressed children, evidence that subclinical infections are highly prevalent in normal children while active disease is prevalent in the compromised child

Immunological unresponsiveness

Leishmania tropica major, experimental cutaneous leishmaniasis, anergy and allergy in cellular immune response during non-healing infection in different strains of mice

Immunological unresponsiveness

Onchocerciasis in districts with and without high prevalence, prevalence of lepromatous leprosy about twice as high in areas where onchocerciasis is hyperendemic, reduced level of immunity because of onchocerciasis: Republic of Upper Volta, West Africa

Immunological unresponsiveness
Ramalho-Pinto, F. J.; Smithers, S. R.; and Playfair, J. H. L., 1979, J. Immunol., v. 123 (2), 507-514

Schistosoma mansoni, suppression of helper T cell response to TNP-schistosomula in rats and mice

Immunological unresponsiveness
Ramos, C.; et al., 1978, Exper. Parasitol., v. 45 (2), 190-199

Trypanosoma cruzi, infection in mice induces immunosuppression due to both T-dependent and T-independent antigens, depression observed is not due to alteration in macrophage function

Immunological unresponsiveness
Ramos, C.; Scheadtler-Siwon, I.; and Ortiz-Ortiz, L., 1979, J. Immunol., v. 122 (4), 1243-1247

Trypanosoma cruzi, mice, infection elicits generation of T cells in spleen suppressive to T and B cell mitogenic responses

Immunological unresponsiveness
Reed, S. G.; Larson, C. L.; and Speer, C. A., 1977, Ztschr. Parasitenk., v. 52 (1), 11-17

Trypanosoma cruzi, mice immunized by Freund's adjuvant or oxazolone, acute infection suppresses cell-mediated immunity to these antigens; immunization with live T. cruzi before infection resulted in greater than normal oxazolone sensitivity, mice survived infection; inconclusive as to whether immunosuppression due to infection is directed toward induction or toward expression of cell-mediated response

Immunological unresponsiveness
Reed, S. G.; Larson, C. L.; and Speer, C. A., 1978, Infect. and Immun., v. 22 (2), 548-554

Trypanosoma cruzi, contact sensitivity responses in infected mice, results indicate that suppression of contact sensitivity during acute infection is directed toward effenter arm rather than afferent arm of response

Immunological unresponsiveness
Reid, H. W.; et al., 1979, Infect. and Immun., v. 23 (2), 192-196

Trypanosoma brucei, mice, effect of chronic infection on course of loping-ill virus infection, results indicate that immunosuppressive effect of chronic trypanosomiasis may markedly increase susceptibility to acute virus infection and may alter epidemiology of arthropod-transmitted viruses

Immunological unresponsiveness
Reiner, N. E.; et al., 1979, J. Infect. Dis., v. 140 (2), 162-168

Schistosoma mansoni, patients with advanced chronic hepatosplenic disease, concurrent responses of peripheral blood and splenic mononuclear cells to antigenic and mitogenic stimulation

Immunological unresponsiveness

Trypanosoma congolense-infected mice, numbers of parasites in peripheral blood, changes in spleen cell populations, immune depression, suppressor cell activity, changes after benenil treatment

Immunological unresponsiveness
Roelants, G. E.; et al., 1979, European J. Immunol., v. 9 (3), 195-199

Trypanosoma congolense-infected mice, composition of spleen cell populations used for functional assays, drastic reduction in B and T lymphocyte function cannot be due simply to dilution of relevant cells by null cells

Immunological unresponsiveness
Rowe, M. E.; et al., 1979, Parasite Immunol., v. 1 (2), 125-132

Eimeria nieschulzi, Nippostrongylus brasiliensis, failure of nude (athymic) rats to become resistant to reinfection

Immunological unresponsiveness
Rose, M. E.; and Hesketh, P., 1979, Infect. and Immun., v. 26 (2), 630-637

Eimeria spp. infections in normal animals vs. in animals with functional deficiencies in either T-lymphocytes or B-lymphocytes

Immunological unresponsiveness
Rowland, E. C.; and Kuhn, R. E., 1978, J. Parasitol., v. 64 (4), 741-742

Trypanosoma cruzi, mice, suppression of anamnestic cellular responses in immunized animals, suppression shows nonspecific character, could be speculated that T. cruzi acts as tolerogen during infection resulting in anergic condition similar to desensitization
Immunological unresponsiveness
Rowland, E. C.; and Kuhn, R. E., 1978, Infect. and Immun., v. 20 (2), 393-397
Trypanosoma cruzi, mice (2 strains of differing resistance), suppression of cell-mediated responses during infection, significance unclear

Immunological unresponsiveness
Trypanosoma congolense, T. vivax, cattle, immunosuppressive effect on secondary humoral immune response to Mycoplasma mycoides

Immunological unresponsiveness
Rurangirwa, F. R.; et al., 1979, Infect. and Immun. v. 26 (3), 822-826
Trypanosoma congolense or T. vivax-infected Bos indicus, suppression of antibody response to Leptospira biflexa and Brucella abortus and recovery from immunosuppression after berenil treatment

Immunological unresponsiveness
Toxoplasma gondii, human, heart transplants, strong implication that donors' hearts were most likely source of infection, case reports

Immunological unresponsiveness
Trypanosoma cruzi, lymphocytes of mice inoculated with avirulent PF strain conferred immunity in mice (treated with immunosuppressive drugs or untreated) against infections with the virulent Y strain; newborn mice treated with immunosuppressive drugs showed no protection against the virulent strain

Immunological unresponsiveness
Scalise, G.; et al., 1978, J. Med. Primatol., v. 7 (2), 114-118
Plasmodium inui-infected Macaca mulatta had enhanced susceptibility to hepatitis B virus

Immunological unresponsiveness
Toxoplasma gondii in bone marrow of cat with terminal erythroblastosis assumed that immune defenses deteriorated

Immunological unresponsiveness
Trypanosoma cruzi-infected mice inoculated with sheep red blood cells, alterations in immune response and their possible mechanisms

Immunological unresponsiveness
Strongyloides stercoralis, hyperinfected anephric patient on hemodialysis, successful use of thiabendazole, pharmacokinetic information

Immunological unresponsiveness
Leishmania tropica, in vitro suppression of lymphocyte blastogenic response to mitogen and antigen

Immunological unresponsiveness
Anaplasma marginale in Bubalus bubalis (exper.), clinical course, haematological changes, effect of immunosuppressants

Immunological unresponsiveness
Trypanosoma evansi, goats (exper.), immunosuppressive response of Brucella abortus vaccinations, reversal after naganol treatment

Immunological unresponsiveness
Taenia crassiceps, mice, kinetics of primary and secondary infections, prior subcutaneous implantation of larvae stimulates immunity to larvae inoculated intraperitoneally, two distinct components in host response, reduction in host response associated with increased worm burdens may indicate possible depression of host immune system

Immunological unresponsiveness
Smith, R. J.; and Aldini, L. P., 1978, J. Parasitol., v. 64 (5), 936-937
Plasmodium bergheri, 17-X and NYU-2 strains, mice, immunosuppression using triamcinolone acetonide

Immunological unresponsiveness
Smrkovski, L. L.; Larson, C. L.; and Reed, S. G., 1978, Infect. and Immun., v. 25 (3), 1078-1080
Leishmania donovani, increased susceptibility in congenitally athymic mice, correlated with lack of Arthus and delayed type responses

Immunological unresponsiveness
Smrkovski, L. L.; and Strickland, G. T., 1978, J. Immunol., v. 121 (4), 1257-1261
Plasmodium bergheri, mice, single or multiple immunizations with BCG and/or irradiated sporozoites (varying degrees of protection), immunization with irradiated sporozoites before BCG (suppression of protective immunity against sporozoite challenge)

Immunological unresponsiveness
Cryptosporidium [sp.] in Arabian foals (intestine, stomach, pancreatic and bile ducts, gall bladder) with inherited combined immunodeficiency, mixed infection with adenovirus, difficult to separate effects of both agents: Colorado State University

Immunological unresponsiveness
Toxoplasma gondii, child receiving immunosuppressive drugs for rheumatoid arthritis, recurrent infection with toxoplasmosis resulting in fatal encephalitis: Sao Paulo, Brazil
Immunological unresponsiveness


Giardia muris-infected mice, resistance to infection transferred passively in mother's milk, during lactation in immune females; maternal intestinal resistance to Giardia is temporarily lost

Immunological unresponsiveness


Giardia muris in nude mice, demonstration of persistent infection and failure to acquire demonstrable resistance to subsequent challenge

Immunological unresponsiveness

Stockinger, H.; and Koenig, W., 1979, Behring Inst. Mitt. (64), 127-130

Nippostrongylus brasiliensis, rats, effects of cell-bound and circulating immune complexes on lymphocyte proliferation, suggested that immune complexes mediate diminution in mitogenic responsiveness

Immunological unresponsiveness

Strambachova-McBride, J.; and Micklem, H. S., 1979, Parasite Immunol., v. 1 (2), 141-157

Plasmodium berghei- and P. yoelii yoelii-infected mice, immunosuppression, secondary response to bovine serum albumin

Immunological unresponsiveness

Strambachova-McBride, J.; and Micklem, H. S., 1979, Immunology, v. 36 (3), 607-614

Plasmodium berghei, P. y. yoelii, mice, primary antibody response to immunogenic alum-adsorbed bovine serum albumin (BSA) was depressed and induction of immunological memory by soluble polymerized BSA was suppressed in both infections but neither interfered with induction of low-zone tolerance by monomeric BSA

Immunological unresponsiveness

Strickland, G. T.; DeSilva, S.; and Sayles, P. C., 1979, Tropenmed. u. Parasitol., v. 30 (1), 35-42

Plasmodium yoelii infection in mice and P. falciparum and P. vivax infection in humans, changes in lymphocyte populations during acute infection thought to be related to development of malarial immunity and immunodepression

Immunological unresponsiveness


tropical splenomegaly in humans thought to be lymphoproliferative disorder secondary to abnormal immunological reaction to malarial infection, prolonged antimalarial therapy treatment of choice

Immunological unresponsiveness


Entamoeba histolytica, possible hazards of administering corticosteroids to persons who may have amoebiasis, steroid therapy may result in acute amoebic dysentery or exacerbation of amoebiasis, case reports

Immunological unresponsiveness


Plasmodium berghei-infected mice, sensitization to sheep red blood cells by subcutaneous vs. intravenous routes, difference in cell-mediated immune reaction in regional lymph nodes and spleens, results show difference between iv and sc sensitized mice in immunodepression by malaria

Immunological unresponsiveness


Trichinella spiralis infection causes dramatic changes in mouse's thymic, splenic, and lymph node cell populations, suggested that these phenomena contribute to the immunosuppression which is characteristic of T. spiralis infections

Immunological unresponsiveness


Plasmodium falciparum, suppression of lymphocyte transformation by plasma from acutely infected Aotus trivirgatus griseimembra

Immunological unresponsiveness


Trypanosoma cruzi, children with apparent vs. inapparent acute Chagas' disease, clinical and laboratory findings, humoral antibody response, delayed-type skin responses, inhibition of leukocyte migration, serum proteins and immunoglobulins; demonstration of cell-mediated immunodepression in inapparent acute disease

Immunological unresponsiveness


immunodepression in parasite infections, colloquium presentation

Immunological unresponsiveness


Mefloquine (new antimalarial compound), effect on mitogen-induced human and mouse lymphocyte proliferative responses, effect on antibody responses and delayed-type hypersensitivity responses to sheep red blood cells in treated mice

Immunological unresponsiveness


Mefloquine (new antimalarial compound), effect on mitogen-induced human and mouse lymphocyte proliferative responses, effect on antibody responses and delayed-type hypersensitivity responses to sheep red blood cells in treated mice

Immunological unresponsiveness


Quinine, inhibition of mitogen-induced human lymphocyte proliferative responses, this immunosuppressive property may be undesirable side effect in treatment of malaria

Immunological unresponsiveness


Primaquine possesses potent immunosuppressive activity at concentrations within therapeutic range for vivax malaria
Immunological unresponsiveness
Todd, C. W.; Goodgame, P. W.; and Colley, D. G., 1979, J. Immunol., v. 122 (4), 1440-1446
Schistosoma mansoni, suppression of schistosome antigen-specific lymphocyte blastogenesis by adherent/phagocytic cells

Immunological unresponsiveness
Trypanosoma evansi, albino rats (exper.), effect of prednisolone 7 days before infection until death on course of disease

Immunological unresponsiveness
Entamoeba histolytica-infected rats pre-treated with corticosteroids, irradiation or both, exacerbation of amoebic pathology, corticosteroid therapy possibly aggravates otherwise sub-clinical infection

Immunological unresponsiveness
Walzer, P. N.; Powell, R. N., jr.; and Yoneda, K., 1979, Infect. and Immun., v. 24 (3), 939-947
Pneumocystis carinii, cortisonized mouse as experimental model for pneumocystis pneumonia, host strain differences

Immunological unresponsiveness
Schistosomiasis, modulation of immunopathology, review

Immunological unresponsiveness
Nippostrongylus brasiliensis, suppression of IgE antibody production in SJL mice, non-specific suppressor T cells, characteristic of low and transient IgE antibody response in SJL mice is inherited as recessive trait controlled by single Mendelian autosomal gene and is not linked to H-2 gene complex

Immunological unresponsiveness
Watanabe, N.; and Ovary, Z., 1977, J. Exp. Med., v. 145 (6), 1501-1510
Nippostrongylus brasiliensis, suppression of IgE antibody production in SJL mice, characterization of suppressor substance extracted from normal SJL spleen cells

Immunological unresponsiveness
Watanabe, N.; and Ovary, Z., 1978, Internat. Arch. Allergy and Applied Immunol., v. 57 (6), 554-559
Nippostrongylus brasiliensis, AKR mice, enhancement of IgE antibody production was obtained by priming helper cells with parasite infection, X-ray irradiation eliminated suppressor cells

Immunological unresponsiveness
Plasmodium berghei subspp.-infected mice, immunodepression

Immunological unresponsiveness
Weinbaum, F. I.; et al., 1978, J. Immunol., v. 121 (2), 629-634
Plasmodium berghei yoelii (substrain 17X nonlethal) in BALC/c mice, kinetics of various specific and nonspecific cellular and humoral responses during course of infection

Immunological unresponsiveness
Cryptosporidium [sp.], human, case report, immunosuppressed renal-transplant recipient with IgA deficiency: Johns Hopkins Hospital

Immunological unresponsiveness
Dipetalonema viteae in 2 strains of hamster, lymphocyte blastogenesis (during different stages of primary infection, after injection of dead larvae, after implantation of adult worms, in mixed infection with Schistosoma mansoni), attempts to relate results with parasitological findings and with humoral immune response, analysis of cellular unresponsiveness to filarial antigens in chronically infected LAKZ hamsters

Immunological unresponsiveness
Trypanosoma rhodesiense-infected mice, spleen is major target organ for immunosuppression, suppression is attributable to emergence of suppressor macrophage population that is restricted to the spleen

Immunological unresponsiveness
Whitelaw, D. N.; et al., 1979, Research Vet. Sc., v. 26 (1), 102-107
Trypanosoma spp., cattle, mice, suppression of antibody response to Louping-ill vaccine, value of diminazene therapy in alleviating this effect

Immunological unresponsiveness
Wikel, S. K.; Graham, J. E.; and Allen, J. R., 1978, Immunology, v. 34 (2), 257-265
Dermacentor andersoni, guinea pigs, development of resistance after one infestation, presence of cell-mediated immune component indicated by delayed skin reactivity and in vitro lymphocyte responsiveness to salivary gland antigen, evidence suggests that tick infestation might induce degree of immunosuppression in host

Immunological unresponsiveness
Willkie, B. N.; Markham, R. J. F.; and Hazlett, C., 1979, Canad. J. Comp. Med., v. 43 (4), 415-419
Demodex canis, healthy Doberman puppies from kennel with high prevalence of mange, cell mediated immunological reactions, deficient cutaneous delayed response to phytohemagglutinin injection

Immunological unresponsiveness
Boophilus microplus, Bos taurus of high and low resistance, skin histamine concentration, histamine sensitivity, suppression of cutaneous hypersensitivity reactions with mepyramine maleate
Immunological unresponsiveness
Plasmodium falciparum, children, hypocomplementaryma may be severe during acute infections but is only transient

Immunological unresponsiveness
Plasmodium falciparum, impairment of immune response of children vaccinated with Salmonella typhi and meningococcal vaccines after onset of acute malarial attack; significant correlation found between height of parasitemia and degree of immunosuppression

Immunological unresponsiveness
Wilson, R. J. M., 1974, Ciba Found. Symp., n.s. (25), 185-203
soluble parasite antigens, possible modes of interference with immune response, review

Immunological unresponsiveness
Entopolypoides sp. intraerythrocytic parasitism in 2 humans with hepatic dysfunction, description of serum factors inhibiting phytohemagglutinin response by normal lymphocytes suggests that hepatic dysfunction induces serum factors that diminish cellular immunity and allow patent parasitemia to develop: United States (one patient was born in Turkey; the other was a merchant seaman who traveled extensively)

Immunological unresponsiveness
Wyller, D. J.; Oppenheim, J. J.; and Koontz, L. C., 1979, Infect. and Imm., v. 24 (1), 151-159
Plasmodium berghei, P. yoelii, mice, effects of infection on ability of adherent mononuclear cells to elaborate soluble mediators that regulate lymphocyte activation in vitro

Immunological unresponsiveness
Trypanosoma evansi, dogs (exper.), changes in peripheral blood T- and B-lymphocytes

Immunopathology
macrophage activation and its relevance to immunology and immunopathology of parasitic diseases, colloquium presentation

Immunopathology
immunopathology due to complexes of antigen and antibody (Type III reactions) in parasitic infections

Immunopathology
Schistosoma mansoni, boy, massive infection, pathology, case report: State of Bahia, Brazil

Immunopathology
Andrade, Z. A.; and Rocha, H., 1979, Kidney Internat., v. 16 (1), 23-29
Schistosoma mansoni, glomerulopathy, clinical manifestations, pathology, immunopathology, therapy, humans

Immunopathology
Arredondo, B.; and Perez, H., 1979, Infect. and Immun., v. 25 (1), 16-22
Leishmania mexicana, mice, chronic infection, alterations of immune response, results suggest role for suppressor cells in pathogenesis of diffuse cutaneous leishmaniasis

Immunopathology
Trypanosoma congolesense, mice, significant depression of humoral immunity, simultaneous increase in background IgM plaque-forming cell levels, mitogenicity of trypanosome-derived saturated fatty acids

Immunopathology
Trypanosoma cruzi, patients with chronic myocarditis vs. indeterminate phase of Chagas' disease, leucocyte migration inhibition test using parasite vs. heart antigens

Immunopathology
schistosomiasis, humans with nephrotic syndrome, renal biopsy showed amyloid deposits, speculation that deposits are associated with circulating immune complexes

Immunopathology
trypanosomiasis, humans, problems in diagnosis and management emphasizing haematological and immunological aspects, clinical course in 5 cases, indications of continuation of immune complex process in spite of therapy that eradicates parasite: Voortrekkerhoogte, Tvl.

Immunopathology
Beaufils, H.; et al., 1978, Trop. and Geogr. Med., v. 30 (2), 185-191
Schistosoma haematobium, prevalence and type of glomerular lesions in human infections using light microscopy, ultrastructure and immunofluorescence techniques: Mali, Senegal, and Ivory Coast

Immunopathology
Schistosoma mansoni, human, determination of clastase in blood platelets and the role of clastase in granuloma formation in lungs

Immunopathology
Opisthorchis viverrini-infected Syrian golden hamsters, liver histopathology, immunopathologic mechanisms may be important in pathogenesis; hamster is suitable model host
Immunopathology
Boonpucknavig, S.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (4), 79-83
Plasmodium berghei, mice, treatment with carbon particles in attempts to block macrophages, alterations in immune response, immunopathology, and histology patterns

Immunopathology
Boonpucknavig, V.; Boonpucknavig, S.; and Bhamarapravati, N., 1979, Arch. Path. and Lab. Med., v. 103 (11), 567-572
Plasmodium berghei-infected mice treated with chloroquine phosphate, focal glomerulonephritis in hyperimmune state, clinical, immunopathologic, and histopathologic findings

Immunopathology
Boonpucknavig, V.; and Sitprija, V., 1979, Kidney Internat., v. 16 (1), 44-52
Plasmodium falciparum, man, renal disease associated with acute infection, extensive review

Immunopathology
Schistosoma mansoni, hepatosplenic schistosomiasis, ultrastructural study of associated kidney pathology, kidney biopsies showed electron dense deposits thought to be gamma globulin

Immunopathology
Schistosoma mansoni in T-cell deprived vs. normal mice, histopathology, prevention of liver cell damage by foci of egg granulomas passive transfer of serum from chronically infected but not from uninfected mice

Immunopathology
Byram, J. E.; et al., 1979, Am. J. Path. (441), v. 94 (2), 201-222
Schistosoma mansoni, S. Japanicum, mice, potentiation of schistosome granuloma formation by lentinan (a T-cell adjuvant)

Immunopathology
Trypanosoma cruzi, patients with chronic Chagasic cardiopathy, presence of anti-myocardium antibody in sera

Immunopathology
Schistosoma mansoni, mice, population dynamics of T and B lymphocytes in lymphoid organs, peripheral blood, and hepatic granulomas, appearance of B cells within granulomas may indicate that they play role in modulating granulomatous hypersensitivity

Immunopathology
Filarialiasis, man, associated mesangio-proliferative glomerulonephritis possibly an immune-complex reaction, case report

Immunopathology
Schistosoma mansoni, passive transfers of lymphoid cells from chronically infected mice to syngeneic mice in early stages of infection suppressed granuloma formation, passive transfers of serum had no such effect

Immunopathology
Colley, D. G.; Lewis, F. A.; and Todd, C. W., 1979, Cellular Immunol., v. 46 (1), 192-200
Schistosoma mansoni, mice, adoptive suppression of granuloma formation by T lymphocytes and by lymphoid cells sensitive to cyclophosphamide

Immunopathology
Corbett, R. N.; and Pinardi, E.; et al., 1974, Ciba Found. Symp., v. 2 (20), 159-169
Cutaneous leishmaniasis, clinical and immunopathological spectrum in South America, review

Immunopathology
Immunopathology due to Type II reactions, review

Immunopathology
Crowell, W. A.; and Votava, C. L., 1975, Transplant. Proc., v. 7 (4), 557-559
Demodex canis, dogs, defect in cell-mediated immunity

Immunopathology
Dipetalonema vitaeae-infected Mesocricetus auratus, amyloidosis, microfilariae probably served as antigenic stimulus in pathogenesis

Immunopathology
Schistosoma mansoni, infection induces T-cell-independent autoantibody (antinuclear antibody) in athymic mice and T-cell-dependent antischistosome antibodies in thymus-intact mice, both types of antibodies deposit in kidneys as immunocomplexes

Immunopathology
Date, A.; et al., 1979, Postgrad. Med. J., London (650), v. 55, 905-907
Acute immune complex eosinophilic glomerulonephritis in 44-year-old man with Bancroftian filariasis, possible aetiological relationship
Immunopathology
Decker-Jackson, J. E.; and Honigberg, B. M., 1978, J. Protozool., v. 25 (4), 514-525
Leishmania donovani, antigenically active glycoproteins released by parasites: immunologic properties and relationships with Mycobacterium antigens and human red cell antigens; preliminary biochemical analysis; possible involvement in pathogenesis of kala azar

Immunopathology
Digeon, M.; et al., 1979, Clin. and Exper. Immunol., v. 35 (3), 329-337
Schistosoma mansoni, mice, IgG and IgM but not IgA anti-schistosome antibodies, circulating immune complexes containing schistosomal antigen, glomerular mesangial deposits of IgA, IgM, and C3

Immunopathology
Helminthiasis, role of homocytotropic antibodies in immunity and pathology with special reference to induction and potentiation of IgG production, review

Immunopathology
Schistosoma mansoni in T-cell deprived vs. normal mice, parasite pathology (worm burdens, tissue and fecal egg counts), host response (hematology, serum transaminase levels), ameliorating effect of administering homologous chronic infection serum or heterologous rabbit anti-S. mansoni egg antisera, roles played by cell-mediated vs. humoral immune responses in reaction against schistosome egg products

Immunopathology
Dirofilaria immitis, dog, secondary renal amyloidosis and glomerulonephritis, immune-complex mechanism

Immunopathology
Plasmodium berghei berghei, Swiss albino mice infected intraperitoneally, capacity of cyclophosphamide to suppress immune response and increase pathology attributed to suppressive effects of drug upon protein synthesis, cell division and activity of reticuloendothelial cells

Immunopathology
Epstein, W. L.; et al., 1979, J. Path., v. 127 (4), 207-215
Schistosoma mansoni, normal and athymic mice, granulomatous inflammation, ultrastructural study

Immunopathology
Facer, C. A.; et al., 1978, Exper. Parasitol., v. 44 (2), 249-261
Trypanosoma brucei, rabbits, renal pathology, glomerular changes result from deposition of soluble trypanosome immune complexes, tubular changes are typical of tissue ischemia, trypanosomiasis in rabbit could be valuable model

Immunopathology
Facer, C. A.; Bray, R. S.; and Brown, J., 1979, Clin. and Exper. Immunol., v. 35 (1), 119-127
Plasmodium falciparum, Gambian children, direct Coombs antiglobulin reactions, incidence and class specificity, results indicate that sensitization of non-parasitized erythrocytes contributes to pathogenesis of anemia

Immunopathology
Entamoeba histolytica, liver auto-antibodies in sera from both naturally infected humans and immunized rabbits

Immunopathology
Several conditions of abnormal pregnancy including 3 patients with Plasmodium falciparum malaria, deposition of complement components within placenta

Immunopathology
Ferguson, A.; and Macdonald, T. T., 1977, Ciba Found. Symp., n.s. (46), 305-327
Effects of local delayed hypersensitivity on the small intestine, review including some information on Giardia lambia and Nippostrongylus brasiliensis

Immunopathology
Ferluga, J.; Doenhoff, M. J.; and Allison, A. C., 1979, Parasite Immunol., v. 1 (4), 289-294
Schistosoma mansoni, mice in granulomatous stage of infection, increased hepatotoxicity of bacterial lipopolysaccharide

Immunopathology
Trypanosoma brucei, comparative immunopathological studies in normal, athymic nude, irradiated, or newborn mice, results show that immunodeficiency suppresses development of characteristic muscle lesions of African trypanosomiasis and that passive transfer of normal spleen cells or normal T lymphocytes could induce characteristic lesions in infected athymic nude mice and that anti-trypanosome antibody could partly do so

Immunopathology
Onchocerca volvulus, clinicopathologic study of 34 patients with lymphadenitis, possible role of immune complexes: Africa; Yemen

Immunopathology
Echinococcosis, experimental infection of calves, lambs, and piglets with swine and ovine strains, possibility of autoimmune aspects of pathogenesis

Immunopathology
Goodgame, R. W.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1174-1180
Schistosoma mansoni, patients with hematopoietic vs. intestinal disease, humoral immune responses, no evidence of alterations which might contribute to pathogenesis of hematopoietic disease
Immunopathology
African trypanosomiasis, mechanisms of pathogenesis, review

Immunopathology
summing-up of symposium on immunology and immunopathology of malaria

Immunopathology
Plasmodium falciparum, children, no evidence that any of several immunological factors investigated plays important role in pathogenesis of anemia

Immunopathology
Trypanosoma gambiense extract, mitogenic activity, possible role of mitogenic factor in pathogenesis of hypergammaglobulinemia of African trypanosomiasis

Immunopathology
Plasmodium falciparum-infected human red blood cells, supernatants from cultures stimulated lymphocytes from both malaria immune and malaria-non-immune donors, parasite-derived mitogen may play role in pathogenesis of hypergammaglobulinemia

Immunopathology
Hendrickse, R. G.; and Adeniyi, A., 1979, Kidney Internat., v. 16 (1), 64-74
Plasmodium malariae, children, causing immune complex nephritis, presenting clinical and biochemical findings, renal pathology

Immunopathology
Schistosoma mansoni, human kidneys from autopsies, schistosomal antigen, immunoglobulins, complement C4, and fibrinogen

Immunopathology
Houba, V., 1977, Progr. Immuno1. II, 681-687
immunopathology mechanisms in certain tropical parasitic diseases, review

Immunopathology
Houba, V., 1979, Kidney Internat., v. 16 (1), 3-8
malaria, man and exper. animals, studies show that immune complexes play important role in pathogenesis of nephropathies associated with parasite infections, general review

Immunopathology
Houba, V., 1979, Kidney Internat., v. 16 (1), 30-43
schistosomiasis, experimental renal disease, extensive review

Immunopathology
Houba, V.; et al., 1979, Lysosomes Applied Biol. and Therap., v. 6, 3-29
lysosomes, possible role in helminth immunity and immunopathology, review with emphasis on Schistosoma mansoni
Immunopathology
Schistosoma haematobium, mice, granuloma formation around eggs is largely cell-mediated immunologic reaction, is dependent on dose and route of sensitization, is relatively specific among the 3 schistosome species, and can be transferred with cells but not with serum from previously egg-sensitized mice; furthermore, egg-sensitized animals demonstrate immediate and delayed skin reactivity on challenge with egg antigens

Immunopathology
Khoury, E. L.; et al., 1979, Clin. and Exper. Immunol., v. 36 (1), 8-15
Trypanosoma cruzi, human, presence of circulating antibodies to peripheral nerve, significant association with EIV antibodies, possible role in pathogenesis of Chagas' disease

Immunopathology
Kittas, C.; and Henry, L., 1979, Clin. and Exper. Immunol., v. 36 (1), 16-23
Toxoplasma gondii, guinea pigs, effect of gonadectomy and oestrogen administration on development of lesions in non-lymphoid organs, results suggest that cell-mediated immunity is important in both pathogenesis of and resistance to non-lymphoid toxoplasmosis

Immunopathology
Oedemagena tarandi, reindeer, case of multiple cutaneous malignant lymphoma, probably immune reaction to parasitic larvae

Immunopathology
Lawley, T. J.; et al., 1979, Clin. and Exper. Immunol., v. 37 (2), 221-227
Schistosoma mansoni, human, circulating immune complexes: high incidence in acute disease vs. low incidence in chronic disease vs. differences in clinical activity; levels inversely correlated with absolute eosinophil counts

Immunopathology
Schistosomiasis, human, mechanisms of immunity and immunopathology, review

Immunopathology
Trypanosoma rhodesiense-infected rats, proliferative glomerulonephritis, hypocomplementemia, nucleic acid antibodies, feasibility of rat as model host

Immunopathology
Lumsden, R. D., 1979, Host-Parasite Interfaces, 49-70
helminth parasitism, mammalian inflammatory response, review of morphological aspects of host-parasite interaction

Immunopathology
S(chistosoma) mansoni, S. haematobium, humans, concentrations of complement components and immunoglobulins in sera, implications for immunopathological effects of schistosomiasis and for heterogeneity of antigen clearance

Immunopathology
Schistosoma mansoni, effect of mutation diabetes (marked immunosuppression) on host-parasite relationship in mice, decreased granulomatous response

Immunopathology
Cholera toxin as suppressor of in vivo cell-mediated immunity, including suppression of granuloma formation around Schistosoma mansoni eggs; possible value as adjuvant to current therapy

Immunopathology
Marquez, J. O.; et al., 1977, Rev. Neurol. Argentina, v. 3 (3), 448-451
Trypanosoma cruzi, human, antibodies against neurons, endocardium, blood vessels, endothelium and nerves demonstrated in high percentage of cerebral spinal fluid from infected patients

Immunopathology
Michael, A. I.; Awadalla, H. N.; and Farag, H. F., 1979, Tropenmed. u. Parasitol., v. 30 (1), 62-64
Schistosoma haematobium-infected mice challenged with S. mansoni, study of granuloma development suggests presence of cross immunization

Immunopathology
vascular lesions in testes of 40 of 41 infertile males with oligospermia postulated to be result of repeated formation and deposition of circulating immune complexes, antigens could be of various origins including living or dying parasites, evidence of parasitic testicular involvement (possibly filariatic) in 2 cases: Cameroon

Immunopathology
Nielsen, K.; et al., 1978, Immunology, v. 35 (5), 811-816
Trypanosoma congolense-infected calves, changes in catabolism of serum immunoglobulins and complement components, possible relationship to pathological changes
Immunopathology
Nielsen, K.; et al., 1978, Immunology, v. 35 (5), 817-826
Trypanosoma congolense-infected calves, changes in serum immunoglobulins, complement, and complement components

Immunopathology
Strongyloides ratti, rats, primary and secondary infections, expulsion kinetics and intestinal mast cell counts, antithymocyte serum suppressed expulsion as well as intestinal mast cell and circulating eosinophil responses to primary infection

Immunopathology
Strongyloides ratti, rats, cortisone suppressed both primary and secondary expulsion and reduced intestinal mast cell response but did not induce hyperinfection, capacity to expel worms was recovered less than 2 weeks after termination of cortisone administration

Immunopathology
Immunopathology of human malaria, symposium presentation

Immunopathology
Parbtani, A.; and Cameron, J. S., 1979, Kidney Internat., v. 16 (1), 53-63
Plasmodium spp., exper. infections in mice, nephritis dependent upon deposition of immune complexes in the kidney accompanies acute infections

Immunopathology
Schistosomiasis, review of current evidence that both induction and amelioration of hepatitis disease are immunologically mediated

Immunopathology
Pery, P.; and Luffau, G., 1979, Antigens (Sela), v. 5, 83-172
Antigens of helminths, extensive review: immunity to helminths; pathophysiology of antigens; immunodiagnosis and immunoprevention

Immunopathology
Schistosomiasis with emphasis on Schistosoma mansoni, immunologic aspects of host responses, extensive review: cellular and humoral immune response; immunopathology; eosinophils

Immunopathology
Plasmodium berghei, mice, formation of two types of immune complexes (one with and one lacking plasmodial antigens) and their deposition in renal glomeruli, immune complexes lacking parasite antigen may be involved in secondary autoimmune (anti-smooth muscle) process, possible induction mechanism of autoantibodies, symposium presentation

Immunopathology
Leishmania tropica major, experimental cutaneous leishmaniasis, anergy and allergy in cellular immune response during non-healing infection in different strains of mice

Immunopathology
Pugin, P.; et al., 1978, Schweiz. Med. Wchnschr., v. 108 (41), 1602
Leishmania donovani, 35 year old woman, isolation and characterization of circulating immune complexes present in high concentration, probable participation in pathogenesis

Immunopathology
de Raadt, P., 1974, Ciba Found. Symp., n.s. (20), 199-224
African trypanosomiasis, immunity and antigenic variation, clinical observations suggestive of immune phenomena, review

Immunopathology
Rest, J. R.; and Wright, D. H., 1979, J. Path., v. 127 (3), 115-120
Plasmodium berghei-infected Mesocricetus auratus, cerebral lesions, transmission and scanning electron microscopy, hypothesized that pathogenesis relates to immune complex formation

Immunopathology
Plasmodium spp., issue devoted to current status of human malarias with discussion on: life cycle, geographic distribution, immunopathology, diagnosis, clinical management, treatment and prophylaxis

Immunopathology
Ribeiro dos Santos, R.; et al., 1979, Tropenmed. u. Parasitol., v. 30 (1), 19-23
Trypanosoma cruzi-infected humans, presence of IgG and IgM antibodies to neurons demonstrated by immunofluorescence

Immunopathology
Rickman, W. J.; and Cox, H. W., 1979, J. Parasitol., v. 65 (1), 65-73
Trypanosoma brucei rhodesiense-infected rats, syndrome characterized by anemia, splenomegaly, and glomerulonephritis, accompanied by presence of 3 autoantibodies and by presence of fixed complement and fibrinogen on trypanosomes and erythrocytes

Immunopathology
Leishmaniasis, human cutaneous, histopathology in relationship to immunological mechanisms, logarithmic parasite index to provide framework of various disease forms and their inter-relationships

Immunopathology
Leishmania donovani, natural infection in dogs, kidney pathology probably mediated as an immune mechanism
Immunopathology
Schistosoma mansoni-infected mice, ultrastructure of kidney lesions, characterized as immune complex disease

Immunopathology
Schistosoma mansoni, human, histocompatibility-linked susceptibility for hepatosplenomegaly: Egypt

Immunopathology
Schistosoma mansoni, human, case report of patient with hepatosplenic and pulmonary forms, discussion of pathology with emphasis on immunological factor and vascular adaptive capacity

Immunopathology
Trypanosoma cruzi, human, physiopathology of neuronal destruction, presence of IgG and IgM antibodies to neurons discovered in human serum, sequence of pathologic events detailed in infected mice

Immunopathology
Trypanosoma cruzi, human, immunopathology of nervous system lesions

Immunopathology
Trypanosoma cruzi, role of immune reactions in pathogenesis of Chagas' disease, review

Immunopathology
Trypanosoma cruzi, persistence of tissue-reacting (EVI) antibodies in nifurtimox-treated patients followed for several months to 2 years, implications for significance of EVI antibodies in pathogenesis of Chagas disease

Immunopathology
Chagas' disease, serum antibody titers, delayed skin response, inhibition of leucocyte migration by Trypanosoma cruzi antigen and by cross-reactive heart cell antigen, cytotoxicity of sensitized T-lymphocytes to parasitized human heart cells

Immunopathology
Thoongsuwan, S.; and Cox, H. W., 1978, J. Parasitol., v. 64 (4), 669-673
Trypanosoma lewisi, ATC strain in Sprague-Dawley rats, anemia, splenomegaly, and glomerulonephritis accompanied by presence of cold-active hemagglutinin for trypsinized rat erythrocytes

Immunopathology
Onchocerca volvulus, human eye, atrophy of disc of optic nerve, discussion of possible etiology, possibly an antigen-antibody reaction

Immunopathology
Turk, J. L.; and Belehu, A., 1974, Ciba Found. Symp., n.s. (25), 101-122
Infectious diseases including leishmaniasis and Chagas' disease, evidence for immunological basis of spectra of clinical manifestations, review

Immunopathology
Onchocerca volvulus, human, coast erysipelas (Guatemala) or 'purple illness' (Mexico) refers to cutaneous pathology of Arthus type reaction, treatment

Immunopathology
Brugia spp.-infected Meriones unguiculatus, histologic and organ weight changes in spleens, relationship to parasite life cycle, aspects related to host sex and to parasite species

Immunopathology
Warren, K. S., 1974, Ciba Found. Symp., n.s. (25), 243-266
Schistosomiasis, modulation of immunopathology, review

Immunopathology
Immunopathology due to cell-mediated (Type IV) reactions, review

Immunopathology
Schistosomiasis, pathology, pathobiology, and pathogenesis, review

Immunopathology
Schistosoma japonicum egg granuloma, cellular composition, size, immunologic concomitants, differences from S. mansoni

Immunopathology
Weisinger, J. R.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (2, pt. 1), 357-359
Leishmania donovani, human, case report, kidney involvement demonstrated clinically and histologically, deposits of immune complexes: University Hospital of Caracas, Venezuela
Immunopathology
Weiss, N., 1978, Exper. Parasitol., v. 46 (2), 283-289
Dipetalonema viteae in 2 strains of hamster, lymphocyte blastogenesis (during different stages of primary infection, after injection of dead larvae, after implantation of adult worms, in mixed infection with Schistosoma mansoni), attempt to relate results with parasitological findings and with humoral immune response, analysis of cellular unresponsiveness to filarial antigens in chronically infected LAKZ hamsters

Immunopathology
Trypanosoma brucei, rabbits, chronic infections, effects of inhibitors on properties, excretion of elevated levels of urinary kallikrein considered to be due to glomerular damage and possibly to activation of plasma kallikrein by parasite and by parasite/antibody complexes

Immunopathology
Schistosoma mansoni, egg granulomas (obtained from livers of infected mice) secrete fibroblast stimulating factor in vitro, this suggests that hepatic granulomas may play role in development of hepatic fibrosis in schistosomiasis

Immunopathology
Plasmodium berghei, histo- and immunopathology in 6 different mouse strains, symposium presentation

Immunopathology
Immediate hypersensitivity (Type I) reactions, review

Immunosuppression. See Immunological unresponsiveness.

Immunotolerance. See Immunological unresponsiveness.

Implantation. See Transplantation.

Imported diseases. See Disease transmission, imported and exported hosts; Disease transmission, travel and migration.

Indexes. See Indices.

India
Chellappa, D. J.; and Gopalakrishnan, C. A., 1977, Indian J. Animal Research, v. 11 (2), 74-76
Gastrointestinal helminths of sheep and goats: Coimbatore (Tamil Nadu)

India
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Intestinal parasites, prevalence in stray and pet dogs: Chandigarh, India
(Ancylostoma caninum; Toxocara canis; Dipylidium caninum; Taenia/Echinococcus spp.; Trichuris sp.; Isospora spp.)

India

India
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Ixodid ticks, cattle, seasonal prevalence: Bangalore, India
(Boophilus annulatus; B. microplus; Hyalomma marginatum isaei; H. a. anatolicum; H. hus- saini; Haemaphysalis bispinosa; Haemaphysalis intermedia; Haemaphysalis spinigera; Rhizophe- cephalus haemaphysaloides; R. sanguineus; Amblyomma integrum)

India
Varma, S.; et al., 1977, Haryana Agric. Univ. J. Research, v. 7 (4), 221-225
Gastrointestinal nematodes, domestic pigs, incidence: Hisar, India
(Ascaropsstrongylina; Physcocephalus sexa- latus; Simondia paradoxa; Ascariis suum)

India
Parasites of young buffalo calves, prevalence decreases with age: Hisar (Ascaris; Strongylodes; strongylus; lungworms; Moniezia; Fasciola; coccidial oocysts)

Indiana. See United States, Indiana.

Indices
[Opalinidae], paratypes of species in Metcalf collection deposited in American Museum of Natural History: United States

Indices
Ayala, C., 1978, J. Protozool., v. 25 (1), 87-100
Plasmodium from reptiles, checklist, host index, annotated bibliography

Indices
catalogue of ticks of Morocco

Indices
Parasites of fishes, literature review, parasite and host lists, notes on parasite biology and fishery management: River Dee System

Indices
Bibliography of ixodoidea from Peru, parasite list with geographical distribution and hosts

Indices
Synopsis of protozoans parasitic in native turtles of the United States and Canada
Indeces

Synopsis of helminths endoparasitic in native turtles of the United States, Canada, and Mexico, and foreign records for helminths of sea turtles

Indeces

Turbinoptidae, list of species with hosts and geographic localities

Indeces

Helminths, domestic and wild animals, host-parasite list: Ethiopia

Indeces

Check list of Danish Acari

Indeces

Macroscopic endoparasites of snakes recorded in Japan

Indeces

Number of families, genera, and species of monogeneans of subclass Oligochoinea presently registered from marine fishes

Indeces

Lecudina, revision, checklist of species together with synonyms, hosts, body locations, geographic distribution, and key references

Indeces

Hystrichopsyllidae, geographical distribution and host preferences, list of genera and species

Indeces

Coptopsyllidae, Pygiopsyllidae, Stephanociricidae, Xiphopsyllidae, world-wide distribution by zoogeographic regions, host preferences; list of genera and species

Indeces

Lewis, R. E., 1975, J. Med. Entom., v. 11 (6), 658-676
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Indeces

Helminth parasites, domestic animals, check-list: Brasilia, DF and other regions of State of Goias, Brazil

Indeces

Index of helminths reported from Paraguay

Indeces

Check-list of helminth parasites, domestic animals, literature and original survey, 1972-1976: State of Mato Grosso, Brazil

Indeces

Ixodoidea, domestic animals, literature review: Nigeria

Indeces

List of Trematoda in GDR, supplemented with hosts, habitats, and specific geographic localities

Indeces

Conclusion of systematic list of trematodes and their host species recorded from German Democratic Republic and adjacent region of Baltic Sea

Indeces

Host-parasite checklist of helminth parasites of domestic animals, geographical distribution and rough prevalence rate: Northern Nigeria

Indeces

Nematodes of birds of Tuvinss ASSR

Indeces

Teneria, J. M., 1979, Pacific Insects, v. 20 (1), 5-17
Mallophaga, catalog of holotypes and all types deposited in Bishop Museum, Hawaii with supplemental information on hosts and localities

Indeces

Monogenoidea, species recorded from Australiian fishes, notes on their zoogeography

Indonesia

Biomedical survey for evidence of parasitic and other infectious diseases in villagers of Irian Jaya, (West Irian), Indonesia (Entamoeba histolytica, E. hartmanni; E. coli; Endolimax nana; Giardia lamblia; Chilomastix mesnili; Ascaris lumbricoides; Trichuris trichiura; hookworm; dicrocoelid-like eggs; Wuchereria bancrofti; Plasmodium falciparum; P. vivax)
Indonesia


Indonesia

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Indonesia, Borneo

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Indonesia, Celebes

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Indonesia, Celebes

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Indonesia, Celebes

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Indonesia, Celebes

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Indonesia, New Guinea. [See also Papua New Guinea]

Indonesia, New Guinea


Infectivity. [See also Pathogenicity]

Infectivity

Abdalla, H. S.; Hussein, H. S.; and Kreier, J. P., 1978, J. Parasitol., v. 64 (3), 554-556. Babesia rodhaini, centrifugation times and speed to obtain maximum number of free parasites following passage of infected blood through sonic oscillation field, infectivity of free parasites in comparison to that of infected red blood cells.

Infectivity

Anderson, R. M., 1978, Parasitology, v. 77 (2), 201-224. Snail infection by miracidia, population framework and Basic Model, rate of infection, infective stage density, role of chance, miracidial mortality and age-dependent infectivity, heterogeneity between snails with respect to susceptibility and infectivity.

Infectivity

SUBJECT HEADINGS

Infectivity
Eimeria tenella, comparison of amprolium- and buquinate-resistant strains to a drug-sensitive strain with respect to (1) oocyst production in chicks and (2) infectivity, rate of development, and oocyst production in primary chick kidney cell cultures

Infectivity
Trypanosoma cruzi, strains isolated from human cases of Chagas' disease and from infected triatomines and wild Brazilian mammals, behavior in Ricman and Robson's blood incubation infectivity test

Infectivity
Brown, B. J.; and Platzer, E. G., 1978, J. Nematol., v. 10 (2), 110-113
Romanomermis culicivorax, effect of various dissolved oxygen concentrations at various temperatures on infectivity for Culex pipiens

Infectivity
Schistosoma mansoni, sewage stabilization ponds efficient barrier against transmission, laboratory and field experiments, egg hatchability,miracidia infectivity, and survival of Biomphalaria glabrata

Infectivity
Cabaret, J., 1979, Ann. Parasitol., v. 54 (4), 475-482
larval protostrongylids, infectivity for several species of helicids in relation to fecal vs. pulmonary origin of larvae and to age of larvae

Infectivity
Trypanosoma cruzi, mice, culture forms (Y and MR strains) previously kept for 1 1/2 to 18 years without animal passage, infectivity compared

Infectivity
Leishmania hertigi hertigi, L. h. deanei, ultrastructure of promastigotes, amastigotes and virus-like particles observed within promastigotes; laboratory mammals were poor hosts with infection detectable only by culture, laboratory-bred Lutzomyia longipalpis developed poor infections

Infectivity
Cunningham, I.; and Taylor, A. M., 1979, J. Protozool., v. 26 (3), 428-432
Trypanosoma brucei, restoration of infectivity of various stocks cultivated at 28 C with tsetse fly salivary glands

Infectivity
6 insect trypanosomatids, attempted adaptation to mice, alteration of component elements of excreted factors (EF) produced by the 3 adapted species, EF components of Leishmania donovani isolates differ with varying infectivity for hamsters

Infectivity
Babesia bigemina, B. bovis, development, in incubated Boophilus microplus eggs, and B. bigemina in unfed larval ticks held at 37°C, infectivity for calves, results indicate that high environmental temperature may be only stimulus required for development of infective Babesia within the tick

Infectivity
Hymenolepis microstoma, effects of cysticeroid age on morphology, excystation in vitro, and infectivity for mice

Infectivity
Schistosoma mansoni, in vitro derived schistosomula attenuated by x-irradiation, infectivity and immunizing potential, mice

Infectivity
Fried, B.; and Butler, M. S., 1978, J. Parasitol., v. 64 (1), 175-177
Echinostoma revolutum metacercaria: bicarbonate pretreatment significantly enhanced infectivity in domestic chick; chemical excystation; development on chick chorioallantois

Infectivity
Trypanosoma cruzi, strain isolated from Trianosoma infestans captured in Vitichi, Bolivia, severe pathogenicity for mice, mice recovered from infection have high resistance against reinfection by the Y strain, Bolivia strain easily cultured and regularly infective for several triatomines

Infectivity
Ghiotto, V.; et al., 1979, Exper. Parasitol., v. 48 (3), 447-456
Trypanosoma brucei, morphometric changes and loss of infectivity and of surface coat during transformation of bloodstream forms to procyclic culture forms in vitro
Infectivity

Trypanosoma congoense, maintenance of infectivity in vitro with explants of infected skin incubated at 37°C

Infectivity

Toxoplasma gondii cysts, infectivity for white mice after various periods of freezing, role of low temperatures as limiting factor in epidemiology of toxoplasmosis

Infectivity

Schistosoma mansoni, cercariae, schistosomules, and intermediate forms obtained in vitro, infectivity for mice, worm recovery

Infectivity

Schistosoma mansoni, schistosomules recovered from skin or lungs of mice, infectivity to mice when injected by various routes

Infectivity

Schistosoma mansoni, infectivity of cercariae in vitro-obtained schistosomules injected intravenously or subcutaneously into mice

Infectivity

Holbrook, T. W.; and Parker, B. W., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 804-807
Naegleria fowleri incubated on chick embryos, effects of embryo age and temperature on maintenance, infectivity maintained after 25 serial passages

Infectivity

Dicyclocaulus viviparus, calves, winter survival of infective larvae, decreased infectivity

Infectivity

James, C.; and Prah, S. K., 1978, J. Helminth., v. 52 (3), 221-226
Schistosoma mansoni, S. haematobium, penetration efficiency and selective capacity of miracidia based on infection rates produced in Bulinus pfeifferi and B. globosus respectively, scanning capacity also compared in increasing volumes of water, over increasing horizontal distances, and in running water of different flow rates, effect of miracidial density, epidemiological implications

Infectivity

Trypanosoma brucei brucei, acquisition of potential infectivity for man (resistance to normal human serum when tested by blood incubation infectivity test) after maintenance in domestic hens, suggests birds as potential reservoirs of trypanosomes of brucei group

Infectivity

Kassim, O. O.; and Richards, C. S., 1979, Internat. J. Parasit., v. 9 (6), 565-570
Schistosoma mansoni, host reactions to miracidia in 2 strains of Biomphalaria glabrata, involving variations in parasite strains and in numbers and sequences of exposures

Infectivity

Vairimorpha necatrix (potential biological control agent), survival (infectivity) of spores exposed to sunlight, ultraviolet radiation, and high temperature, laboratory and field tests

Infectivity

Pleistophora sp., Vairimorpha necatrix, retention of infectivity after passage through gut of Zelus exsanguis

Infectivity

Heligmosomoides polygyrus, mice, infectivity of third-stage larvae, storage time and temperature, larvae lose infectivity when they age, maturation period required for maximum infectivity

Infectivity

Heligmosomoides polygyrus, mice, low infectivity of third-stage larvae resulted in greater fecundity of female worm and vice versa, egg-output of worm increased when worm burden was smaller, decreased with greater worm burden

Infectivity

Trypanosoma murmanensis, infectivity of different morphotypes in fish hosts to the leech vector (Johanssonia sp.)

Infectivity

Kolevatova, A. I., 1974, Parazitologiiia, Lenigrad, v. 8 (1), 49-52
Metastrongylus elongatus, larvae in Eisenia fetida under laboratory conditions retain their ability to infect pigs and guinea pigs for up to 7 years

Infectivity

Cysticercus bovis, failure of 74-day-old cysts to develop in exper. infected apes, monkeys, and hamsters, cysts apparently too immature; hamster (intestine) successfully infected with 89-day-old cyst
Infectivity
Plasmodium yoelii, gametocytes, morphological characters as indication of age, infectivity, and periodicity

Infectivity
Landau, I.; et al., 1979, Ann. Parasitol., v. 54 (2), 145-161
Plasmodium yoelii, gametocytes, morphology, development, infectivity

Infectivity
Ascaridia galli, eggs cultured in acid medium, neutralization of culture medium prior to experimental infection in chickens increased infectivity and establishment of larvae in host

Infectivity
Lengy, J., 1974, Israel J. Zool., v. 22 (2-4), 1973, 75-82
Strongyloides ratti filiform larvae, albino rats (exper.), viability and infectivity after exposure to various temperature regimes

Infectivity
Romanomermis culicivorax as biological control agent of Culex quinquefasciatus, polluted water had little or no adverse effect on viability, infectivity, or development of nematode: Sanibel Island, Lee County, Florida

Infectivity
Lynes, E. T.; and Keyes, M. C., 1978, J. Parasitol., v. 64 (3), 454-458
Uncinaria lucasi in Callorhinus ursinus, differential infectivity in pups of parasitic 3rd stage larvae from belly tissues of bulls and bachelors vs. those from pregnant cows, also appears to be relationship between size of larvae and their maturation capability, pregnancy hormones may provide explanation

Infectivity
Toxoplasma bradyzoites from Mammamys natans (cerebral tissue), not infectious or able to replicate after 24 hours of storage under freezing at -20°C, no intact bradyzoites demonstrable, changes in structure and periodicity

Infectivity
Mills, C. A., 1979, Internat. J. Parasitol., v. 9 (6), 603-608
Transversotrema patialense, cercarial, post-cercarial, and adult stages, influence of differing ionic environments on survival and infectivity

Infectivity
Moser, G.; et al., 1978, J. Protozool., v. 25 (1), 119-124
Plasmodium berghei, P. knowlesi, P. cynomolgi, purification of sporozoites by passage through DEAE-cellulose column, retention of ability to produce infection, to induce protective immunity, and to react with known antisera

Infectivity
Trypanosoma cruzi, comparison of 9 strains isolated from man, animals, and triatomine bugs, host pathology, virulence, infectivity, importance of strain differentiation: Brazil

Infectivity
Petersen, J. J., 1979, J. Nematol., v. 11 (1), 105-106
Romanomermis culicivorax, effect of pH on infectivity to Culex pipiens quinquefasciatus

Infectivity
Encephalitozoon cuniculi, in vitro infectivity assay based on enumeration of lesions which appear as macroscopically distinct foci in cell cultures

Infectivity
Trypanosoma cruzi, strain isolated from Dasypodota a. aguti (blood), possible reservoir, infectivity to triatomines and mice, mice protected against subsequent infection by human strain: Cotolina, E. S., Brasil

Infectivity
Samish, M.; and Pipano, E., 1978, Parasitology, v. 77 (3), 375-379
time-course for development of infectivity in Hyalomma dactylopon ticks fed as pre-imagoes on Theileria annulata-infected calves, unfed adults derived from infected nymphs were non-infectious whereas ticks of both sexes that had fed for 2-3 days or longer on calves or rabbits were always infectious

Infectivity
Fasciola, survival of metacercariae encysted on rice straws and polyethylene sheets in field, infectivity to mice measured monthly: Sendai, northern Japan

Infectivity
Sauerlaender, R., 1979, Ztschr. Parasitenk., v. 59 (1), 53-66
 Muellerius capillaris in Cepaea nemoralis (exper.), exposure period, developmental period from 1st to 3rd stage larvae, individual exposure vs. mass exposure, super-infections, infectivity following storage below freezing-point, localization of larvae, host cellular reaction

Infectivity
Shadduck, J. A.; and Polley, M. B., 1978, J. Protozool., v. 25 (4), 491-496
Encephalitozoon cuniculi, propagation in vitro using rabbit choroid plexus (RCP) cells, some factors influencing infectivity and replication (passage level of organisms; passage level, age, and source of RCP cells; antibiotics; storage time and temperature including freezing; elevated temperature; chemical disinfectants; centrifugation; physical and chemical treatments)
Infectivity
Siddiqi, M. N.; and Meerovitch, E., 1976, Pakistan J. Zool., v. 8 (2), 183-189
Trichinella spiralis, 6 strains, relative infectivity to albino rats, variable infectivity appears to be due to strain differences in transmission cycles and to natural host resistance

Infectivity
Siddiqi, M. N.; and Meerovitch, E., 1976, Pakistan J. Zool., v. 8 (2), 191-197
Trichinella spiralis, 6 strains, relative infectivity in mice, guinea pigs, and 2 strains of rats (albino Wistar and hooded), role of host resistance

Infectivity
Siddiqi, M. N.; and Meerovitch, E., 1977, Pakistan J. Zool., v. 9 (1), 47-50
Trichinella spiralis, stability of 4 strains, no significant increase in infectivity after 5-8 serial passages through rats although individual variations from one passage to another were observed

Infectivity
Theileria annulata-infected nymphs, adults, and ground tissues of Hyalomma anatolicum, infectivity for calves, all capable of inducing clinical theileriosis

Infectivity
Babesia bovis, vaccine (NT) strain, unmodified (T) strain, differential infectivity for Boophilus microplus, differences observed in parasite structure in gut contents following ingestion by tick, NT strain was incapable of penetrating epithelial cells of tick gut

Infectivity
Stone, W. M.; Stewart, T. B.; and Smith, F., 1979, J. Parasitol., v. 65 (5), 460-461
Ancylostoma caninum, longevity and infectivity of tissue phase larvae in guinea pigs and swine, both shown to be potential paratenic hosts

Infectivity
Fasciola hepatica metacercariae, longevity and infectivity in hares, effect of different methods of hay drying used in Poland, concluded that hay may contain infective metacercariae in spite of adequate drying methods, only proper ensilage of green roughage makes it safe from infective forms of liver fluke

Infectivity
Trypanosoma brucei, blood incubation infectivity test, influence of several factors on process of lysis and neutralization of T. brucei in human serum

Infectivity
Trypanosoma brucei rhodesiense, serum-incubation-infectivity tests on clone populations of distinct antigenic types

Infectivity
Plasmodium berghei, infectivity and immunogenicity, symposium presentation

Infectivity
Trypanosoma cruzi-like-strain, morphology, frequency and density of parasites in Sanguinus oedipus, infectivity to monkeys and rodents, no clinical or histopathological findings, parasitamaia, development in cell cultures, cyclical development in Rodhnius prolisx and Triatoma infectans

Infectivity
Trypanosoma brucei gambiensis strains from Zaire, comparative infectivity in various laboratory animals

Infectivity
Theileria mutans, infectivity for cattle of parasites derived from prefed Amblyomma variegatum nymphs

Infectivity
Young, A. S.; Leitch, B. L.; and Omwoyo, P. L., 1979, Vet. Rec., v. 105 (23), 531-533
Theileria parva, induction of infective stages in salivary glands of infected unfed Rhipicephalus appendiculatus by exposure of ticks to high temperature, epidemiological significance

Infectivity
Trypanosoma cruzi trypomastigotes in mice, infectivity of blood, culture, and insect forms by 6 routes

Inhibited development. See Development.

Integument. [See also Cuticle; Parasite surfaces; Skin: Integument]

Integument
Barabashova, V. N., 1971, Parazitologiia, Leningrad, v. 5 (5), 446-454
8 species of Acanthocephala, integument, structure and function, histological and histochemical investigations

Integument
Dermacentor marginatus, nymphs, ultrastructure of integumentary glands and mechanoreceptor setae

Integument
Cornford, E. M.; and Oldendorf, W. H., 1979, J. Parasitol., v. 65 (3), 357-363
Schistosoma mansoni, new method for measuring transintegumental uptake in individual male and female worms, application to uptake of glucose and selected amino acids

Integument
cestodes, trematodes, integument, scanning and transmission electron microscopy, morphology
Integument
Kuntz, R. E.; et al., 1979, J. Helminth., v. 53 (2), 131-132
Schistosoma bovis, integument surfaces, scanning electron microscopy

Integument
Dermacentor variabilis, general integument as the site of water vapor uptake

Integument
Przevalskiana silenus, ontogenesis of integument during different larval stages, histomorphology

Integument
Clonorchis sinensis, cercarial integument, ultrastructure

Integument
Schistosoma mansoni, adults, nerve tissue and processes that form sensory bulbs on surface of integument, ultrastructure

Integument
Schistosoma mansoni, adults, integument, ultrastructure

Integument
Singh, G.; and Lee, R. E., 1979, Arch. Path. & Lab. Med., v. 103 (9), 459-462
Hydatid cyst, girl (right lobe of liver), ultrastructure, with particular study of integument: immigrated from Greece

Integument
Timofeev, V. A.; and Kuperman, B. I., 1973, Parazitologiya, Leningrad, v. 7 (4), 359-348
Triaenophorus nodulosus, changes in ultrastructure of body surface during development from oncosphere into procercoid

Integument
Tulloch, G. S.; et al., 1977, Tr. Am. Micr. Soc., v. 96 (1), 41-47
Schistosoma mattheei, surface structures of integument suggest basic adaptations for clasping of male and female schistosomes and for parasite attachment to host, scanning electron microscopy; taxonomic implications

Intelligence
Castle, W. M.; Clarke, V. de V.; and Hendrikz, E., 1974, South African Med. J., v. 48 (48), 2035-2038
Subclinical bilharziasis, schoolchildren, scholastic achievement, does not affect intelligence but causes susceptibility to mental fatigue thus affecting test scores and speed of productivity: Marandellas district, South Africa

Intelligence
Toxoplasma gondii, laboratory mice and rats, latent infection, diminished learning ability

Interferon
Toxoplasma gondii, lack of interaction with classical interferon system in cells of human origin

Interferon
Clark, I. A., 1979, Infect. and Immun., v. 24 (2), 319-325
Babesia spp., Plasmodium vivax, mice, protection conferred by pretreatment with extract of Coxiella burnetii, possible involvement of interferon or tumor necrosis factor

Interferon
Trypanosoma equiperdum-infected white mice, survival of mice was not extended by administration of low molecular weight interferon inducers

Interferon
Sauvager, F.; and Fauconnier, B., 1978, Biomedicine Express, v. 29 (6), 184-187
Plasmodium berghei, mice, protective effect of endogenous interferon in mouse malaria demonstrated by increase in death rate and in % parasitized erythrocytes in infected mice treated with anti-interferon globulins

Interferon
Talas, M.; and Glaz, E. T., 1979, J. Infect. Dis., v. 139 (5), 595-598
Trypanosoma equiperdum, mice, induction of type I interferon from day 1 after infection until death on day 5

Intestinal parasites
Monroe, L. S., 1979, Current Therapy (Conn), 38-392
Intestinal parasites, human, drug therapy, review

Intestine, Host
Ajao, O. G.; and Ajao, A. O., 1979, Trop. Doctor, v. 9 (1), 33-36
Ascaris lumbricoides, humans, intestinal obstruction and surgical complications of intestinal ascariasis

Intestine, Host
Trypanosoma cruzi, mice, acute phase of infection, decrease in substance P activity of colon could be related to reduction in total number of dense vesicles in Auerbach’s plexus

Intestine, Host
Entamoeba histolytica, human infections in presence of intestinal complications as appendicitis, colitis, amebomas, clinical management
Intestine, host  
Andrade, Z. A.; and Melo, J. S., 1974, Rev. Patol. Trop., v. 5 (2), 143-151
Schistosoma mansoni, finding on 19 autopsyss of peri-intestinal fibrosis involving segments of the colon or rectum and sometimes extending to retro-peritoneal tissue, presentation as hard intestinal mass, apparent pathologic picture of human advanced schistosomiasis complicated by portal hypertension

Intestine, Host  
Entamoeba histolytica-associated rectal prolapse in children, di-iodoquine and metronidazole

Intestine, Host  
Giardia lamblia, case report of infection in elderly woman resulting in severe atrophy of jejunal mucosa with dense plasma-cell infiltration, complete recovery after therapy with metronidazole: England (had traveled to Far East)

Intestine, Host  
Strongyle-infections (nat. and exper.) disturbances of digestive motility, effect of mebendazole treatment

Intestine, Host  
Trichinella spiralis, rats, intestinal fluid movement in response to primary or secondary infection, relationship to prevention of worm establishment

Intestine, Host  
Schistosoma mansoni, human, jejunum, pathology, peroral biopsy

Intestine, Host  
Strongylodes stercoralis, West Indian man, associated small intestinal lymphoma causing obstruction, deficiency of T lymphocytes and eosinophils, lymphoma may have led to reduction in cellular immunity with subsequent development of Strongylodes hyperinfection

Intestine, Host  
Entamoeba histolytica, patients from 3 geographic areas, histologic study of intestinal infections, histopathology, patients with symptoms vs. those without symptoms: Brazil

Intestine, Host  
Ascaris suum causing intestinal obstruction in 9-year-old girl, clinical case report: Salisbury, Rhodesia

Intestine, Host  
human amoebiasis, acute fulminating colitis, amebomas, review of cases with emphasis on diagnosis, therapy, complications, surgical procedures

Intestine, Host  
Duszyński, D. W.; et al., 1978, J. Protozool., v. 25 (5, pt. 2), 370-374
Eimeria nieschulzi, rats, intestinal transit time during infection, on basis of findings it is difficult to implicate altered intestinal transit time in symptoms such as diarrhea which attend coccidiosis

Intestine, Host  
Eimeria nieschulzi, structural and functional changes in small intestine of infected rats (increase in intestinal mass; changes in mucosal structure especially increased crypt depth; decrease in peroxidase levels in lamina propria; reduction of brush border disaccharidase activity), intensity of all changes was directly dose-dependent

Intestine, Host  
Eimeria acervulina-infected chickens, reduced time of generation cycle of duodenal crypt cells as measured by [%H]thymidine, increased population of dividing cells within each duodenal crypt; changes seem to result from induced changes in functional activity

Intestine, Host  
Chagas disease, patients, acute dilatation of chagasic megacolon, clinical aspects, medical and surgical management, differential diagnosis: Brasil

Intestine, Host  
Hair, J. D.; and Holmes, J. C., 1975, Acta Parasitol. Polon., v. 23 (12-25), 253-269
Usefulness of measures of diversity, niche width, and niche overlap in analysis of helminth communities in waterfowl, data suggest hypothesis that intestinal helminth fauna of Aythya affinis (partially hymenolepidids) is composed of chance combination of ecological specialists whose microhabitats and populations are determined in part by inter-specific interactions

Intestine, Host  
Hartong, W. A.; Gourley, W. K.; and Arvantes, C., 1979, Gastroenterology, v. 77 (1), 61-69
Giardia lamblia, patients, clinical spectrum and functional-structural abnormalities of small intestinal mucosa, treatment with metronidazole or quinacrine: Kansas Univ. Medical Center

Intestine, Host  
Schistosoma mansoni, man, stenosis of small bowel presenting as carcinoma, microscopic findings showed schistosomal infection, clinical case report: Catende, Pernambuco, Brazil
Eimeria tenella, chickens (exper.), absorption of iron in small intestine, concentration of iron in tissues and organs

Intestine, Host

Khovanskikh, A. E.; Krylov, M. V.; and Ludinova, I. C., 1974, Parazitologija, Leningrad, v. 8 (2), 164-169

Eimeria tenella, chickens (exper.), absorption of iron in small intestine, concentration of iron in tissues and organs

Intestine, Host


human amoebiasis resulting in perforation of colon, case reports, clinical aspects, surgical therapy

Intestine, Host

MacDonald, T. T.; and Ferguson, A., 1978, Gastroenterology, v. 74 (3), 496-500

Giardia muris, Hexamita muris, mice (exper.), effects of chronic infection on small intestinal epithelial cell kinetics

Intestine, Host

Madden, P. A.; and Ruff, M. D., 1979, J. Parasitol., v. 65 (2), 234-242

Eimeria spp. in turkeys, effects on structural integrity of intestinal and cecal mucosa, scanning electron microscopy, comparison of damage with parasite distribution as seen by light microscopy

Intestine, Host

Major, J. R., jr.; and Ruff, M. D., 1978, J. Parasitol., v. 64 (4), 706-711

Eimeria spp.-infected broilers, reduced disaccharidase activity in region of intestine with maximum infection, this reduction is related to both time and severity of infection and can contribute to overall reduction in nutrient absorption

Intestine, Host

Mettrick, D. F.; Budziakowski, M. E.; and Podesta, R. B., 1979, Canad. J. Physiol. and Pharmacol., v. 57 (8), 882-886

Moniliformis dubius, net fluxes of electrolytes in infected rat intestine

Intestine, Host


intestinal amoebiasis, human, cicatricial stricture and other surgical pathologies, surgical management, need for correct preoperative diagnosis and antimicrobial therapy stressed

Intestine, Host

Musaev, M. A.; and Surkova, A. M., 1972, Parazitologija, Leningrad, v. 6 (1), 11-15

Eimeria tenella-, E. mitis-infected chickens (exper.), changes in activity of alkaline and acid phosphatases of small intestine depend on species of coccidia, age of host, and stage of infection

Intestine, Host

Musaev, M. A.; and Surkova, A. M., 1974, Parazitologija, Leningrad, v. 8 (2), 170-174

Eimeria tenella, chickens (exper.), acid and alkaline phosphatase activity of small intestinal mucosa, comparison of one infection (non-immune) vs. 3 successive infections (immune)

Intestine, Host

Musaev, M. A.; and Surkova, A. M., 1975, Acta Parasitol., v. 23 (26-40), 329-338

Diorchis, 3 spp. in Fulica atra, distribution within host intestine in single and mixed infections of differing intensity

Intestine, Host

Pappas, P. W., 1978, J. Parasitol., v. 64 (3), 562-564

Hymenolepis diminuta-infected vs. normal rat small intestine, tryptic and protease activities

Intestine, Host


Hymenolepis erinacei, distribution in gut of Erinaceus europaeus (exper.)

Intestine, Host


Trichinella spiralis-infected germfree vs. conventional mice, some metabolites and enzymes of carbohydrate metabolism in liver and small intestine

Intestine, Host


Ascaris lumbricoides, children, acute intestinal obstruction, 455 cases analyzed

Intestine, Host

Rhodes, M. B.; et al., 1978, Exper. Parasitol., v. 45 (2), 265-262

Ascaris suum-immunized pigs, specific antibodies in isolated intestinal loop washings, identification of other proteins present in these washings

Intestine, Host

Schanbacher, L. M.; et al., 1978, Am. J. Physiol., v. 234 (5), R188-R195

Trichinella spiralis, dogs, changes in intestinal motility are associated temporally with symptoms related to gastrointestinal tract, magnitude of change is inversely related to resistant state of host
Intestine, Host
Nematospioroides dubius- or Nippostrongylus brasiliensis-infected rats, Pasteur effect could not be shown in host jejunum mainly due to reduced rate of anaerobic lactate production, possible relationship of loss of Pasteur effect to immune response

Intestine, Host
Ascariis lumbroicoides, human infection with approximately 400 worms which caused intestinal obstruction, multiple intestinal perforations and severe peritonitis, clinical case report: India

Intestine, Host
Shayo, M. E.; and Benz, G. W., 1979, Vet. Parasitol., v. 5 (4), 353-364
Trichosrongylus colubirimformis-infected calves (exper.), histopathologic and enzyme histochemical changes in small intestine

Intestine, Host
Comparison of mechanisms of formation of hydrolytic enzymes in helminth and mammalian intestines, review

Intestine, Host
Nippostrongylus brasiliensis-infected rats, epithelial cell mitosis and morphology in worm-free regions of intestines, results show that changes are not due to mechanical action of parasites but to metabolites of other substances passing down intestinal tract and acting upon zones of proliferation, no change in rate of mitosis in epithelium of convoluted kidney tubules

Intestine, Host
Tiboldi, T., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (1), 81-84
Schistosoma mansoni, albino mice, intestinal parameters in assessing severity of disease, findings argue for small intestine as valuable organ for pathophysiological studies of acute infection

Intestine, Host
Tronchin, G.; et al., 1979, J. Parasitol., v. 65 (5), 685-691
Trichinella spiralis, infected mice, mice immunized with metabolic antigens, mice immunized and then infected, kinetics of intestinal cell response (host cells, leukocytes, polymorphonucleus eosinophils)

Intestine, Host
Human intestinal amoebiasis, clinical manifestations, review of presenting forms (amoeboma, fulminating forms, acute appendicitis), differential diagnosis, pathology: Mexico

Intestine, Host
Schistosoma mansoni-induced Mucosal thickness, body weight, food intake, small intestinal weight, impaired transport of glucose, glycine, methylglucoside, sorbitol, and fructose, surface appearance of intestinal mucosa

Intestine, Host
Williams, H. H.; McWicar, A. H.; and Ralph, R., 1970, Symposia Brit. Soc. Parasitol., v. 8, 43-77
Fish helminths, host specificity, body shape and orientation within host gut, host-parasite specificity and migrations within gut, host alimentary canal physiology

Intestine, Parasite
Physiology of fish parasites, review: chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition (rate of gut, rate of tegument); metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)

Intestine, Parasite
Bonner, T. P., 1979, J. Parasitol., v. 65 (8), 745-750
Nippostrongylus brasiliensis, changes in structure of intestinal cells during development from free-living to parasitic stages

Intestine, Parasite
Burchard, G. D.; Buettner, D. W.; and Buettner, M., 1979, Tropenmed. u. Parasitol., v. 30 (1), 103-112
Onchocerca volvulus, electron microscopy, adult worms, onchocerca-nodules removed from patients

Intestine, Parasite
Schistosoma mansoni-infected mice injected via tail vein with peroxidase and Thorotrast, subsequent appearance of these tracers in worms, results suggest that tegumental andecal surfaces may exhibit functional specialization in male vs. female worms

Intestine, Parasite
Chaika, S. Iu., 1977, Tsitologiya, v. 19 (11), 1221-1224
Various blood-sucking arthropods, ultrastructure of glycocalyx of microvilli in midgut, differences among groups

Intestine, Parasite
Fasciola hepatica, metacercariae grown in vitro in 2 different media, ultrastructure of tegument and digestive caeca, comparison with development of these 2 systems during maturation in vivo
SUBJECT HEADINGS

Intestine, Parasite
Fournier, A., 1978, Parasitology, v. 77 (1), 19-26
Euzetia kloepffleri, ultrastructure of digestive caecum, partially haematophagous diet, digestive process, evidence for synchronous cycle of gastrodermal activity and 'apocrine-like' release of residues of digestion

Intestine, Parasite
5 Paragonimus spp., comparative ultrastructural topography of gut epithelia

Intestine, Parasite
Fujino, T.; and Ishii, Y., 1979, Internat. J. Parasiticol., v. 9 (5), 435-448
6 spp. of digenetic trematodes, gut epithelium, comparative ultrastructural topography, scanning and transmission electron microscopy

Intestine, Parasite
Guttekova, A.; and Zmoray, I., 1978, Biologia, Bratislava, s. R., Zool. (5), v. 33 (8), 627-638
Ophisthobothrium ovina, body wall, intestinal cells, ultrastructure, comparison with previously published studies of Bunostomum trigonocephalum

Intestine, Parasite
Ascaris suum, anatomy of intestine, a three dimensional study with silicone rubber casts

Intestine, Parasite
Kearn, C. G., 1979, Internat. J. Parasiticol., v. 9 (6), 545-552
Skin-parasitic monogeneans of fish, occurrence of gut pigment in relation to habitat (host dorsal vs. ventral surface), pigment distribution in upper skin of fish hosts, chemical nature of pigment; Entobdella soleae does not contain gut pigment and does not damage host dermis during feeding

Intestine, Parasite
Schistosoma mansoni, untreated worms and worms treated with ambilhar or astiban, electron microscopy of cuticle, subcuticular region, and gut; possibility that egg formation is interrupted by either treatment

Intestine, Parasite
Nahif, A. A.; and Madel, G., 1975, Ang. Parasitol., v. 16 (4), 220-232
Przhevalskiana silenus, histology of intestinal tract of 3 larval stages described

Intestine, Parasite
Parshad, V. R.; and Guraya, S. S., 1978, J. Helminth., v. 52 (4), 327-333
Cotylophoron cotylophorum, nature of food material, morphology and histochemistry of intestinal caecum, functional significance of surface carbohydrates and hydrolytic enzymes in relation to digestion and absorption of nutrients

Intestine, Parasite
Ascaridia galli, morphological and histochemical observations on intestinal epithelium

Intestine, Parasite
Comparison of mechanisms of formation of hydrolytic enzymes in helminth and mammalian intestines, review

Intestine, Parasite
Vincent, A. L.; et al., 1978, J. Parasitol., v. 64 (5), 775-785
Wuchereria bancrofti, infective stage, ultrastructure of anterior alimentary tract, functional implications

Intestine, Parasite
Wilson, R. A.; and Barnes, P. E., 1979, Parasitology, v. 78 (3), 295-310
Schistosoma mansoni, protein and polysaccharide/glycoprotein synthesis by epithelial surfaces, autoradiography at light and electron microscope level

Intestine, Parasite
Heterakis gallinarum, intestinal cells, ultrastructure compared with that of Ascaridia galli

Intrauterine infection. See Prenatal infection.

Invasion mechanisms. [See also Endocytosis; Penetration; Phagocytosis]

Invasion mechanisms
Plasmodium knowlesi, invasion of erythrocytes by merozoites investigated by electron microscopy, findings include junction between erythrocytes and merozoites, movement of junction during invasion, and fate of surface coat on merozoites

Invasion mechanisms
Aikawa, M.; and Kilejian, A., 1979, Lysozomes Applied Biol. and Therap., v. 6, 31-48
parasitic protozoa, invasion procedures and intracellular localization, review: entry into host cell; resistance to intracellular host digestive enzymes; alteration of host cells and utilization of host cell resources

Invasion mechanisms
Leishmania-macrophage interaction in vitro, effect of cytochalasin B, concluded that infection was by phagocytosis rather than active penetration, cells from outbred mouse strain susceptible to L. tropica phagocytosed this species less efficiently than L. enriettii or L. donovani
Invasion mechanisms
Trypanosoma dionisii, effect of various agents (including temperature, complement, trypsin, cytochalasin B and immune plasma) on attachment and entry to mouse peritoneal macrophages in vitro, and subsequent morphogenesis; attachment occurred to non-specific receptors, entry by phagocytosis

Invasion mechanisms
intracellular Prostista, taxonomic range, location within host cells, host species and host cell specificity, invasion of host cells, methods of evading intracellular destruction by lysosomes, nutrition, effects on structure and composition of host cells, exit from host cell, review

Invasion mechanisms
Leishmania braziliensis-like, entry of promastigotes into human skin fibroblasts in vitro, lack of phagosome-lysosome fusion after entry, transformation into amastigotes, intracellular survival and multiplication; L. donovani promastigotes unable to infect human skin fibroblasts in vitro

Invasion mechanisms
Chang, K. P., 1979, Exper. Parasitol., v. 48 (2), 175-189
Leishmania donovani, promastigote-macrophage surface interactions in vitro

Invasion mechanisms
Leishmania donovani/hamster macrophage interactions in vitro: cell entry, intracellular survival, and multiplication of amastigotes

Invasion mechanisms
Ebert, F.; Buse, E.; and Muehlfordt, H., 1979, Ztschr. Parasitenk., v. 59 (1), 31-41
Leishmania donovani, virulent vs. avirulent promastigotes in hamster peritoneal macrophages in vitro, attachment, process of engulfment, amastigote multiplication, localization, light and electron microscopy

Invasion mechanisms
Trypanosoma brucei rhodesiense, evidence of active penetration and passage of trypanosomes across midgut cells of Glossina morsitans morsitans rather than passive uptake

Invasion mechanisms
Anaplasma marginale, limiting membrane of anaplasmal inclusion body determined to be of erythrocytic origin by immunoferritin labeling, endocytosis seems reasonable mechanism for entry of anaplasmal initial body into erythrocyte

Invasion mechanisms
Toxoplasma gondii, interactions in vitro with mouse cells, review

Invasion mechanisms
Kipnis, T. L.; Calich, V. L. G.; and Dias da Silva, W., 1979, Parasitology, v. 78 (1), 89-98
Trypanosoma cruzi, trypomastigote bloodstream forms of Y and CL stock, uptake by mouse peritoneal macrophages and intracellular differentiation and multiplication in vitro under a variety of conditions, results confirm that epimastigote culture forms are phagocytosed and suggest that bloodstream forms penetrate actively into macrophages

Invasion mechanisms
Kongtong, P.; and Inoki, S., 1975, Kiseichugaku (Japan. J. Parasitol.), v. 24 (5), 284-293
Trypanosoma cruzi, trypomastigotes, epimastigotes, method of entry into fibroblast cells and intracellular development, scanning electron microscopy

Invasion mechanisms
Langreth, S. G.; Nguyen-Dinh, P.; and Trager, W., 1978, Exper. Parasitol., v. 46 (2), 235-258
Plasmodium falciparum, fine structure of merozoite invasion of human erythrocytes in vitro, successful invasion after 3 hr in presence of concentration of chloroquine harmful to feeding stages

Invasion mechanisms
Loker, E. S., 1978, Exper. Parasitol., v. 45 (1), 65-73
Schistosomatum douthittii, effect of age and of site of Lymnaea catascopium on miracidium-small interactions and on susceptibility to infection, ingestion of miracidia and their subsequent penetration through esophageal wall, miracidial penetration of external snail surfaces was rare

Invasion mechanisms
McLaren, D. J.; et al., 1979, Parasitology, v. 79 (1), 125-139
Plasmodium knowlesi, interaction between malaria parasite and host erythrocyte, freeze fracture studies of internal cytoarchitecture of surface membranes

Invasion mechanisms
Miller, L.; et al., 1979, J. Exper. Med., v. 149 (1), 172-184
Plasmodium knowlesi, interaction between cytochalasin B-treated merozoites and erythrocytes, attachment and junction formation, results suggest that defect in invasion of Duffy-negative RBCs is at the step of junction formation

Invasion mechanisms
Morera, P.; Arroyo, R.; and Solano, E., 1977, Rev. Biol. Trop., v. 25 (2), 257-261
Angiostrongylus costaricensis in Sigmodon hispidus, routes of infection compared (intraperitoneal, oral, and subcutaneous)
Invasion mechanisms
Nguyen, B. T.; and Stadtbaeder, S., 1979, Ztschr. Parasitenk., v. 60 (2), 135-146
Toxoplasma gondii, trophozoites, modes of entry into normal mouse peritoneal macrophage and Hela cell monolayers, phase-contrast microcinematography

Invasion mechanisms
O'Daly, J. A.; and Aso, P. M., 1979, Exper. Parasitol., v. 47 (2), 222-231
Trypanosoma cruzi, Leishmania spp., factor in cell-free extracts that induces lysis of mammalian red cells and vero cells, postulated that this lytic factor is involved in penetration and damage produced by T. cruzi in vertebrate cells

Invasion mechanisms
Plasmodium berghei, mice, immunization, possible role of plasmodial antigens exposed on surface of infected reticulocytes in induction of protective immunity, observations on entry of parasites into red blood cells, symposium presentation

Invasion mechanisms
Ryning, F. W.; and Remington, J. S., 1978, Infect. and Immun., v. 20 (3), 739-743
Toxoplasma gondii, in vitro invasion of mouse erythrocytes, electron microscopy, sequence of events led to assumption that host cells actively participate in process by which Toxoplasma gains entry into cells

Invasion mechanisms
Schupp, E.; et al., 1978, Ztschr. Parasitenk., v. 55 (3), 189-193
Toxoplasma gondii, in vitro invasion of mouse erythrocytes, electron microscopy, pathology, possible invasion of lung parenchyma by trophozoites conveyed by blood

Invasion mechanisms
Pneumocystis carinii, 2-month-old human (lung parenchyma, lumen of capillaries), pathology, possible invasion of lung parenchyma by trophozoites conveyed by blood

Invasion mechanisms
Takeuchi, T., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (2), 75-85
Toxoplasma gondii, mechanism of entry into host cells, ultrastructural study

Invasion mechanisms
Angiostrongylus cantonensis larvae, higher numbers infected host Biomphalaria glabrata by oral route (ingestion) than by skin penetration; higher percentages found in mantle collar and muscular part of host body

Invasion mechanisms
Leishmania tropica, uptake of promastigotes by macrophages, scanning electron microscopy, invasion is through phagocytosis rather than penetration

Iran
Farhang-Azad, A., 1972, Parazitologiia, Lenin-grad, v. 6 (6), 513-521
Flea fauna of Iran, systematic list, distribution within 11 provinces, known occurrence on mammalian hosts

Iran
Farid, H.; and Jalayer, T., 1978, J. Parasitol., v. 64 (2), 364
Intestinal parasites, schoolchildren, host sex: Isfahan, Central Iran (Ascaris lumbricoides; Trichuris trichiura; Trichostrongylus spp.; Hymenolepis nana)

Iran
Parasitic infections, survey of 11,986 patients, incidence by age and sex: State of Khorasan (mostly from Mash'ad), N. E. Iran (Plasmodium vivax; P. falciparum; P. malari-ac; Leishmania tropica; Entamoeba histolytica; E. coli; Giardia lamblia; Chilomastix mesnili; Trichomonas intestinalis; Ascaris lumbricoides; Enterobius vermicularis; Trichuris trichiura; Necator americanus; hookworms; Trichodorylides sp.; Strongyloid-es stercoralis; Hymenolepis nana; Tæniasag-nata; Sarcocystes scabiei; Demodex folliculorum; Isospora bellii; Balantidium coli; Entamoeba hartmanni; Dientamoeba fragilis; Endo-limax nana; Iodamoeba buetschlii; Bodo cauda-tus; Trichomonas vaginalis; Schistosoma haematobium)

Iran
Parasites, people: Khorasan, Iran (Ascaris lumbricoides; Giardia lamblia; Entamoeba coli; Hymenolepis nana; Enterobius; Trichuris trichiura; Trichomonas hominis)

Iran Barat. See Indonesia, New Guinea.

Irradiation. See Radiation.

Irrigation
Discussion on environmental implications of water development for developing countries: possibility of decreased human parasitism by improving potable water and by reducing human contacts with vectors of water-borne or water-based infections, also possibility of spread of parasitism through development of irrigation canals

Irrigation
Haemonchus contortus, survival of third-stage larvae on irrigated vs. nonirrigated experimental pasture plots: Provo, Utah
Irrigation
Gadzhiev, Ia. G.; et al., 1977, Veterinariia, Moskva (5), 63-64
Fasciola gigantica, cattle, acute infection outbreak, related to increased Lymnaea auriculata population in newly irrigated area: Azerbaijan SSR

Irrigation
Gadzhiev, Ia. G.; et al., 1977, Veterinariia, Moskva (5), 63-64
Fasciola gigantica, cattle, acute infection outbreak, related to increased Lymnaea auriculata population in newly irrigated area: Azerbaijan SSR

Irrigation
Khizhniak, N. I., 1977, Gig. i Sanitariia (12), 76-78
ascarid eggs from swine used in test of extent of spreading of helminth eggs by sewage used for pasture irrigation, various sprinkler apparatuses

Irrigation
human intestinal parasites, eggs and cysts from water used to irrigate vegetable gardens, increased risk of crop contamination in dry season: Ribeirao Preto, Sao Paulo, Brazil

Irrigation
Fasciola hepatica, sheep grazing on irrigated vs. non-irrigated pastures, temporal distribution of acquisition of infection, influence of infection on productivity, outline of suitable treatment regimen: northern Victoria

Irrigation
Nikitin, V. F., 1978, Veterinariia, Moskva (7), 59-61
helminths, cattle on irrigated pastures, occurrence, control measures: Moskovsk, Rostovsk, and Tambovsk oblasts

Irrigation
Norman, L. M., and Hohenboken, W., 1979, J. Animal Sci., v. 48 (6), 1329-1337
parasites, foot soundness, and attrition, crossbred ewes, genetic and environmental effects (irrigated vs. nonirrigated pastures): western Oregon

Isoelectric focusing. See Electrophoresis.

Isoenzymes. See Enzymes.

Israel
malaria surveillance in Israel, symposium presentation

Israel
historical review of antimalarial campaign in Palestine and Israel, symposium presentation

Israel
reminiscences of history of malaria eradication in Palestine and Israel, symposium presentation

Israel
Yekutieli, P., 1979, Israel J. Med. Sc., v. 15 (12), 976-982
infective diseases in Israel, changing patterns over 30 years, includes malaria, leishmaniasis, tick and flea borne infections

Italy
Benatti, C.; and Tampieri, M. P., 1977, Suiinicolture, v. 18 (11), 49-52
survey of gastrointestinal nematodes, pigs (feces): Province of Mantova, Italy

Italy
intestinal parasites: province and city of Mantova

Italy
Tarsitani, G.; et al., 1979, Nuovi Ann. It. e Microbiol., v. 30 (2), 197-206
parasites of children, prevalence factors (age, sex, socio-economic class, crowding): Prov. Italy

Italy
survey, intestinal parasites of children and juveniles of a small Sardinian village

Italy, Sardinia
larval cestodes in food animals, abattoir survey: Abidjan, Cote-d'Ivoire