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Index-Catalogue of Medical and Veterinary Zoology

Supplement 23, Part 6,
Section A. Subject Headings: A-I

Parasite-Subject Catalogue
Subject Headings and Treatment

United States Department of Agriculture

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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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Preface

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.

Explanatory Note

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:

Index-Catalogue of Medical and Veterinary Zoology
Animal Parasitology Institute
USDA, ARS, BARC-East, Building 1180
Beltsville, Maryland 20705 U.S.A.

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.

detailed consideration. Chemical names from the [illegible] were used as the entry in the [illegible] name supplied by the [illegible] Catalogue [illegible] the [illegible] [illegible] [illegible] which the [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] in appearing in the [illegible] [illegible] [illegible] [illegible] [illegible] under the same [illegible] [illegible] [illegible] [illegible] are not included in the [illegible]

[illegible]

All correspondence should be addressed [illegible]

[illegible] Catalogue of [illegible] and [illegible]
[illegible]
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[illegible]

It is hoped that these catalogues will prove a useful tool to [illegible] in the role of [illegible] in the Catalogue [illegible] general distribution and [illegible]

The compilers thank the staffs of the National Agricultural Library, the National Library of Medicine, and [illegible] libraries who have aided [illegible] by making [illegible] 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.

[illegible]

Plant Catalogs [illegible]

[illegible]

Abnormalities. <u>See</u> Anomalies.

Abortion
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

Abortion
Arnaudov, D., 1978, Vet. Med. Nauki, v. 15 (7), 38-46
Toxoplasma gondii strains isolated from rabbits and fetuses of ewes which miscarried, comparative studies of virulence and immunogenicity, role in etiology of abortion

Abortion
Barnett, D.; et al., 1977, Proc. 20. Ann. Meet., Am. Ass. Vet. Lab. Diagn. (Minneapolis, Minnesota, Oct. 16-18), 131-138
Sarcocystis cruzi, pregnant cows (exper.), abortion, practical diagnosis using maternal caruncle

Abortion
Bittencourt, A. L.; and Barbosa, H. S., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (4), 257-259
Chagas disease, human, survey of aborted fetal remains for incidence of congenital transmission: Brazil

Abortion
Contreras B., J. A., 1976, Vet. Med. Rev. (2), 190-195
fascioliasis, cattle, high incidence of abortions reduced substantially and permanently following bilevon R treatment and snail control programme using copper sulphate: Venezuela

Abortion
Correa, W. M.; Correa, C. N. M.; and Fanton, E. B., 1978, Arq. Escola Vet. Univ. Fed. Minas Gerais, v. 30 (3), 303-305
fetal Babesia equi as cause of abortion: Brazil, imported from Florida, USA

Abortion
Correa, W. M.; Correa, C. N. M.; and Gottschalk, A. F., 1978, Canad. J. Comp. Med., v. 42 (2), 227-228
Anaplasma marginale-induced bovine abortions, 5 case reports, stress-lowered resistance may predispose cows to abortion: Sao Paulo State, Brazil

Abortion
Erber, M.; Meyer, J.; and Boch, J., 1978, Berl. u. Munchen. Tierarztl. Wchnschr., v. 91 (20), 393-395
Sarcocystis suicanis, pregnant sows (exper.), abortion, clinical manifestations

Abortion
Francis, R. C., 1975, Singapore Med. J., v. 16 (4), 290-296
toxoplasmosis, Asian women especially Malays, high infection rate, high rates of abortion, congenital anomalies, and low birth-weight infants, possible relationships: Singapore

Abortion
Gomes, U. A.; et al., 1978, Bol. Ofic. San. Panamer., v. 85 (4), 315-324
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
Hunter, B., 1979, Canad. Vet. J., v. 20 (4), 116 [Letter]
Toxoplasma, sow, case of spontaneous abortion

Abortion
Kolev, V.; et al., 1977, Vet. Med. Nauki, v. 14 (3), 54-60
Protozoa as cause of abortions in cows: district of Rousse

Abortion
Kraft, B.; and Stoll, L., 1978, Deutsche Tierarztl. Wchnschr., v. 85 (12), 470-472
Toxoplasma gondii, sheep, survey of toxoplasma antigens in placenta of aborted material, indirect immunofluorescence: Federal Republic of Germany

Abortion
Lopes, E. R.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (3), 165-169
Trypanosoma cruzi, human, prenatal infection which resulted in miscarriage, clinical report: Triangulo Mineiro, Minas Gerais, Brasil

Abortion
Munday, B. L., 1978, Internat. J. Parasitol., v. 8 (4), 285-288
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
Nicolas, J. A.; et al., 1978, Rev. Med. Vet., Toulouse, v. 129 (3), 407-413
toxoplasmosis, sheep, cause of abortion, still-birth, fetal mummification, retained placenta, and lung disturbances in new-born lambs, preventive vaccination discussed

Abortion
Paniagua Andres, M. C., 1978, Rev. Iber. Parasitol., v. 38 (1-2), 117-134
Toxoplasma gondii, sheep, prevalence and distribution, not cause of high proportion of abortions: Provincia de Leon, Espana

Abortion
Stalheim, O. H.; et al., 1976, Proc. 19. Ann. Meet., Am. Ass. Vet. Lab. Diagn., 317-328
Sarcocystis from dogs, experimental infections in pregnant Holstein-Friesian and Jersey cows, clinical signs, serology, abortions and fetal deaths

Abortion
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

Abortion
Swift, B. L.; Settlemire, J., jr.; and Thomas, G. M., 1978, Theriogenology, v. 10 (6), 481-485
Anaplasma marginale, pregnant heifers (exper.), oxytetracycline hydrochloride, did not abort and transplacental transmission did not occur

Abortion
Teruel, J. R.; and Nogueira, J. L., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (4), 239-244
Chagas disease, highly endemic area for chronic infection, comparison of infected and non-infected women showed no differences in fetal losses: nordeste do Estado de Sao Paulo

Abortion
Waldeland, H., 1978, Norsk Vet.-Tidsskr., v. 90 (6), 383-389
Toxoplasma gondii, sheep, clinical disease, abortion, review

Abscess
Kulke, H.; Liehr, H.; and Braun, H., 1977, Roentgen-Berichte, v. 6 (1), 77-82
Echinococcus, human hepatic abscessed cysts, assessment of size, character and surrounding changes by means of endoscopic retrograde cholangio-pancreatography before surgical intervention is attempted

Abscess
McLeod, R.; et al., 1979, Am. J. Med., v. 67 (4), 711-714
Toxoplasma gondii, immunosuppressed man, brain abscesses, sulfadiazine, pyrimethamine, and calcium leukovorin, case report

Abscess
Parichatikanon, P.; et al., 1976, Siriraj Hosp. Gaz., v. 28 (2), 204-214
Ascaris lumbricoides, children, case reports, pathology, fatal infections caused by multiple abscesses in livers, worms in intrahepatic bile ducts, common bile duct, and along gastrointestinal tract

Abscess, Amebic
Adamali, N.; Wankya, B. M.; and Maneno, J., 1978, East African Med. J., v. 55 (9), 414-416
amoebic liver abscesses, humans, safe and rapid diagnosis with infusion tomography, case reports: Kenya

Abscess, Amebic
Aikat, B. K.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (2), 188-192
amoebiasis, human hepatic infections, pathology and pathogenesis based on autopsies, mechanisms of evolution and extension of infections, vascular complications, immunological aberrations

Abscess, Amebic
Bieler, E. U.; et al., 1974, South African Med. J., v. 48 (8), 308-320
amoebiasis, human hepatic abscess, scintigraphic evaluation of disease processes and healing rate

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

Abscess, Amebic
Bindschadler, D. D., 1974, Rocky Mountain Med. J., v. 71 (7), 387-389
E[ntamoeba] 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
Blyth, D. F.; and Pirie, D., 1978, South African Med. J., v. 53 (4), 147-148
Entamoeba histolytica, man, left upper lobe lung amoebic abscess without established hepatic amoebiasis: South Africa

Abscess, Amebic
Breathnach, S. M.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (6), 647-649
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
Brown, R. C.; et al., 1978, Postgrad. Med. J., London (634), v. 54, 555-558
amoebic 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
Cerecedo Cortina, V. B.; et al., 1975, Rev. Med. Hosp. Gen., Mexico, v. 38 (7), 447-457
human hepatic amoebic abscess, diagnosis, peritoneoscopy

Abscess, Amebic
Cerecedo Cortina, V. B.; et al., 1975, Rev. Med. Hosp. Gen., Mexico, v. 38 (8), 527-531
human hepatic amoebic abscess, ultrasonographic studies on 50 patients, usefulness of this diagnostic method

Abscess, Amebic
Chang, W. Y.; and Chen, C. Y., 1970, Taiwan i Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 69 (12), 670-708
liver abscesses, human amoebic and pyogenic, extensive clinical review: Taiwan

Abscess, Amebic
Cowan, D. B.; and Houlton, M. C., 1978, South African Med. J., v. 53 (12), 460-461
Entamoeba histolytica, pregnant woman, rupture of hepatic amoebic abscess, guidelines for management: South Africa

Abscess, Amebic
Cowie, R. L.; et al., 1972, South African Med. J., v. 46 (49), 1917-1920
amoebic liver abscess, human, prevalence, clinical aspects, diagnostic significance of erythrocyte sedimentation rate and aspiration biopsy: Cape Town

Abscess, Amebic
Cowie, R. L.; et al., 1979, South African Med. J., v. 55 (11), 402 [Letter]
amoebic liver abscess in patients presenting with jaundice or raised serum bilirubin, suggestions for management

Abscess, Amebic
DeBakey, M. E.; and Jordan, G. L., jr., 1977, Surg. Clin. North Am., v. 57 (2), 325-337
amoebic and pyogenic hepatic abscesses, human, extensive clinical review

Abscess, Amebic
Duma, R. J.; Helwig, W. B.; and Martinez, A. J., 1978, Ann. Int. Med., v. 88 (4), 468-473
unidentified free living amoeba (appeared to be neither Naegleria or Acanthamoeba-Hartmannella, but possibly Vahlkampfiidae) causing fatal primary amoebic meningoencephalitis and brain abscess in diabetic woman, case report, discussion of identifying characteristics, classification and speciation, public health implications: rural Smithfield, Virginia

Abscess, Amebic
Dutta, G. P.; and Narain, L., 1978, Indian J. Exper. Biol., v. 16 (7), 838-840
Entamoeba histolytica, influence of pH on amoebicidal 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
El-Hennawy, M.; and Abd-Rabbo, H., 1978, J. Trop. Med. and Hyg., v. 81 (4), 71-73
human hepatic amoebiasis, previous history of corticosteroid therapy as a precipitating factor in abscess formation

Abscess, Amebic
Freeman, A. L.; and Bhoola, 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), 923-928
Entameba 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 abdomen, differential diagnosis, surgical management, case reports

Abscess, Amebic
Lundberg, Y., 1976, Scand. J. Infect. Dis., v. 8 (4), 263-265
amoebiasis, human hepatic abscess, comparison of angiography and scintography as diagnostic methods

Abscess, Amebic
Meira, D. A.; Mello Albuquerque, F. J.; and de Campos, E., 1976, Rev. Hosp. Clin., S. Paulo, v. 31 (3), 187-193
E[ntamoeba] histolytica, human hepatic abscess, symptoms, diagnosis, medical management, suggested therapy

Abscess, Amebic
Migasena, P.; et al., 1979, Ann. Trop. Med. and Parasitol., v. 73 (4), 355-361
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
de Morais, J. A. D.; and Medina, E., 1976, Ann. Soc. Belge Med. Trop., v. 56 (6), 449-458
amoebic abscess, human hepatic, visualization by tomographic scans after injection of triiodide benzoic acid, useful for diagnosis and treatment evaluation

Abscess, Amebic
Olaeta Elizalde, R., 1973, Rev. Cir. Hosp. Juarez, Mexico (187-188), v. 44, 1972-1973, 54-58
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
Ou Tim, L.; Segal, I.; and Hodkinson, H. J., 1979, South African Med. J., v. 55 (5), 179-184
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
amoebic liver abscesses, humans, echography in diagnosis, treatment and surveillance, especially useful in tropical areas

Abscess, Amebic
Powell, S. J.; Sutton, J. B.; and Lautre, G., 1973, South African Med. J., v. 47 (34), 1555-1557
Entamoeba histolytica, 34-year-old man, case report, haemobilia as complication of amoebic liver abscess, diagnosis by arteriography: King Edward VIII Hospital, Durban

Abscess, Amebic
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

Abscess, Amebic
Ramachandran, S.; and Edwards, R., 1978, J. Trop. Med. and Hyg., v. 81 (2-3), 40-41
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
Robles Gonzalez, L.; et al., 1973, Rev. Fac. Med., Univ. Nac. Auton. Mexico, an. 16, v. 16 (2), 87-90
human hepatic amoebic abscess with involvement of the pericardium, case report, diagnosis by fluoroscopy and radioisotopes, surgical management

Abscess, Amebic
Roumy, G.; et al., 1978, Rev. Franc. Gastro-Enterol. (139), 41-48
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 amoebic liver abscess: clinical findings, laboratory findings, management, case reports: Texas

Abscess, Amebic
Shamov, Iu. A., 1978, Terap. Arkh., v. 50 (8), 70-73
amoebiasis, human hepatic abscess, diagnosis, medical and surgical therapy, case reports

Abscess, Amebic
Shkurovich, M.; et al., 1974, Rev. Med. Hosp. Gen., Mexico, v. 37 (4), 215-227
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
Tovar, A. V.; et al., 1973, Rev. Fac. Med., Univ. Nac. Auton. Mexico, an. 16, v. 16 (1), 31-35
human amoebic hepatic abscess, analysis of hospital cases (presenting symptoms, complications, medical and surgical management): Mexico

Abscess, Amebic
Triger, D. R., 1978, J. Trop. Med. and Hyg., v. 81 (4), 54-59
Entamoeba histolytica, human, liver abscess, clinical features, response to therapy, review of 24 cases: Wessex region, Great Britain

Abscess, Amebic
Viana, R. L.; Rego, A.; and Antunes Dias, F. A., 1974, South African Med. J., v. 48 (3), 96-100
amoebiasis, human hepatic abscess, scanning and selective hepatic arteriography for diagnosis and differential diagnosis

Abscess, Amebic
Wijesundera, P. de S., 1974, Sri Lanka J. Surg., v. 1 (1), 71-74
amoebic 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
Areekul, S.; et al., 1979, Southeast Asian J. Trop. Med. and Pub. Health, v. 10 (1), 67-72
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), 1058-1065
parasitic infections, association with malabsorption in man

Absorption, Host
Castro, G. A.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (3), 500-507
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
Castro, G. A.; Hessel, J. J.; and Whalen, G., 1979, Parasite Immunol., v. 1 (4), 259-266
Trichinella spiralis, rats, intestinal fluid movement in response to primary or secondary infection, relationship to prevention of worm establishment

Absorption, Host
Fraga Filho, C.; Sobral, D. T.; and Arantes, M. R., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (4), 209-216
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
Khovanskikh, A. E.; Krylov, M. V.; and Ludinova, I. C., 1974, Parazitologiia, Leningrad, v. 8 (2), 164-169
Eimeria tenella, chickens (exper.), absorption of iron in small intestine, concentration of iron in tissues and organs

Absorption, Host
Mahalanabis, D.; et al., 1978, Am. J. Clin. Nutrition, v. 32 (2), 313-318
Ascaris 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
Moniliformis 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
Noblet, G. P.; and Turk, D. E., 1979, Poultry Science, v. 58 (2), 392-403
Eimeria spp., chicks (exper.), no interference with overall intestinal absorption of ^{14}C-glucose, results suggest probable compensatory absorption by sections of intestine unaffected by a specific coccidial infection

Absorption, Host
Pucci, H.; et al., 1978, AMB, Rev. Ass. Med. Brasil., v. 24 (10), 341-344
S[chistosoma] 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
Ruff, M. D., 1978, Proc. 1978 Maryland Nutrition Conf. Feed Mfr. (University of Maryland, Mar. 16-17), 32-37
Eimeria spp., chickens, anticoccidials, safe withdrawal times, effect on nutrient malabsorption

Absorption, Host
Tomkins, A. M.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (1), 33-36
Giardia lamblia, intestinal colonization by enterobacteria as possible important contributing factor in the development of malabsorption in humans with giardiasis

Absorption, Host
Vengesa, P. B.; and Leese, H. J., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (1), 55-60
Schistosoma mansoni-infected Mus musculus, body weight, food intake, small intestinal weight, impaired transport of glucose, 3-0-methylglucose, sorbitol, and fluid, surface appearance of intestinal mucosa

Absorption, Host
Waslien, C. I.; Farid, Z.; and Darby, W. J., 1973, South. Med. J., v. 66 (1), 47-50
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
Arme, C.; and Walkey, M., 1970, Symposia Brit. Soc. Parasitol., v. 8, 79-101
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
Belinskaia, V. Z., 1973, Parazitologiia, Leningrad, v. 7 (2), 116-122
Hypoderma bovis, 1st stage larvae, uptake of amino acids tagged with radioisotopes

Absorption, Parasite
Bogitsh, B. J.; and Carter, O. S., 1979, Tr. Am. Micr. Soc., v. 98 (3), 454-460
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
Carlisle, S.; and Weisberg, L. S., 1978, Exper. Parasitol., v. 44 (1), 124-135
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

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. 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

Absorption, 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

Absorption, Parasite
Dixon, K. E., 1976, Rice Univ. Studies, v. 62 (4), 69-80
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, Parazitologiia, 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
Graeber, K.; and Storch, V., 1978, Ztschr. Parasitenk., v. 57 (2), 121-135
Echinorhynchus gadi, Acanthocephalus lucii, Polymorphus minutus, Macracanthorhynchus hirudinaceus, integument, 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
Gruenberg, J.; Sharma, P. R.; and Deshusses, J., 1978, European J. Biochem., v. 89 (2), 461-469
Trypanosoma brucei, D-glucose transport

Absorption, Parasite
Halton, D. W., 1978, Parasitology, v. 76 (1), 29-37
Diclidophora 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 haimeanus, 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
Koshkina, L. A., 1973, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 23, 82-86
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
Kuo, M., 1979, J. Chinese Soc. Vet. Sc., v. 5 (1), 9-18
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
Love, R. D.; and Uglem, G. L., 1978, J. Parasitol., v. 64 (3), 426-430
Hymenolepis diminuta, effect of Na^+ exchange on $^{22}Na^+$ and ^3H-glucose influx rates, estimation of coupling coefficient for these molecules

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

Absorption, Parasite
MacInnis, A. J.; et al., 1976, Rice Univ. Studies, v. 62 (4), 183-204
Hymenolepis diminuta, specificity of amino acid transport in the tapeworm and in its rat host

Absorption, Parasite
Midgley, M., 1978, Biochem. J., v. 174 (1), 191-202
Crithidia fasciculata, α-aminoisobutyrate transport: effect of incubation medium composition, kinetic studies, effects of inhibitors, studies on respiration, metabolic effects of inhibitors

Absorption, Parasite
Moczon, T., 1975, Acta Parasitol. Polon., v. 23 (1-11), 135-145
Hymenolepis diminuta, mature specimens, distribution of glycogen and of radioactive compounds accumulated in tissues after incubation in glucose-$^{14}C_{1-6}$

Absorption, Parasite
Moczon, T., 1977, Acta Parasitol. Polon., v. 24 (20-27), 269-274
Hymenolepis diminuta, oncospheres and cysticercoids, glycogen distribution, accumulation of radioactive compounds after incubation in glucose-$^{14}C_{1-6}$

Absorption, 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

Absorption, Parasite
Parshad, V. R.; and Guraya, S. S., 1978, Vet. Parasitol., v. 4 (2), 111-120
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
Pavlov, A. V., 1973, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 23, 115-118
Ascaris suum, effect of ATP, B_6 and DNP on transport of amino acid in vitro

Absorption, Parasite
Pavlov, A. V.; and Koshkina, L. A., 1973, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 23, 119-121
Ascaris suum, role of nervous system in regulating cuticular permeability

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

Absorption, Parasite
Rao, L. N., 1976, J. Zool. Soc. India, v. 26 (1-2), 1974, 63-67
Tremiorchis ranarum, Ganeo tigrinum, Mehraorchis ranarum, 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 3-0-methylglucose across sac preparations of intestine

Absorption, Parasite
Schraw, W. P.; and Vaughan, G. L., 1979, Exper. Parasitol., v. 48 (1), 15-26
Trypanosoma lewisi, membrane function (glucose, leucine, and potassium transport; 5'nucleotidase activity) in dividing and ablastin-inhibited trypanosomes

Absorption, Parasite
Shishova, O. A.; and Mazhuga, N. A., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 21, 151-157
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

Absorption, Parasite
Shishova-Kasatochkina, O. A.; Mazhuga, N. A.; and Sokhina, L. I., 1973, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 23, 211-217
Ascaridia galli, in vitro uptake of proteins of differing structure and biological importance; absorption through intestine rather than through cuticle

Absorption, Parasite
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

Absorption, Parasite
Starling, J. A.; and Fisher, F. M., jr., 1978, J. Comp. Physiol., B, v. 126 (3), 223-231
Moniliformis dubius, carbohydrate transport: post-absorptive phosphorylation of glucose and role of trehalose in accumulation of endogenous glucose reserves

Absorption, Parasite
Uglem, G. L.; and Levy, M. G., 1976, Rice Univ. Studies, v. 62 (4), 225-236
Taenia crassiceps larvae, absorption kinetics of some purines, pyrimidines, and nucleosides

Absorption, Parasite
Uglem, G. L.; Love, R. D.; and Eubank, J. H., 1978, Exper. Parasitol., v. 45 (1), 88-92
Hymenolepis diminuta, membrane transport of glucose and β-methylglucoside, value of using β-methylglucoside to study mechanism of hexose transport and accumulation in this parasite

Absorption, Parasite
Wittrock, D. D., 1978, Ztschr. Parasitenk., v. 57 (2), 145-154
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
Lhoste, J., 1975, La protection de l'homme contre les insectes, [189] pp.

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, Parazitol. i Invaz. Bolezni Sel'skokhoz. Zhivot. (Abuladze), 130-169
veterinary acarology

Accidental parasites. <u>See</u> Parasites, Accidental.

Adaptation. [<u>See also</u> Ecology; Evolution; Genetics; Host-parasite relationships]

Adaptation
Albaret, J. L.; and Leger, N., 1978, Ann. Parasitol., v. 53 (6), 617-622
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
Barrera, A., [1967], Rev. Soc. Mexicana Hist. Nat., v. 27, 1966, 67-88
Hoplopsyllus pectinatus sp. nov., Cediopsylla tepolita sp. nov., adaptation to host (a Paleolaginae rabbit), striking examples of slow evolution of parasites of "living fossil"; similarity with Nesolagobius callosus, a species of flea parasitic on Nesolagus (an Old World Paleolaginae rabbit) belonging to the Archaeopsyllinae rather than the Spilopsyllinae

Adaptation
Belozerov, V. N., 1973, Parazitologiia, 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 (1), 110-115
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
Brooks, D. R., 1979, System. Zool., v. 28 (3), 299-307
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
Chesnova, L. V., 1978, [Concepts of evolution in parasitology. (Historical essay)], 162 pp.
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
Daggett, P. M.; Decker, J. E.; and Janovy, J., 1978, Comp. Biochem. and Physiol., v. 59A (4), 363-366
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

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

Adaptation
Dubovskaia, A. Ia., 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
Pleurogenidae, Lecithodendriidae, Plagiorchiidae, parasites of bats, morphology, localization in host intestine, and mode of feeding briefly discussed as examples of adaptive evolution of the parasites

Adaptation
Kozar, M., 1974, Acta Parasitol. Polon., v. 22 (35-44), 473-483
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 anatomo-pathological changes, parasite adaptation to snails discussed

Adaptation
Kulmamatov, E. N.; and Azimov, D. A., 1978, Dokl. Akad. Nauk UzSSR (8), 66-67
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
Lewis, P. D., jr., 1978, Proc. Montana Acad. Sc., v. 37, 1977, 70-81
Leucochloridium variae, L. cyanocittae, Neoleucochloridium 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
Nizami, W. A.; Siddiqi, A. H.; and Waseemul Islam, M., 1977, Ztschr. Parasitenk., v. 52 (3), 275-280
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, Parazitologiia, Leningrad, v. 8 (2), 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
Rechav, Y.; et al., 1978, Nature, London (5678), v. 275, 310-311
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

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

Adaptation
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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
Timm, R. M.; and Cook, E. F., 1979, Am. Midland Naturalist, v. 101 (1), 211-217
Cuterebra fontinella on Peromyscus leucopus noveboracensis, 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
Urdaneta-Morales, S.; and Rueda, I. G., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (4), 241-250
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. <u>See</u> Attachment.

Adoptive immunity. <u>See</u> Immunity, Passive.

Afghanistan
Barus, V.; Kullmann, E.; and Tenora, F., 1972, Acta Scient. Nat. Brno, n. s., v. 6 (1), 46 pp.
nematodes of vertebrates, 1962-1967, zoogeography

Afghanistan
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 (Plasmodium falciparum; P. malariae; P. vivax; Toxoplasma gondii; Fasciolidae; Echinococcus granulosus; Ascaris lumbricoides; Taenia saginata; Hymenolepis nana; Entamoeba histolytica)

Agar diffusion; Agar gel diffusion. <u>See</u> Immunity, Precipitation.

Age. [<u>See also</u> Longevity; Survival and viability]

Age of host
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Stephanofilaria zaheeri, prevalence in buffaloes of different age groups: Jabalpur

Age of host
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Proteocephalus exiguus, seasonal and age dynamics in [Coregonus]: Tiumen oblast

Age of host
Allamand M., J.; and Lemus B., J., 1977, Rev. Med. Chile, v. 105 (7), 439-442
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
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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
Anderson, M. J. D.; and Griffin, J. F. T., 1979, Internat. J. Parasitol., v. 9 (3), 229-233
Taenia crassiceps, rats, differences in susceptibility to infection and development of immunocompetence in relation to host strain and age

Age of host
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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. Sc., 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
Arbuckle, J. B. R.; and Khalil, L. F., 1978, Vet. Rec., v. 102 (10), 207-210
Thelazia 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
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haplosporidan 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
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paragonimiasis, humans, incidence survey (1972-1976) by age and sex: Ecuador

Age of host
Assoku, R. K. G., 1979, Bull. Animal Health and Prod. Africa, v. 27 (1), 29-39
blood parasites, livestock, incidence in relation to host sex and age and to husbandry and management practices: Accra Plains, Ghana

Age of host
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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, Cameroun

Age of host
Ayala, S. C.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (6), 411-416
Haemoproteus, Plasmodium, and hippoboscid ectoparasites of Zenaida auriculata caucae, infection patterns and dove population dynamics, seasonal prevalence: Cauca River valley, Colombia

Age of host
Bagchi, K.; Bazaz Malik, G.; and Sharma, M. I. D., 1978, Indian J. Med. Research, v. 68, 917-922
Plasmodium vivax, human, determination of antibody titres using indirect haemagglutination test, relationship to host age

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

Age of host
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nematodes, trematodes, cattle, age and seasonal dynamics on specialized farms: Belorussia

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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 previously been thought

Age of host
Beck, J. T., 1979, Parasitology, v. 79 (3), 431-449
Probopyrus pandalicola-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
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Age of host
Beverley, J. K. A.; Henry, L.; and Hunter, D., 1978, Research Vet. Sc., v. 24 (2), 139-146
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
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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
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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

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Schistosoma japonicum, school children, annual incidence and prevalence measured from records of routine examinations at various schools, host age: Dagami Area, Leyte, Philippines

Age of host
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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

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

Age of host
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Age of host
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Age of host
Boiko, V. A.; Aiupov, A. S.; and Ivliev, V. G., 1973, Parazitologiia, Leningrad, v. 7 (6), 536-540
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Age of host
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Age of host
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Schistosoma haematobium, humans, incidence, host age and sex, hematuria: Kaduna, northern Nigeria

Age of host
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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
Brink, J. D.; de Wet, J. S.; and van Rensburg, A. J., 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

Age of host
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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
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Ascaridia galli, chickens (exper.), age and breed resistance

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

Age of host
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Tylodelphys 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)

Age of host
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Corallonoxia longicauda in Meandrina meandrites, 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

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

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

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

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

Age of host
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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
Castelino, J. B.; and Preston, J. M., 1979, Brit. Vet. J., v. 135 (2), 198-203
Fasciola gigantica, cattle, influence of breed and age on prevalence, abattoir survey: Kenya

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

Age of host
Cattan, P. E.; and George-Nascimento, M., 1978, Rev. Iber. Parasitol., v. 38 (3-4), 505-514
relationship of mean parasitic burden and frequency of Octodon degus parasitized with 4 common helminths, host sex and age: Lo Curro, a 2,5 km al N.E. de Santiago

Age of host
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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

Age of host
Cheever, A. W.; et al., 1978, Am J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 55-75
Schistosoma mansoni, S. haematobium, humans, quantitative study of 400 consecutive autopsies, extrahepatic pathologic findings correlated with presence or absence of schistosome infection and with intensity of infection: Egypt

Age of host
Chernysheva, N. B., 1973, Parazitologiia, 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
Chhabra, M. B.; and Mahajan, R. C., 1979, Trop. Animal Health and Prod., v. 11 (1), 27-28
Toxoplasma gondii in Bos indicus, serological survey, age and sex prevalence: Chandigarh, north India

Age of host
Chhabra, M. B.; and Mahajan, R. C., 1979, Trop. and Geogr. Med., v. 31 (4), 499-502
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Age of host
Christensen, H. R.; and Clark, B. L., 1979, Austral. Vet. J., v. 55 (4), 205 [Letter]
Tritrichomonas 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
Clayton, H. M.; and Duncan, J. L., 1979, Research Vet. Sc., v. 26 (3), 383-384
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 platycephalus (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
Colli, C.; and Schantz, P. M., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (2), 59-68
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), 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

Age of host
Cone, D. K.; and Anderson, R. C., 1977, Canad. J. Zool., v. 55 (9), 1410-1423
parasites of Lepomis gibbosus, prevalence and intensity in relation to host age and sex: Ryan Lake, Algonquin Park, Ontario

Age of host
Conlogue, G.; et al., 1979, J. Parasitol., v. 65 (1), 105-108
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

Age of host
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

Age of host
Cornille-Brøgger, 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

Age of host
Corrier, D. E.; and Guzman, S., 1977, Trop. Animal Health and Prod., v. 9 (1), 47-51
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

Age of host
da Cunha, A. S.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (5), 289-300
Entamoeba histolytica, comparative epidemiological survey, rural vs. urban areas, highest prevalence directly related to lowest sanitary conditions, clinical manifestations, associated parasitism: Brazil

Age of host
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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

Age of host
Czaplinski, B., 1975, Acta Parasitol. Polon., v. 23 (26-40), 305-327
Hymenolepididae of wild Cygnus olor, extensiveness and intensity of infestation, age and sex of host, seasonal variation, distribution within digestive tract: Poland

Age of host
Dakkak, A.; Cabaret, J.; and Oudbib, M., 1978, Rec. Med. Vet., v. 154 (9), 753-760
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)

Age of host
Dalton, P. R.; and Pole, D., 1978, Bull. World Health Organ., v. 56 (3), 417-426
Schistosoma haematobium, water contact patterns of people according to age, sex, and type of activity, multiple regression analysis: Fatem, Lake Volta, Ghana

Age of host
Dario, J. G.; Gatmaitan, O. M.; and Aglibut, F. B., 1975, Philippine Agric., v. 59 (5-6), 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

Age of host
Dau, C. P., 1978, Canad. J. Zool., v. 56 (8), 1882-1885
helminths of Somateria fischeri (intestinal tracts), survey by host age and sex, seasonal fluctuations in parasite numbers: Yukon-Kuskokwim Delta, Alaska

Age of host
Davydov, O. N., 1978, Gidrobiol. Zhurnal, v. 14 (4), 70-77
Bothriocephalus gowkongensis in cyprinid fishes, growth, development, and fertility in relation to temperature, host age and diet, and intensity of invasion

Age of host
De Jonckheere, J., 1979, Path. Biol., v. 27 (8), 453-458
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
Dhar, D. N.; and Sharma, R. L., 1979, Indian J. Animal Sc., v. 49 (7), 585-588
lungworms, sheep and goats (feces of both), sex and age prevalence: Tehsil Kargil, District Ladakh (Jammu and Kashmir)

Age of host
Dineen, J. K.; Gregg, P.; and Lascelles, A. K., 1978, Internat. J. Parasitol., v. 8 (1), 59-63
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

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Age of host
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Age of host
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Age of host
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Age of host
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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
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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

Age of host
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Skrjabingylus 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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intestinal nematodes of dogs and cats, prevalence, sex and age of host, seasonal patterns, statistics obtained from records of the Iowa State University Veterinary Clinic: Ames, Iowa

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

Age of host
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Schistosomatium douthitti, effect of age and of size of Lymnaea catascopium on miracidium-snail interactions and on susceptibility to infection, ingestion of miracidia and their subsequent penetration through esophageal wall, miracidial penetration of external snail surfaces was rare

Age of host
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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
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Eimeria spp., turkeys, coccidiosis management, innate (age) resistance and acquired immunity vs. anticoccidial medication

Age of host
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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

Age of host
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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

Age of host
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Age of host
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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

Age of host
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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

Age of host
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Age of host
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Dicrocoelium dendriticum, frequency in cattle, according to host age and sex, seasonal distribution: Granada, Spain

Age of host
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Digramma interrupta-infected Abramis brama, weights of various organs, various age classes of fish, statistical analysis

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

Age of host
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nematodes, coccidia, age and seasonal dynamics of infection rates of chickens

Age of host
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dermal leishmaniasis, humans and dogs, epidemiology, negative search for infected phlebotomines and wild mammals: Rio Doce Valley, State of Minas Gerais, Brazil

Age of host
Mester, H., 1978, Ang. Parasitol., v. 19 (1), 20-28
Actornithophilus gracilis, Austromenopon aegialitidis, Quadraceps junceus, lapwing nestlings, correlation between number of lice and host age, food preferences of both sexes of lice, overcrowding

Age of host
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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

Age of host
Mills, C. A.; Anderson, R. M.; and Whitfield, P. J., 1979, J. Animal Ecol., v. 48 (2), 383-399
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

Age of host
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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

Age of host
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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

Age of host
Mirck, M. H.; and Franken, P., 1978, Tijdschr. Diergeneesk., v. 103 (7), 355-360
Strongyloides westeri, ponies (exper.), foals and yearlings, comparisons of prepatent periods, haemoglobin values, and beta-globulin levels

Age of host
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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

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

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Musaev, F. A., 1972, Parazitologiia, Leningrad, v. 6 (2), 185-188
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

Age of host
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Age of host
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Neoechinorhynchus saginatus in Semotilus corporalis, seasonal changes in prevalence and intensity, parasite population structure, distribution in host intestine, relationship between fish size and parasite prevalence and intensity, occurrence in other hosts: Oyster River, Durham, New Hampshire

Age of host
Nadim, A.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 25-28
kala-azar, human, geographical distribution, age and sex distribution, clinical findings, wild carnivores as probable reservoir hosts and Phlebotomus major as probable vector: Iran

Age of host
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Age of host
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Fasciola hepatica, sheep, high frequency in adults and strikingly low frequency in lambs results from marshland management system; summer grazing on dike and its seaward side where snail vectors are not found prevents lamb infection; massive infection of adults also prevented: South-western Jutland

Age of host
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Plasmodium falciparum, human, antibodies to sporozoites, occurrence in 4 age groups: Keneba, West Kiang district, The Gambia

Age of host
Nathan, M. B.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 299-302
Mansonella ozzardi, humans, prevalence and distribution in coastal north Trinidad, W.I.

Age of host
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intestinal parasites, human, prevalence by age and sex: Kampong Telok Kechil, Pulau Pangkor, West Malaysia

Age of host
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Age of host
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Age of host
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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

Age of host
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Giardia lamblia found to be prevalent infection in infant and child patients at 2 local hospitals in Santiago, Chile

Age of host
Oberg, C.; Franjola, R.; and Leyan, V., 1979, Bol. Chileno Parasitol., v. 34 (1-2), 21-26
helminths of dogs, incidence survey, prevalence in relation to age, sex and weight: Valdivia City, Chile

Age of host
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Toxoplasma gondii, children and juveniles surveyed for positive reactions to the toxoplasmin skin test, comparisons by age, and geographic locations in and around Berlin (GDR)

Age of host
Omer, A. H. S., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 858-863
Plasmodium spp., human, prevalence by parasite species and by host age group, dramatic response to mass chemoprophylaxis with chloroquine: Gezira and Bor regions, Sudan

Age of host
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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

Age of host
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Toxocara canis, specific-pathogen-free beagles vs. prenatally infected mongrel dogs dewormed before inoculation (exper.), larval migration and development, eosinophilia after primary and superinfection, age resistance

Age of host
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Lamblia, infestation rate in humans of different age groups in rural and urban areas, high infestation 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

Age of host
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Age of host
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Age of host
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human trypanosomiasis, evaluation of age, sex and weight of Chagasic patients, possible effects on arterial blood pressure

Age of host
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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

Age of host
Parre, J.; and Simovart, H. E., 1977, Eesti Pollumaj. Akad. Teadusl. Toode Kogum. (104), 114-118
histomoniasis, turkeys, age and seasonal dynamics in relation to epizootiology; disease outbreaks in young birds under stress conditions; nitazol satisfactory, trichopol good prophylactic and therapeutic effect

Age of host
Partono, F.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 910-915
Brugia timori, human, epidemiological and clinical features in newly established village: Karakuak, West Flores, Indonesia

Age of host
Pautrizel, R.; et al., 1978, Compt. Rend. Acad. Sc., Paris, v. 287, s. D, Sc. Nat. (5), 575-578
Trypanosoma equiperdum, mice, influence of host age on effectiveness of stimulation of its defenses by electromagnetic radiation, mature immune system is required

Age of host
Pederson, J. C., 1977, Great Basin Nat., v. 37 (3), 407-409
Dermacentor albipictus on Odocoileus hemionus (anus, ears, areas of flank and udder), rates of occurrence and infestation, seasonal distribution, age of host and parasite: Utah County, Utah

Age of host
Pejcoch, M., 1977, Casop. Slezsk. Muz., s. A., v. 26 (1), 71-76
human intestinal parasites reported by age groups: okrese Bruntal, Czechoslovakia

Age of host
Pellegrino, J.; Coelho, P. M. Z.; and Sampaio, I. B. M., 1978, Am. J. Trop. Med. and Hyg., v. 27 (2, pt. 1), 363-364
Schistosoma mansoni, men vs. boys, intradermal test with histamine, no statistical difference in skin response, contrast with earlier results using specific schistosomal antigens (response significantly greater in men than in boys)

Age of host
Pence, D. B.; and Meinzer, W. P., 1979, Internat. J. Parasitol., v. 9 (4), 339-344
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

Age of host
Peron, E.; and Mauri, M., 1977, Rev. Cubana Cien. Vet., v. 8 (2), 13-21
Dictyocaulus viviparus, calves, extent of invasion, results correlated with climatic conditions regardless of management-rotation changes; lower incidence in older animals: Cuba

Age of host
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prevalence of micro-organisms in female genital tract, comparison in women from 2 health clinics; Trichomonas vaginalis had epidemiology similar to Chlamydia, Neisseria and Mycoplasma, older women had increased susceptibility to trichomoniasis

Age of host
Phillips, W. J.; and Cannon, L. R. G., 1978, J. Fish Dis., v. 1 (2), 137-149
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

Age of host
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echinococcosis, pulmonary hydatid cysts in children, clinical aspects, medical and surgical management according to type of lesions

Age of host
Pigott, R. S., 1978, Southwest. Vet., v. 31 (3), 193-196
Dirofilaria immitis, Dipetalonema reconditum, pet dogs, prevalence in relation to sex, weight, age, haircoat color and length, and whether dogs were kenneled indoors or outdoors: Corpus Christi, Texas

Age of host
Popov, V. N., 1975, Parazitologiia, Leningrad, v. 9 (1), 31-36
helminth fauna of Histriophoca fasciata, intensity and extensity, host age dynamics: southern Okhotsk Sea

Age of host
Prestwood, A. K.; Smith, J. F.; and Brown, J., 1971, J. Wildlife Dis., v. 7 (3), 149-154
Dictyocaulus viviparus in Odocoileus virginianus (lungs), prevalence and numbers, seasonal abundance, host age and sex: Alabama; Arkansas; Florida; Georgia; Kentucky; Louisiana; Maryland; Mississippi; North Carolina; South Carolina; Texas; Virginia; and West Virginia

Age of host
Prokopic, J.; and Pavlasek, I., 1977, Vet. Med., Praha, v. 50, v. 22 (8), 505-512
endoparasites, calves, coprological examination in large-capacity calf-houses, parasite number and extensity of invasion increases with age: Benesov district, Central-Bohemian region

Age of host
Przyjałkowski, Z., 1978, Acta Parasitol. Polon., v. 25 (21-35), 287-292
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

Age of host
Pugh, R. N. H., 1979, Ann. Trop. Med. and Parasitol., v. 73 (2), 189-190
Schistosoma haematobium, males aged 5-20, prime enviromental contaminators responsible for more than 77% of infection transmission, need for control measures: Malumfashi area, northern Nigeria

Age of host
Pugh, R. N. H.; and Gilles, H. M., 1978, Ann. Trop. Med. and Parasitol., v. 72 (5), 471-482
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

Age of host
Pugh, R. N. H.; and Gilles, H. M., 1979, Ann. Trop. Med. and Parasitol., v. 73 (4), 349-354
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

Age of host
Rau, M. E.; and Gordon, D. M., 1978, J. Fish Dis., v. 1 (3), 259-263
Apatemon gracilis pellucidus in Culaea inconstans, frequency distribution and localization in host populations of homogeneous age and size structure: swamp on Ile Perrot, Province of Quebec, Canada

Age of host
Rehbinder, C.; and von Szokolay, P., 1978, Nord. Vet.-Med., v. 30 (4-5), 214-216
Ostertagia leptospicularis, Spiculopteragia alcis, winter-slaughtered reindeer, lower prevalence in calves than in adults, lower number of species than in autumn, possible significance: Sweden

Age of host
Ricciardi, I. D.; et al., 1978, Rev. Microbiol., Sao Paulo, v. 9 (4), 181-187
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

Age of host
Richter, C. B.; Humason, G. L.; and Godbold, J. H., jr., 1978, J. Comp. Path., v. 88 (2), 171-180
Pneumocystis carinii in Saguinus spp., lung pathology, incidence, predisposition in young and long term residents of Medical and Health Sciences Division of Oak Ridge Associated Universities

Age of host
Robertson, D. A., 1979, J. Fish Dis., v. 2 (6), 481-491
Ichtyobodo 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

Age of host
Rogers, R. J.; Blight, G. W.; and Knott, S. G., 1978, Austral. Vet. J., v. 54 (3), 115-120
Anaplasma marginale in Bos taurus and B. indicus types, clinical outbreaks, serological survey, seasonal distribution, age, sex, and breed of host, high prevalence in Boophilus microplus infested areas: southern Queensland

Age of host
Rohde, K., 1979, Am. Naturalist, v. 114 (5), 648-671
ectoparasites of fish, particularly Monogenea, critical evaluation of intrinsic and extrinsic factors responsible for niche restriction

Age of host
Romestand, B.; and Trilles, J. P., 1979, Ztschr. Parasitenk., v. 59 (2), 195-202
cymothoid isopods, influence on host growth and weight-size ratios

Age of host
Rondelaud, D.; and Barthe, D., 1978, Ann. Parasitol., v. 53 (2), 201-213
Fasciola hepatica, development of redial generations in Lymnaea truncatula in relation to temperature, desiccation of habitat, and host body size

Age of host
Rondelaud, D.; and Barthe, D., 1978, Compt. Rend. Soc. Biol., Paris, v. 172 (6), 1194-1200
Fasciola hepatica, development of rediae in Limnaea spp., dependent upon host growth

Age of host
Rose, J. H., 1978, Research Vet. Sc., v. 24 (1), 61-64
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

Age of host
Rothwell, T. L. W., 1978, Internat. J. Parasitol., v. 8 (1), 33-37
Trichostrongylus colubriformis, 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)

Age of host
Rozen, P.; Corpade, M.; and Blajovan, L., 1978, Bacteriol., Virusol., Parazitol., Epidemiol., Bucuresti, v. 23 (4), 207-212
Giardia lamblia, children, age and seasonal incidence: urban district, Bucuresti

Age of host
Salgado Filho, W.; et al., 1976, AMB, Rev. Ass. Med. Brasil., v. 22 (7), 237-240
Chagas disease, outpatients, review of cases from 1960-1970, decreased incidence of cardiopathy: Hospital das Clinicas de Ribeirao Preto

Age of host
Samuel, W. M.; Trainer, D. O.; and Glazener, W. C., 1971, J. Wildlife Dis., v. 7 (3), 142-146
Cephenemyia spp. on Odocoileus virginianus, prevalence and numbers, seasonal distribution, age and sex of host, habitat: Welder Refuge, San Patricio County, south Texas

Age of host
Sannia, A.; and James, B. L., 1978, Ztschr. Parasitenk., v. 56 (1), 1-11
Cercaria cerastodermae I in Cerastoderma edule, variations in occurrence as related to season, size, age, distribution and species of host; double infections with other trematodes: Thames estuary

Age of host
Saror, D. I.; Schillhorn van Veen, T. W.; and Adeyanju, J. B., 1979, J. Small Animal Practice, v. 20 (4), 243-247
intestinal parasites, dogs, prevalence, distribution by age group, blood picture: Zaria, Nigeria

Age of host
Schantz, P. M.; Meyer, D.; and Glickman, L. T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (1), 24-28
ocular toxocariasis, 17 children, clinical, serologic, and epidemiologic characteristics

Age of host
Schenone, H.; et al., 1971, Rev. Chilena Pediat., v. 42 (8), 561-566
human scabies, incidence survey showed children under 15 to be most heavily infested, apparent spread through overcrowding of sleeping facilities of families, lindane therapy recommended as drug of choice: Santiago, Chile

Age of host
Schilt, U., 1978, Schweiz. Med. Wchnschr., v. 108 (18), 668-672
Toxoplasma gondii, human, diagnosis, sensitivity and reproducibility of indirect immunofluorescence, results of tests on 2593 Bernese people in 9 age classes; need for expression of antibody titers in international units

Age of host
Schutte, C. H. J.; van Deventer, J. M.; and Eriksson, I. M., 1977, South African Med. J., v. 51 (9), 268-272
Schistosoma haematobium and other intestinal parasites of black children in an endemic schistosomiasis area, incidence survey by age and sex: Natal, South Africa

Age of host
Scott, J. S., 1969, J. Fish. Research Bd. Canada, v. 26 (4), 879-891
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

Age of host
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, clincial presentation, schistosome species, intradermal test results, and effect of chemotherapy

Age of host
Shanta, C. S.; et al., 1977, Malaysian Vet. J., v. 6 (3), 95-110
endo- and ecto-parasites of dogs, prevalence rates, degree of parasitism, sex of parasite, sex and age of host: Ipoh, West Malaysia

Age of host
Shepherd, R. C. H.; and Edmonds, J. W., 1978, Austral. J. Ecol., v. 3 (3), 287-295
Echidnophaga myrmecobii, E. perilis, and E. gallinacea on Oryctolagus cuniculus, seasonal occurrence, ratio of male/female fleas, age and sex of host: Mallee region, north-west of Victoria, Australia

Age of host
Sherkov, S. N.; and El Rabie, Y., 1977, Egypt. J. Vet. Sc., v. 13 (2), 1976, 89-97
Linguatula serrata, domestic animals, survey, highest intensity of invasion in mountainous areas, seasonal distribution, absense of infection in young animals, control measures: Jordan

Age of host
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Age of host
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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

Age of host
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nematodes, Rattus rattus, incidence and intensity of infection in relation to weight, sex, age of host, and month of year: Jodhpur

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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

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Age of host
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Age of host
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sucking lice on small rodents, infestation in relation to type of forest, host age and sex, and season: Crimean mountains

Age of host
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Neohaematopinus palaearctus 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

Age of host
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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

Age of host
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Paragonimus kellicotti, population biology of metacercariae in crayfish (Orconectes rusticus, Orconectes sp.): prevalence and intensity in relation to host size (age) and sex, frequency distribution (negative binomial) and abundance in two different localities (in municipal park vs. in undisturbed woodlot), seasonal variation, no apparent detrimental effect of infection on host, seasonal timing of life cycle events is postulated: tributary of Alum Creek near Westerville, Franklin County, Ohio

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Dictyocaulus viviparus, cattle, infestation rates in relation to season, fattening vs. individual farm-houses, native vs. dairy cattle, and host age: Seoul abattoir, Korea

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Echinostoma malayanum, infection rate of Indoplanorbis exustus (exper.) decreased as shell diameter increased, cause of relative nonsusceptibility of large snails not known

Age of host
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Eimeria tenella, E. mitis, chickens (exper.), changes in total, residual, and protein nitrogen content in liver, depends on stage of development of parasite, host age, and species of Coccidia

Age of host
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Cystocaulus ocreatus, sheep (lungs), age of host, morphology, histopathology in intermediate and definitive hosts, development, monograph: Central Slovakia

Age of host
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Dictyocaulus viviparus, calves, four age groups, double immunization, challenged one month later, course of defence reaction

Age of host
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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

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parasites of children, prevalence factors (age, sex, socio-economic class, crowding): Rome, Italy

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Oedemagena tarandi, intensity of infestation of reindeer, effect of host age, sex, weight, and health, differences in degree of infection of various age and sex groups apparently are result of unequal mortality rates of grubs rather than number of eggs laid by female flies: Amur oblast

Age of host
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Microphallus pygmaeus and Cercaria parvicaudata in Littorina saxatilis, intensity and extensity 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

Age of host
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Cuterebra fontinella on Peromyscus leucopus noveboracensis, 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

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Age of host
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Angiostrongylus cantonensis, Pila ampullacea (exper.), method of introducing larvae to individual snails to make possible quantitative evaluation of worm recovery, distribution of infective stages within snail, dose of infection, and age of snails (which may affect host susceptibility) are analyzed

Age of host
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intestinal parasites, native people, incidence by age-groups: Sioux Lookout Zone, northwestern Ontario

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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

Age of host
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Plasmodium spp., humans, incidence survey, distribution by age and sex of host, multiple infections more common in children: rural areas of Zambia

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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

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malariometric study of young children (seasonal distribution, age-specific parasite prevalence, splenic indices): Malumfashi, Northern Nigeria

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Schistosoma margrebowiei, life cycle, possible interactions with S. leiperi, host age: Lochinvar National Park, Zambia

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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

Age of host
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Wuchereria bancrofti, humans, distribution and prevalence survey: north-western savanna area of Liberia, West Africa

Age of host
Zielke, E.; and Chlebowsky, H. O., 1979, Tropenmed. u. Parasitol., v. 30 (2), 153-165
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snail 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'

Age of parasite
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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

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Corallonoxia longicauda in Meandrina meandrites, 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

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larval protostrongylids, infectivity for several species of helicids in relation to fecal vs. pulmonary origin of larvae and to age of larvae

Age of parasite
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Fasciola hepatica, course of experimental infections in rabbits in relation to age of metacercariae and temperature at which snail intermediate hosts have been maintained, latter considered to be a factor in virulence of metacercariae but not former

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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

Age of parasite
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Cochliomyia hominivorax, field-collected and laboratory reared females, correlation of changes in flight behavior of aging female with changes in ovarian development

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Hymenolepis microstoma, effects of cysticercoid age on morphology, excystation in vitro, and infectivity for mice

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Ascaris lumbricoides, laboratory studies on drug resistance to anthelmintics (ascaridin used in experiments), finding that sex of worm, maturity of worm, and drug concentrations all influenced reactions to drugs

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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

Age of parasite
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Ornithodoros savignyi, blood meal weight and heme content during developmental cycles, technique for determining exact instar

Age of parasite
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Bovicola limbatus, 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

Age of parasite
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Heligmosomoides polygyrus, mice, infectivity of third-stage larvae, storage time and temperature, larvae lose infectivity when they age , maturation period required for maximum infectivity

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Age of parasite
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Plagiorchis elegans, development in final hosts, morphological variation, effect of host species, parasite age, and season

Age of parasite
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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

Age of parasite
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Age of parasite
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Age of parasite
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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

Age of parasite
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

Age of parasite
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Ancylostoma tubaeforme, infective larvae, age-related changes in esterase and acetylcholinesterase activities

Age of parasite
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Age of parasite
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Dermacentor albipictus on Odocoileus hemionus (anus, ears, areas of flank and udder), rates of occurrence and infestation, seasonal distribution, age of host and parasite: Utah County, Utah

Age of parasite
Pennoit-De Cooman, E.; and De Rycke, P. H., 1978, Vlaams Diergeneesk. Tijdschr., v. 47 (3), 236-241
Echinococcus granulosus, criteria for differentiating sterile and fertile experimental secondary cysts (minimum cyst age, presence or absence of calcareous corpuscles)

Age of parasite
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Age of parasite
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Age of parasite
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Hymenolepis nana, young and adult worms, changes in localization in intestine of white mice in course of a day

Age of parasite
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Argulus foliaceus, localization on integument of Xiphophorus helleri and occurrence of free-swimming parasites in relation to water temperature and to parasite age and sex

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Shishova-Kasatochkina, O. A.; and Dubovskaja, A. J., 1975, Acta Parasitol. Polon., v. 23 (26-40), 389-393
6 cestode species, proteinase activity, differences in adult and larval parasites, differences in relation to class of vertebrate host, high proteolytic activity in Schistocephalus solidus tegument

Age of parasite
Sosnina, E. F.; and Davydov, G. S., 1975, Parazitologiia, Leningrad, v. 9 (2), 183-189
Neohaematopinus palaearctus 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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Stradowski, M., 1971, Acta Parasitol. Polon., v. 19 (1-8), 63-68
Amidostomum anseris larvae, Anser anser dom. (exper.), degree of invading activity before and after hatching

Age of parasite
Uspenskii, I. V.; and Repkina, L. V., 1974, Parazitologiia, Leningrad, v. 8 (1), 3-11
Ixodes persulcatus, physiological age and age structure of natural populations over a season, changes in mean physiological age under influence of DDT solution or of the solvent (methyl-ethyl ketone), comparisons of changes in physiological age and susceptibility to DDT

Age of parasite
Uspenskii, I. V.; and Repkina, L. V., 1978, Zool. Zhurnal, v. 57 (7), 1092-1095
Ixodes persulcatus, mating and fertilization in relation to age and moulting

Age of parasite
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Paradoxopsyllus scorodumovi parasitizing Ochotona pricei 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

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Xenopsylla hirtipes, X. g. gerbilli, age (stage) and physiological (fat body score) characteristics of population in various months of the year, significance in plague prophylaxis: Karakum, Turkmenia

Agglutination. <u>See</u> Immunity, Agglutination.

Air-borne diseases. <u>See</u> Disease transmission, Air.

Alaska. <u>See</u> United States, Alaska.

Alberta. <u>See</u> Canada, Alberta.

Allergy. <u>See</u> Immunity, Allergy.

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Siphonaptera, altitudinal distributions of fleas and hosts do not coincide, this lack explained by climatic factors influencing habitats of flea larvae and different levels of host specificity of adult fleas, four different strata or floors of faunistic composition identified: Popocatepetl Volcano and Trans-Volcanic Belt

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Amebic abscess. See Abscess, Amebic.

Ameboma. See Granuloma.

Amino acids. [See also Biochemistry; Metabolism; Proteins]

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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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Anabolism. See Metabolism.

Anaemia. See Anemia.

Anaphylaxis. See Immunity, Allergy.

Anatomy. See Morphology.

Anemia. [See also Blood; Hemoglobin]

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Anemia, Nematoda
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Anemia, Nematoda
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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 erythrogram after addition of thiabendazole to feed

Anemia, Nematoda
Soelberg Sørensen, P.; and Melgaard, B., 1971, Scand. J. Infect. Dis., v. 3 (1), 65-69
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
Tepmongkol, M.; et al., 1973, Siriraj Hosp. Gaz., v. 25 (10), 1683-1690
hookworm, patients passing ova in feces, relationship to anemia: Thailand

Anemia, Nematoda
Vaughan, J. P.; et al., 1977, Trop. and Geogr. Med., v. 29 (4), 369-373
hookworm and iron deficiency anemia in adults and children, therapy with tetrachlorethylene and oral iron, poor response to therapy by children suggests that malaria was causative factor: Tanzania

Anemia, Nematoda
Wilson, G. R.; and Wilson, L. P., 1978, Research Vet. Sc., v. 25 (3), 331-336
Trichostrongylus tenuis, captive Lagopus l. scoticus, hematology, weight, and condition

Anemia, Nematoda
Ziecik, A.; Jablonowski, Z.; and Smok, E., 1974, Acta Parasitol. Polon., v. 22 (1-11), 15-23
Ascaris suum, guinea pigs, studies on mechanism of anemia (half life of erythrocytes determined using cross-transfer of labelled erythrocytes with healthy and infected animals as donors and recipients, osmotic resistance of erythrocytes, diameter of reticulocytes)

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
Charoenlarp, P.; Vanijanonta, S.; and Chatpanyaporn, P., 1979, Southeast Asian J. Trop. Med. and Pub. Health, v. 10 (1), 127-131
falciparum malaria, humans, prednisolone administered with quinine sulfate did not increase red cell survival

Anemia, Protozoa
Corrier, D. E.; et al., 1979, Trop. Animal Health and Prod., v. 11 (4), 215-221
Babesia bigemina- and B. bovis-immunized Bos 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

Anemia, Protozoa
Dargie, J. D.; et al., 1979, Parasitology, v. 78 (3), 271-286
Trypanosoma congolense-infected Ndama 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 Ndama 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
Trypanosoma brucei, Ndama and Zebu cattle (exper.), blood volumes and erythrokinetics, susceptibility differences between breeds

Anemia, Protozoa
Dhar, S.; and Gautam, O. P., 1979, Indian J. Animal Sc., v. 49 (2), 122-126
Theileria annulata, calves (exper.), anemia produced by excessive removal of erythrocytes from circulation by phagocytes, involvement of auto-immune mechanism

Anemia, Protozoa
Eckman, J. R.; et al., 1976, Tr. Ass. Am. Physicians, v. 89, 105-115
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
Esuruoso, G. O., 1977, Bull. Animal Health and Prod. Africa, v. 25 (3), 233-244
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
Greenwood, B. M.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (4), 378-385
Plasmodium falciparum, children, no evidence that any of several immunological factors investigated plays important role in pathogenesis of anemia

Anemia, Protozoa
Greig, W. A.; et al., 1979, Brit. Vet. J., v. 135 (2), 130-141
Trypanosoma congolense, T. vivax, cattle, factors affecting blood sampling for parasitemia and anemia (diurnal variation; ear-vein vs. jugular-vein blood): The Gambia

Anemia, Protozoa
Howard, R. J.; and Mitchell, G. F., 1979, Austral. J. Exper. Biol. and Med. Sc., v. 57 (5), 455-457
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
Kaaya, G. P.; Winqvist, G.; and Johnson, L. W., 1977, Bull. Animal Health and Prod. Africa, v. 25 (4), 397-408
Trypanosoma congolense, goats, clinico-pathological 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, Parazitologiia, 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, Tieraerztl. Prax., v. 2 (2), 221-224
Haemobartonella felis, infectious anemia in cats, clinical aspects, diagnosis, treatment

Anemia, Protozoa
Laiblin, C., 1978, Berl. u. Munchen. Tierarztl. Wchnschr., v. 91 (3), 48-50
Theileria annulata, cattle (exper.), haematological study, toxic lesion of bone marrow caused aplastic anaemia

Anemia, Protozoa
Lundborg, L. E.; Karlbom, I.; and Christensson, D., 1978, Svensk Vet.-Tidn., v. 30 (10), 417-419
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 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

Anemia, Protozoa
Maley, G. J. M.; and Desser, S. S., 1977, Canad. J. Zool., v. 55 (2), 355-358
Leucocytozoon simondi, Pekin ducklings, quantification of anemia, gametocytemia, and osmotic fragility of erythrocytes

Anemia, Protozoa
North, D. C., 1978, J. Small Animal Practice, v. 19 (12), 769-773
Haemobartonella sp., non-splenectomized dog (blood), case report, haemolytic anaemia, post-mortem examination: Kent, Great Britain

Anemia, Protozoa
Prabhakar, K. S.; and Hiregoudar, L. S., 1979, Gujarat Agric. Univ. Research J., v. 4 (2), 57-58
Theileria hirci, carrier sheep, parasite counts and haematological observations before and after splenectomy

Anemia, Protozoa
Preston, J. M.; Wellde, B. 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
Pujman, V. F.; and Hanusova, D., 1970, J. Wildlife Dis., v. 6 (3), 163-166
erythrogram variations of normal vs. parasitized, mature vs. immature Perdix perdix and Phasianus colchicus colchicus, normalization of Syngamus trachealis-infected pheasant erythrogram 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

Anemia, Protozoa
Roberts, D. W.; and Weidanz, W. P., 1978, Infect. and Immun., v. 20 (3), 728-731
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 erythrophagocytosis with dynamics of early-onset anemia and reticulocytosis in mice

Anemia, Protozoa
Saror, D. I., 1979, Vet. Rec., v. 105 (5), 96-98
Trypanosoma vivax, zebu cattle (exper.), haematological changes, classification of anemia

Anemia, Protozoa
Sharma, S. K.; Banerjee, D. P.; and Gautam, O. P., 1978, Indian J. Animal Health, v. 17 (2), 105-110
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), 504-511
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
Swarup-Mitra, S.; Chowdhury, A. K. R.; and Sarkar, M., 1979, Indian J. Med. Research, v. 69, 571-576
Leishman[ia] donovan[i], 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. 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

Anemia, Protozoa
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

Anemia, Protozoa
Tizard, I. R.; Holmes, W. L.; and Nielsen, K., 1978, Tropenmed. u. Parasitol., v. 29 (1), 108-114
Trypanosoma congolense-derived hemolytic fatty acids, characterization, probably not important mechanism of anemia in bovine trypanosomiasis

Anemia, Protozoa
Tury, E.; Papp, L.; and Horvath, Z., 1977, Magy. Allat. Lapja, v. 99, v. 32 (4), 249-250
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
Vaughan, J. P.; et al., 1977, Trop. and Geogr. Med., v. 29 (4), 369-373
hookworm and iron deficiency anemia in adults and children, therapy with tetrachlorethylene and oral iron, poor response to therapy by children suggests that malaria was causative factor: Tanzania

Anemia, Protozoa
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

Anemia, Protozoa
Woo, P. T. K.; and Kobayashi, A., 1975, Ann. Soc. Belge Med. Trop., v. 55 (1), 37-45
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)

Anemia, Protozoa
Zylberait, D.; et al., 1979, Ann. Med. Int., Paris, v. 130 (10), 437-442
kala azar, woman, hemolytic anemia, possible abnormal sensitivity of erythrocyte membrane to complement

Anemia, Trematoda
Berry, C. I.; and Dargie, J. D., 1978, Vet. Parasitol., v. 4 (4), 327-339
Fasciola hepatica, sheep (exper.), pathophysiology: influence of dietary protein and iron on erythrokinetics

Anemia, Trematoda
Furmaga, S.; and Gundlach, J. L., 1978, Acta Parasitol. Polon., v. 25 (11-20), 179-189
Fasciola hepatica-infected calves, parasitological findings, erythrocyte counts, packed cell volume, hemoglobin, transferin, iron, eosinophils, neutrophils, lymphocytes, total leukocytes, implications for etiology of anemia

Anemia, Trematoda
Greenham, R., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (1), 72-75
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
Kawatsu, H., 1978, Bull. Japan. Soc. Scient. Fish. (Nippon Suisan Gakkaishi), v. 44 (12), 1315-1319
Diplozoon 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
Isoparorchis hypselobagri-infected Channa punctatus, morphological, behavioural, biochemical, and haematological changes, possible human health hazard: reservoir (Khookas bundh) about 20 km north of Jaipur

Anemia, Trematoda
Mahmoud, A. A. F.; and Woodruff, A. W., 1978, Clin. Sc. and Molecular Med., v. 54 (4), 397-401
Schistosoma mansoni, mice, splenomegaly, anemia, dependent not only on parasite factors but also on host immunologic response to infection

Anemia, Trematoda
Shehata, H.; et al., 1977, Egypt. J. Bilharz., v. 4 (2), 117-128
S[chistosoma] mansoni, mice with anemia and leucocytosis, bilharcid safer therapy than tartar emetic

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
Zajicek, D.; et al., 1977, Vet. Med., Praha, v. 50, v. 22 (2), 99-108
Paramphistomum sp., lambs (exper.), pathogenic effect on blood values, amino-transferases, alkaline phosphatase, minerals in blood serum

Aneurysm, Verminous
Bueno, L.; et al., 1978, Prat. Vet. Equine, v. 10 (4), 153-155
Strongylus vulgaris, horse, mesenteric aneurysm detected by ultrasound

Animal husbandry
Assoku, R. K. G., 1979, Bull. Animal Health and Prod. Africa, v. 27 (1), 29-39
blood parasites, livestock, incidence in relation to host sex and age and to husbandry and management practices: Accra Plains, Ghana

Animal husbandry
Barger, I. A.; and Southcott, W. H., 1978, Austral. J. Exper. Agric. and Animal Husb. (92), v. 18, 340-346
nematodes, sheep, 3 systems for post-weaning management, grazing alternately with cattle, twice-yearly levamisole treatment, liveweight and wool production

Animal husbandry
Bauer, B.; et al., 1978, Berl. u. Munchen. Tierarztl. Wchnschr., v. 91 (21), 413-418
endoparasite control with panacur in Criollo x Zebu x Charolais calves under extensive management conditions in the tropics

Animal husbandry
Bobkova, A. F., 1970, Nauch. Trudy, Nauchno-Issled. Vet. Inst., v. 8, 77-82
dictyocaulosis, calves, prophylactic measures (pasture rotation, maintenance in small groups, strict isolation)

Animal husbandry
Borgsteede, F. H. M.; and Kloosterman, A., 1977, Tijdschr. Diergeneesk., v. 102 (24), 1428-1436
bovine gastrointestinal helminths, infestation of cattle on pasture in relation to time of mowing, yearly cycle of larvae on grassland, epidemiology reviewed, prophylactic measures: Netherlands

Animal husbandry
Bowen, F. L., 1979, Austral. J. Exper. Agric. and Animal Husb. (98), v. 19, 269-275
nematodes, weaner cattle, treatment/management procedure involving alternate grazing with sheep and monthly treatment with cambendazole, liveweight changes, financial returns: Northern Tablelands of New South Wales

Animal husbandry
Cargill, C. F.; and Dobson, K. J., 1979, Vet. Rec., v. 104 (2), 33-36
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

Animal husbandry
Carmel, D. K.; and Todd, A. C., 1979, Vet. Med. and Small Animal Clin., v. 74 (7), 1019, 1022-1026
nematodes, dairy cows, prevalence and distribution in environment of 3 farms, role of management practices: Wisconsin

Animal husbandry
Darvill, F. M.; Arundel, J. H.; and Brown, P. B., 1978, Austral. Vet. J., v. 54 (12), 575-584
Ostertagia, Trichostrongylus, maiden ewes, effect of pre-lambing and post-lambing thiabendazole treatment on pasture contamination by ewes and on bodyweights of ewes and lambs

Animal husbandry
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

Animal husbandry
Euzeby, J., 1977, Rev. Med. Vet., Toulouse, v. 128 (12), 1589-1625
gastrointestinal helminths, cattle breeding, therapeutic and prophylactic control, nutrition and selection of resistant strains of cattle, extensive review: west Europe

Animal husbandry
Euzeby, J., 1978, Rev. Med. Vet., Toulouse, v. 129 (2), 193-198, 201-222, 226-233
gastro-intestinal helminthiasis, modern cattle breeding, control by environmental methods, review: western Europe

Animal husbandry
Gibson, T. E.; and Everett, G., 1971, J. Comp. Path., v. 81 (4), 493-498
Ostertagia and Trichostrongylus spp., lambs treated with thiabendazole and moved to clean pasture had lowest worm burden

Animal husbandry
Gibson, T. E.; and Everett, G., 1978, Research Vet. Sc., v. 24 (2), 169-173
Ostertagia circumcincta, lambs (exper.), effect of different levels of larval intake on egg output and worm burden, protection against reinfection conferred by low level of initial infection, implications for husbandry practice

Animal husbandry
Graefner, G.; Graubmann, H. D.; and Kron, A., 1978, Monatsh. Vet.-Med., v. 33 (23), 910-912
Eimeria spp., cattle on rearing and fattening farms, intensity and extensity of infection in relation to certain environmental conditions: DDR

Animal husbandry
Hall, R. D.; Turner, E. C., jr.; and Gross, W. B., 1978, Poultry Science, v. 57 (2), 564-566
Ornithonyssus sylviarum, commercial laying hens, higher populations of mites on birds caged alone, importance as survey tool in pest management programs

Animal husbandry
Harmsen, H. E., 1978, Publikatie (10), Proefsta. Rundveehouderij, 49-55
lungworms, gastro-intestinal nematodes, calves, control program

Animal husbandry
Hiepe, T.; Romeyke, D.; and Jungmann, R., 1978, Monatsh. Vet.-Med., v. 33 (23), 904-910
Eimeria spp., calves reared under conditions of industrialized cattle farming, course of infection, clinical symptoms, monthly distribution, control measures: DDR

Animal husbandry
Humphrey, J. D., 1979, Austral. Vet. J., v. 55 (4), 205-207 [Letter]
helminths of domestic fowl (alimentary tract), prevalence under 3 systems of management (intensive, semi-intensive, extensive), highland vs. lowland: Papua New Guinea

Animal husbandry
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

Animal husbandry
Johnstone, I. L.; Coote, B. G.; and Smart, K. E., 1979, Austral. J. Exper. Agric. and Animal Husb. (99), v. 19, 414-418
pre- and/or post-lambing anthelmintic treatment, effect on lamb birth weight and liveweight gain, fecal egg counts, pasture contamination: New South Wales

Animal husbandry
Karabaev, D. K.; Kuznetsov, V. I.; Dement'ev, I. S., 1978, Vestnik Sel'skokhoz. Nauki Kazakhstana (6), 62-65
helminthiasis of livestock on large specialized farms, current situation, prophylactic measures recommended: Kazakhstan

Animal husbandry
Krivanec, K.; et al., 1979, Veterinarstvi, v. 29 (6), 266-267
nematodes, swine, influence of production technology on prevalence, large scale farms

Animal husbandry
de Leon, D.; and Soldevila, M., 1978, J. Agric. Univ. Puerto Rico, v. 62 (4), 428-430
Capillaria annulata, Heterakis gallinarum, fatal infection in Numida meleagris (crop, caeca), case report, commercial producers must observe strict cleanliness and management practices: Puerto Rico

Animal husbandry
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

Animal husbandry
de Melo, H. J. H., 1977, Arq. Escola Vet. Univ. Fed. Minas Gerais, v. 29 (3), 269-277
helminths, weaned Zebu calves reared extensively on Jaragua grass, different schemes of treatment, effect of anthelmintic treatment on host growth seems to be conditioned to environmental conditions, especially nutrition

Animal husbandry
Miller, R. F., 1979, Proc. 1979 Maryland Nutrition Conf. Feed Mfr. (University of Maryland, Mar. 15-16), 87-96
parasitism, ruminants, influence on utilization of nutrients, timing of treatment, milk production, reproduction, review

Animal husbandry
Nansen, P.; et al., 1978, Vet. Sc. Commun., v. 2 (3), 193-205
trichostrongylid, grazing cattle, factors influencing fluctuations in herbage contamination, epidemiological consequences of intensification of animal husbandry methods: Denmark

Animal husbandry
Nansen, P.; Midtgaard, N., 1977, Nord. Vet.-Med., v. 29 (6), 257-262
Fasciola hepatica, sheep, high frequency in adults and strikingly low frequency in lambs results from marshland management system; summer grazing on dike and its seaward side where snail vectors are not found prevents lamb infection; massive infection of adults also prevented: South-western Jutland

Animal husbandry
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

Animal husbandry
Norman, L. M.; and Hohenboken, W., 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

Animal husbandry
Peron, E.; and Mauri, M., 1977, Rev. Cubana Cien. Vet., v. 8 (2), 13-21
Dictyocaulus viviparus, calves, extent of invasion, results correlated with climatic conditions regardless of management-rotation changes; lower incidence in older animals: Cuba

Animal husbandry
Pouplard, L.; and Pecheur, M., 1977, Hohenheimer Arbeit., Reihe Tier Prod. (87), 64 pp.
helminthiasis, cattle, epizootiology, therapeutic and husbandry control methods, monographic review

Animal husbandry
Raynaud, J. P., 1978, Point Vet. (35), v. 7, 49-63
nematodes, calves, seasonal prevalence, relationship with husbandry methods: 4 regions of France

Animal husbandry
Sinha, R. P.; and Dubey, R. K., 1978, Indian Vet. J., v. 55 (5), 372-376
Anaplasma marginale outbreak in non-preimmune 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

Animal husbandry
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

Animal husbandry
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

Animal husbandry
Supperer, R., 1973, Tieraerztl. Prax., v. 1 (1), 33-42
parasitic diseases of swine, intensive rearing, treatment and control measures, review

Animal husbandry
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

Animal husbandry
Taylor, S. M.; Kilpatrick, D.; and Kenny, J., 1978, Zentralbl. Vet.-Med., Reihe B, v. 25 (4), 282-289
Trichinella spiralis, pigs, evaluation of enzyme linked immuno-sorbent assay, influence of husbandry and age of host on extinction values

Animal husbandry
Thomas, R. J., 1978, Vet. Rec., v. 102 (18), 394-397
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Animal husbandry
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Antigenic variation. <u>See</u> Immunity, Antigenic variation.

Antigens. <u>See</u> Immunity, Antigens.

Appendicitis. <u>See</u> Appendix.

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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

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Trypanosoma congolense, rats, rabbits, localization of parasite in microvasculature is established by attachment of the organism to the vessel wall

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Attachment
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Attractants
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endoparasites of sheep in Austria (Trichostrongylus capricola; Trichostrongylus longispicularis; Nematodirus helvetianus; Cooperia oncophora; Ostertagia leptospicularis; Marshallagia marshalli; Ostertagia pinnata; O. occidentalis; Capillaria bovis; Ostertagia circumcincta; Trichostrongylus axei; Nematodirus spathiger; Trichuris ovis; Nematodirus filicollis; Ostertagia trifurcata; Trichostrongylus vitrinus; T. colubriformis; Trichuris skrjabini; Bunostomum trigonocephalum; Chabertia ovina; Strongyloides papillosus; Haemonchus contortus; Eimeria ovina; E. faurei; E. nina-kohl-yakimovae; E. parva; E. intricata; E. ahsata; Ostertagia ostertagi; Spiculopteragia boehmi; Oesophagostomum venulosum; Skrjabinema ovis; Dictyocaulus filaria; Protostrongylus rufescens; Muellerius capillaris; Cystocaulus ocreatus; Neostrongylus linearis; Moniezia expansa; M. benedeni; M. denticulata; Dicrocoelium dendriticum)

Austria
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gastrointestinal helminths, cattle, comparison with parasite fauna of other domestic and wild ruminants: Austria (Ostertagia ostertagi; O. leptospicularis; Skrjabinagia lyrata; S. kolchida; Spiculopteragia boehmi; Rinadia mathevossiani; 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)

Autoimmunity. See Immunity, Autoimmunity.

Autoinfection. See Disease transmission, Autoinfection.

Autoradiography. [See also Radiation; Radioisotopes]

Autoradiography
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Schistosoma mansoni, radioisotope labeling for differentiating between strains in individual Biomphalaria glabrata snails

Autoradiography
Reynolds, G. T., 1968, Rev. Scient. Instrum., v. 39 (3), 298-302
Schistosoma mansoni, scintillomicroscope for radioactive tracer detection compared with conventional autoradiographic techniques, application of scintillomicroscope to ^{14}C detection in parasites

Autoradiography
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Onchocerca volvulus, rabbits, possible diagnosis and treatment of onchocercoma using I^{131}-labelled antibodies

Axenic culture. See Culture.

Azerbaidzhan. See Russian, Azerbaidzhan SSR.

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
Bagadi, H. O.; and Sewell, M. M. H., 1973, Research Vet. Sc., v. 15 (1), 49-53
Fasciola hepatica and Clostridium novyi (oedematiens) type B causing infectious necrotic hepatitis, sheep, epidemiological survey: southern Scotland

Bacteria
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experimental reproduction of necrotic enteritis in chicks with mixed infections of Clostridium perfringens and coccidia

Bacteria
Blancou, J.; Vassiliades, G.; and Mattei, X., 1978, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 31 (1), 27-31
Thelazia rhodesi, isolation of numerous bacteria in digestive tract

Bacteria
Bogush, A. A.; and Urbanovich, N. A., 1977, Vet. Nauka--Proizvod., Trudy, Minsk, v. 15, 117-121
[Sarcocystis], increased prevalence of bacteria in meat and organs of infected swine and cattle, public health implications

Bacteria
Bustillo, A. E., 1976, Rev. Colomb. Entom., v. 2 (4), 139-144
Neoaplectana carpocapsae, 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

Bacteria
Chang, G. N., 1977, J. Chinese Soc. Vet. Sc., v. 3 (2), 27-30
Ascaris lumbricoides, embryonated eggs, isolation of Escherichia coli

Bacteria
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Entamoeba histolytica, axenically grown parasites, revival of pathogenicity for the rat, prolonged amoeba-bacteria association is required, simple addition of fresh bacteria to amoeba inoculum is not enough

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

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

Bacteria
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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

Bacteria
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Eimeria tenella, gnotobiotic chickens, monensin suppressed bacterial numbers in absence of Eimeria, prevented increase in bacterial numbers in presence of Eimeria

Bacteria
Dyner, E., 1978, Acta Parasitol. Polon., v. 25 (11-20), 97-108
Trichomonas vaginalis, Bodo urinarius, growth in presence of various bacteria and fungi, possible implications

Bacteria
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S[chistosoma] mansoni, humans, pathology, presence of bacteria, possible role in pathogenesis of parasitic infection

Bacteria
Esch, G.; et al., 1976, Tr. Am. Micr. Soc., v. 95 (4), Finley Mem. Issue, pt. 2, 687-693
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

Bacteria
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

Bacteria
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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

Bacteria
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

Bacteria
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Sch[istosoma] 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

Bacteria
Fuxa, J. R., 1979, J. Invert. Path., v. 33 (3), 316-323
Vairimorpha necatrix, interactions with bacterium, virus, and fungus in Heliothis zea (exper.)

Bacteria
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Nuttallia musculi, trophozoites, merozoites, fine structure; bacteria-like bodies often found in cytoplasm

Bacteria
Lantier, F.; et al., 1979, Compt. Rend. Acad. Sc., Paris, v. 289, s. D, Sc. Nat. (10), 757-760
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)

Bacteria
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Bacteria
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Schistosoma haematobium, human, prevalence of bacteriuria: Egypt

Bacteria
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Ascaris suum, entry of 4 species of bacteria into parasite egg before shell formation

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

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

Bacteria
Mobedi, I.; Vand-Yoossefi, J.; and Esterabadi, A. H., 1978, Arch. Inst. Razi (30), 117-128
Actinomyces bovis as possible cause for degeneration and calcification of Cysticercus bovis and hydatid cyst in host tissue

Bacteria
Nemanic, P. C.; et al., 1979, J. Infect. Dis., v. 140 (2), 222-228
Giardia muris, occurrence of endosymbiotic microbes; G. muris, G. lamblia, organelle distribution

Bacteria
Nielsen, K.; et al., 1978, Experientia, 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

Bacteria
Norman, J. O.; and Younger, R. L., 1979, J. Med. Entom., v. 16 (1), 43-47
Hypoderma larvae from cattle treated with juvenile hormone analogues, microbial flora, relationships with inflammatory reactions in dorsal subcutis of cattle

Bacteria
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Fasciola hepatica, cattle (biliary canal), isolation of 3 mycobacteria strains: Cluj abattoir, Rumania

Bacteria
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Trichuris muris, changes in the bacterial cecal flora of infected mice, most significantly reduced bacterial counts were observed during the period of parasite self-cure

Bacteria
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Vairimorpha necatrix [n. comb.] in Spodoptera exempta, pathogenicity (occurrence of bacteriosis and cytoplasmic polyhedrosis virus), life cycle (disporoblastic life cycle at 25°C and both disporoblastic and octosporoblastic life cycle at 20°C), implications of polymorphism in relation to classification of Microsporida

Bacteria
Podboronov, V. M.; and Grokhovskaia, I. M., 1978, Veterinariia, Moskva (7), 46-48
Ornithodoros papillipes, bacterial infections, bacteria destroyed by protective action of bactericidal substance causing lysis

Bacteria
Poinar, G. O., jr., 1978, Nematologica, v. 24 (1), 105-114
Neoaplectana 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; rediscovery of xenic population indicates that nematode species is native to North America not introduced with Japanese beetle; possible use for pest control renewed

Bacteria
Przyjalkowski, Z., 1970, Acta Parasitol. Polon., v. 18 (1-12), 115-120
Trichinella spiralis, inhibition of development in mouse intestine of larvae previously exposed in vitro to monocultures of intestinal bacteria

Bacteria
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Aspiculuris tetraptera, development and establishment in gnotobiotic mice contaminated with Escherichia coli vs. conventional mice (both exper.)

Bacteria
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

Bacteria
Przyjalkowski, Z., 1978, Acta Parasitol. Polon., v. 25 (11-20), 169-178
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 leukocyte counts (higher eosinophilia in germfree mice), concluded that intestinal microflora plays important role in establishment and elimination of intestinal trichinellae

Bacteria
Przyjałkowski, Z., 1978, Acta Parasitol. Polon., v. 25 (21-35), 287-292
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

Bacteria
Przyjalkowski, Z., 1978, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 26 (5), 331-336
Trichinella pseudospiralis, conventional and germfree mice, effect of intestinal flora on course of infection and haemotological changes

Bacteria
Przyjalkowski, Z.; and Gorecka, T., 1976, Acta Parasitol. Polon., v. 24 (1-10), 57-67
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

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

Bacteria
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Trichinella spiralis-infected germfree vs. conventional mice, some metabolites and enzymes of carbohydrate metabolism in liver and small intestine

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

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

Bacteria
Pugh, R. N. H.; and Gilles, H. M., 1979, Ann. Trop. Med. and Parasitol., v. 73 (4), 349-354
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
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Entamoeba histolytica, axenically grown, factors in bacterial lipids supporting parasite growth

Bacteria
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Schistosoma mansoni, growth of Salmonella typhi in parasitized mice

Bacteria
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S[chistosoma] mansoni-infected and uninfected mice injected with S[almonella] typhimurium, phagocytic function of reticulo-endothelial cells compared

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, 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

Behavior, Host
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Behavior, Host
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malaria, humans, settlement growth and recreation aspects of lifestyles in colonial and antebellum South Carolina as indications of cultural adjustments to health hazard

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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

Behavior, Host
Macdonald, S.; and Jones, A., 1978, J. Helminth., v. 52 (1), 23-28
Diplozoon homoion 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

Behavior, Host
Molyneux D. H.; Lavin, D. R.; and Elce, B. A., 1979, Ann. Trop. Med. and Parasitol., v. 73 (3), 287-290
Trypanosoma congolense-infected Glossina morsitans, study by stereoscan electron micrographs suggests close association between salivarian trypanosomes and host mechano-receptors, possible higher probing rate in infected flies

Behavior, Host
Nathan, M. B., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 338-340
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

Behavior, Host
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

Behavior, Host
Okiwelu, S. N., 1979, Ann. Trop. Med. and Parasitol., v. 73 (1), 73-77
observations on Glossina m. mortisans at a tsetse disinfection picket during rainy season (age composition, trypanosome infection rate, pregnancy rate, sex ratio, and settling behavior): Republic of Zambia

Behavior, Host
Palmieri, J. R.; and James, H. A., 1976, Great Basin Nat., v. 36 (1), 97-100
Apatemon gracilis in Helobdella stagnalis, Placobdella parasitica, and Erpobdella punctata, effects of leech behavior on cercarial penetration and localization

Behavior, Host
Phillips, W. J.; and Cannon, L. R. G., 1978, J. Fish Dis., v. 1 (2), 137-149
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

Behavior, Host
Rondelaud, D., 1978, Ann. Parasitol., v. 53 (1), 63-74
Fasciola hepatica-infected or non-infected Lymnaea truncatula, disturbance of daily rhythm of behavior in presence of predators

Behavior, Host
Roundy, R. W., 1978, Social Sc. and Med., v. 12 (2D), 121-130
model for combining human behavior and disease ecology to assess disease hazard in a community: rural Ethiopia

Behavior, Host
Schofield, C. J., 1979, Bull. Entom. Research, v. 69 (3), 363-379
Triatominae, behavior, review

Behavior, Host
Sogandares-Bernal, F.; Hietala, H. J.; and Gunst, R. F., 1979, J. Parasitol., v. 65 (4), 616-623
Ornithodiplostomum ptychocheilus infection not found to affect stamina of Richardsonius balteatus, evolutionary implications; multivariate contingency table analysis of data

Behavior, Host
Sosnina, E. F.; and Davydov, G. S., 1975, Parazitologiia, Leningrad, v. 9 (2), 183-189
Neohaematopinus palaearctus 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

Behavior, Host
Thomas, J. D., 1977, Publicaciones Espec. (4), Inst. Biol., Univ. Nac. Autonom. Mexico, 531-542
sociobiology of Biomphalaria glabrata (behavior, growth, survival, and natality rates)

Behavior, Host
Thomas, J. D.; and Assefa, B., 1979, Comp. Biochem. and Physiol., v. 63C (1), 99-108
Biomphalaria glabrata juveniles, behavioral responses to amino acids, possible practical application in control of snail hosts of schistosomiasis

Behavior, Host
Whitlock, J. H., 1978, Cornell Vet., v. 68 (2), 250-251
trichostrongyloids, construction of a permanent campground for sheep in attempt to control parasites based on knowledge of sheep behavior

Behavior, Parasite
Anderson, J. R., 1974, J. Med. Entom., v. 11 (1), 7-19
arthropods of medical and veterinary importance, mate seeking and mating sites, review

Behavior, Parasite
Beer, S. A., 1977, Zool. Zhurnal, v. 56 (10), 1561-1563
Opisthorchis felineus cercariae, movement in water

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

Behavior, Parasite
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Ceratophyllus niger, Opisodasys pseudarctomys, 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)

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

Behavior, Parasite
Camin, J. H.; and Drenner, R. W., 1978, J. Parasitol., v. 64 (5), 905-909
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

Behavior, Parasite
Casto, S. D., 1974, J. Med. Entom., v. 11 (1), 113-114
Syringophiloidus minor, laboratory evidence of nocturnal dispersal rhythm

Behavior, Parasite
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

Behavior, Parasite
Croll, N. A.; and Ma, K., 1978, Internat. J. Parasitol., v. 8 (4), 289-295
Nippostrongylus brasiliensis, factors which determine emergence from pulmonary circulation into alveoli and bronchioles of rat's lung, includes some brief observations on Ancylostoma tubaeforme

Behavior, Parasite
Crum, G. E.; Knapp, F. W.; and White, G. M., 1974, J. Med. Entom., v. 11 (1), 88-94
Ctenocephalides felis and Xenopsylla cheopis, response to electromagnetic radiation of 300-700 nm (intensity, light versus dark, light comparison, and color vision tests), C. felis is photopositive, X. cheopis is photonegative

Behavior, Parasite
Crystal, M. M.; and Guillot, F. S., 1978, Ann. Entom. Soc. Am., v. 71 (2), 243-246
Cochliomyia hominivorax, field-collected and laboratory reared females, correlation of changes in flight behavior of aging female with changes in ovarian development

Behavior, Parasite
Garben, A. F. M.; van Bronswijk, J. E. M. H.; and van Ebbenhorst Tengbergen, T., 1978, Netherlands J. Zool., v. 28 (2), 193-205
Neotrombicula autumnalis, behaviour of unfed and feeding larvae (stability, movements, and sensory physiology of mite clusters; host finding and feeding), localization on host: the Netherlands

Behavior, Parasite
Gilbert, B.; Pellegrino, J.; and dos Santos Filho, D., 1971, Rev. Brasil. Pesqui. Med. e Biol., v. 4 (4-5), 315-316
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

Behavior, Parasite
Hafez, M.; Hilali, M.; and Fouda, M., 1979, Ztschr. Ang. Entom., v. 87 (3), 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

Behavior, Parasite
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

Behavior, Parasite
Hopkins, C. A.; and Allen, L. M., 1979, Parasitology, v. 79 (3), 401-409
Hymenolepis diminuta in rats, effect of removing strobila on position of scolex in host intestine, effect on worm growth of operating on host

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Neoaplectana 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
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Mesomermis paradisus in blackflies, biological control

Biological control
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Mermithidae [sp.] parasitizing Simulium tobetsuense and S. aokii: Pankechin River, Otofuke, Hokkaido, Japan

Biological control
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Neoaplectana carpocapsae in Hylobius abietis (exper.) (haemocoele), pathogenicity, possible use in biological control

Biological control
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Neoaplectana 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
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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
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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

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

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Biological control
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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

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use of predatory Zonitidae molluscs to control vector Lymnaea truncatula: Haute-Vienne, France

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Biological control
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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

Biological control
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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 oligochete), ecological model: Lake Wabamun, Alberta

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Neoaplectana carpocapsae dauerlarvae, attraction to various insect larvae appears to be chemical in nature, response to larvae of Galleria mellonella is a function of distance

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screwworm, biological control, collection of symposium papers

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

Biological control
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Neoaplectana carpocapsae, defensive reactions of Galleria mellonella caterpillars to effect of nematodes and herbicides, or to both factors jointly

Biological control
Seryczynska, H., 1978, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 26 (2), 99-101
Neoaplectana carpocapsae, Colorado beetle (Leptinotarsa decemlineata), combined use of tribunil with nematode infection, pathological changes

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

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Biological control
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Nosema carpocapsae, importance in regulating populations of Laspeyresia pomonella: Moldavia; Ukraine; Belorussia; RSFSR

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

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Biological control
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Neoaplectana carpocapsae agriotos, mass rearing techniques

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

Biological control
Willomitzer, J.; and Rozkosny, R., 1977, Acta Vet. Brno, v. 46 (3-4), 315-322
Stagnicola palustris, Lymnaea tomentosa, laboratory rearing of Dictya umbrarum for control of intermediate host snails

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

Biological control
Wilson, G. G., 1978, Canad. J. Zool., v. 56 (4), 578-580
feeding of Pleistophora schubergi to Choristoneura fumiferana 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
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Nosema fumiferanae, Pleistophora schubergi, incidence of infection in spruce budworm (Choristoneura fumiferana) 1 and 2 years after application of microsporidian spores to trees: Ontario

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Nosema fumiferanae, Pleistophora schubergi, control of Choristoneura fumiferana by spraying spruce and balsam fir trees with spores: Ontario

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Winner, R. A.; Steelman, C. D.; and Schilling, P. E., 1978, Mosquito News, v. 38 (4), 546-553
Romanomermis culicivorax, effects of selected insecticides on preparasitic, parasitic, 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
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Diximermis peterseni, laboratory reared, successfully established in field populations of Anopheles, continuous introduction of nematode not required to maintain infections, seasonal variation of parasite activity: southwest Louisiana

Biological tags. See Tagging.

Biometrics. See Technique, Statistical methods.

Bionomics. See Ecology.

Black Sea. See Seas, Black Sea.

Bladder. See Urine and urinary tract.

Blindness. See Eye.

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

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Blood
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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
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echinococcosis, sheep, hematological changes, relationship to stage of parasite development, number of reinfections, and duration of infection

Blood
Anosa, V. O., 1977, Trop. Animal Health and Prod., v. 9 (1), 11-17
Haemonchus contortus outbreak, Nigerian dwarf ewes and lambs, haematological observations before and after treatment with thiabendazole: Nigeria

Blood
Anosa, V. O., 1978, Vet. Parasitol., v. 4 (2), 103-109
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

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

Blood
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malaria, humans and monkeys (exper.), bleeding diathesis

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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

Blood
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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

Blood
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tick-infested bulls, hemoglobin, bilirubin, and transaminase values

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

Blood
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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

Blood
Bansal, S. R.; and Pathak, R. C., 1974, U. P. Vet. J., v. 2 (4), 141-144
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 (3), 407-414
Eimeria stiedae in Oryctolagus cuniculus, pathological effects produced by graded infections: body weight, oocyst output, serum glutamic pyruvic and serum oxalacetic transaminases, bilirubinemia, lipemia, glycemia, proteinemia, mortality, carcass and liver weights

Blood
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S[chistosoma] mansoni, human, determination of elastase in blood platelets and the role of elastase in granuloma formation in lungs

Blood
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haemogregarine-infected erythrocytes of Lacerta armeniaca and L. saxicola nairensis, changes in hemoglobin and total protein content

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

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

Blood
Bezubik, B.; Wedrychowicz, H.; and Sinski, E., 1977, Acta Parasitol. Polon., v. 25 (1-10), 79-90
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
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Ancylostoma caninum, mice (exper.), single and repeated exposures, serum protein patterns

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Blood
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intestinal parasites, children from Vietnam-Cambodia at and after arrival in Denmark, α_1-acid glycoprotein, α_1-antitrypsin, and ceruloplasmin concentrations, eosinophilia, sedimentation rates, effect of T.A.B.-cholera vaccination

Blood
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incidence of multiple feeding by Anopheles gambiae; strong correlation between ahaptoglobinaemia and malaria infections in villagers: Barmawa, Garki District, Kano State, Nigeria

Blood
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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
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

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

Blood
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Ascaridia galli, chickens (exper.), hematologic observations

Blood
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Schistosoma mansoni, patients with hepato-intestinal, compensated hepatosplenic, and decompensated hepatosplenic forms, plasma free cholesterol and cholesterol ester concentrations

Blood
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[Schistosoma] mansoni, human, hepatosplenic, effect of splenectomy on plasma phosphatidylcholine-cholesterol acyltransferase activity and on blood lipids

Blood
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helminths and blood groups

Blood
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Trypanosoma brucei-infected rabbits, quantitation of acute phase serum protein Cx-reactive, effect of anti-inflammatory drug treatment

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
Cornille-Brøgger, 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

Blood
Coudert, P.; Vaissaire, J.; and Licois, D., 1978, Rec. Med. Vet., v. 154 (5), 437-440
E[imeria] pellerdyi, E[imeria] intestinalis, young rabbits, hematological changes

Blood
Crompton, D. W. T.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (2), 195-197
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.; Kuncheva, 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 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

Blood
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

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
Enigk, K.; and Dey-Hazra, A., 1978, Zentralbl. Vet.-Med., Reihe B, v. 25 (8), 613-622
roundworms, pigs (exper.), dissacharidase activity of gut mucosa, electrolyte content of plasma and various organs

Blood
Esuruoso, G. O., 1977, Bull. Animal Health and Prod. Africa, v. 25 (3), 233-244
Trypanosoma vivax, Zebu vs. Muturu cattle (exper.), differences in innate resistance, comparison of haematological, clinical, and serological responses

Blood
Fabia, 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
Facer, C. A.; and Brown, J., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (5), 599-600 [Letter]
P[lasmodium] falciparum, no significant difference in frequency of ABO antigens between children with malaria and controls, confirms previous investigations: The Gambia

Blood
Fain, A.; Vandepitte, J.; and Wery, M., 1974, Ann. Soc. Belge Med. Trop., v. 54 (2), 121-127
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
Fayer, R.; and Lynch, G. P., 1979, Parasitology, v. 79 (3), 325-336
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., 1979, Vet. Path., v. 16 (2), 229-242
Trypanosoma congolense, calves, kinetics of blood coagulation

Blood
Friedman, M. J., 1979, Nature, London (5719), v. 280, 245-247
Plasmodium falciparum, α- and β-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. Parasitol., 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
Furmaga, S.; and Gundlach, J. L., 1978, Acta Parasitol. Polon., v. 25 (11-20), 179-189
Fasciola hepatica-infected calves, parasitological findings, erythrocyte counts, packed cell volume, hemoglobin, transferin, iron, eosinophils, neutrophils, lymphocytes, total leukocytes, implications for etiology of anemia

Blood
Furmaga, S.; Gundlach, J. L.; and Sobieszewski, K., 1974, Acta Parasitol. Polon., v. 22 (12-21), 229-247
Fasciola hepatica-infected and uninfected sheep treated and not treated with 3 fasciolicides (fasciolin, distolon, and zanil), blood serum levels of Ca, P, Na, K, and Mg

Blood
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

Blood
Galhotra, 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
Gillett, M. P. T.; and Carvalho, V. C., 1978, Exper. Parasitol., v. 44 (2), 173-180
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Blood
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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)

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

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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
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Babesia bovis-infected splenectomized and intact calves, changes in fibrinogen, plasminogen, and IgG_2 in saline eluates from sucrose-washed erythrocytes and in plasma, relationship to coagulation, fibrinolysis, and blood agglutination

Blood
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Babesia bovis (argentina)-infected calves, cryofibrinogen complex in plasma, characterization, contribution to pathophysiology

Blood
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Babesia bigemina, acute cattle infection, plasma contains fibrin in monomer and high molecular weight forms, fibrin(ogen) 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

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

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

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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

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

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

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

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

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

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

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

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

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Blood
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Blood
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ostertagiasis, calves, serum levels of immunoglobulins, albumin, total protein, and pepsinogen

Blood
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rapid and simple method for isolation of pure eosinophilic leukocytes from horse blood

Blood
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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
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Trypanosoma congolense, goats, clinico-pathological aspects with particular reference to pathogenesis of anemia, changes in peripheral blood and in bone marrow described in detail

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

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strongylosis, ruminants, diagnosis, blood pepsinogen levels

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

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Eimeria tenella-infected chickens, intensity of C^{14}-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
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Toxocara canis larvae, mice (exper.), transitional changes of blood picture

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Blood
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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
Kulmamatov, E. N.; and Azimov, D. A., 1978, Dokl. Akad. Nauk UzSSR (8), 66-67
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

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diagnostic accuracy of beta thalassemia trait based on haemoglobin-A2 levels in an individual or population not altered by the presence of malarial infections

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

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Plasmodium berghei-infected rats, serum urea and electrolyte levels

Blood
Langer, B.; et al., 1979, AMB, Rev. Ass. Med. Brasil., v. 22 (12), 449-453
[Schistosoma] mansoni, human hepato-splenic form, absorption of fibrinogen does not differ from that of normal persons

Blood
Laser, H.; and Klein, R., 1979, Nature, London (5723), v. 280, 613-614 [Letter]
Plasmodium falciparum, protection given by haemoglobin S in heterozygotes for sickle cell gene, rebuttal to hypothesis of Pasvol, G.; Weatherall, D. J.; and Wilson, R. J. M., 1978. Nature, London (5672), v. 274, 701-703

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Ascaridia galli-immunized chickens with vitamin A deficiency, lipoprotein and glycoprotein fractions of serum

Blood
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Plasmodium vivax, high susceptibility of Duffy blood group-negative Aotus trivirgatus griseimembra

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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

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Blood
McQuistion, T. E.; and Schurr, K. M., 1978, J. Protozool., v. 25 (3, pt. 2), 374-377
Eimeria nieschulzi, rats, effect of infection on leukocyte levels

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

Blood
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Plasmodium falciparum, infected Nigerian children, survey of blood group antigens, no significant difference from healthy children

Blood
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[Melophagus], sheep, blood changes (anemia, neutrophilia, lymphocytopenia)

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human acute falciparum malaria, changes in serum protein patterns studied using polyacrylamide gel electrophoresis, other blood biochemical parameters

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

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Trichinella spiralis, rats (exper.), pathological changes in blood calcium and parathyroid activity

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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
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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

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Strongyloides westeri, ponies (exper.), foals and yearlings, comparisons of prepatent periods, haemoglobin values, and betaglobulin levels

Blood
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Anaplasma marginale, case report, two crossbred cows (blood), clinical signs, hematological picture, pathology: Philippines

Blood
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Neoascaris vitulorum, guinea pigs (exper.), biochemical picture of blood

Blood
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Sarcocystis ovicanis, deleterious effect on growth rate and haematocrit in lambs, presence of antibodies (presumably colostral) against Sarcocystis did not appear to provide

Blood
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gastro-intestinal parasites, sheep, influence of diet and parasitism on some blood components

Blood
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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

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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
Nunesmaia, H. G.; et al., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (3), 160-163
Schistosoma mansoni, hepatic form, survey of racial admixture and ahaptoglobinemia, Negroes have higher resistance to development of severe infection than do other racial groups: Brazil

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acute and chronic nematodiasis, sheep, changes in blood values: northern Guinea savanna of Nigeria

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nematodes, calves (Holstein x Zebu, exper.), electrophoresis of serum protein (total and fraction) changes

Blood
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Trypanosoma brucei-infected immunized and non-immunized rabbits maintained on diets with different levels of copper, growth and carcass performance, blood constituents

Blood
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Blood
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tick-infested N'dama cattle, plasma phospholipid changes

Blood
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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
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Blood
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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
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Plasmodium falciparum, protection given by haemoglobin S in heterozygotes for sickle cell gene, answer to rebuttal of Laser, H.; and Klein, R., 1979, Nature, London (5723), v. 280, 613-614

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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

Blood
Pereira, F. E. L.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (2), 238
Schistosoma mansoni, humans with Symmer's fibrosis, significantly higher frequency of blood group A than blood group O: Brazil

Blood
Poelvoorde, J.; and Berghen, P., 1978, Vlaams Diergeneesk. Tijdschr., v. 47 (5), 373-387
Oesophagostomum dentatum, pigs (exper.) on low-protein diet, blood changes, weight differences

Blood
Poelvoorde, J.; and Berghen, P., 1979, Vlaams Diergeneesk. Tijdschr., v. 48 (3), 217-223
Oesophagostomum dentatum, pigs (exper.), blood plasma mineral and enzyme levels

Blood
Poelvoorde, J.; and Berghen, P., 1979, Vlaams Diergeneesk. Tijdschr., v. 48 (4), 283-289
Oesophagostomum dentatum, pigs (exper.), hematological and serological changes after single infection

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
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Theileria hirci, carrier sheep, parasite counts and haematological observations before and after splenectomy

Blood
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Haemonchus contortus, sheep, influence of haemoglobin phenotype on susceptibility to infection: Kenya

Blood
Przyjalkowski, Z., 1978, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 26 (5), 331-336
Trichinella pseudospiralis, conventional and germfree mice, effect of intestinal flora on course of infection and haematological changes

Blood
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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
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Ascaris suum, pigs, blood changes: hyperneutrophilemia, lymphophenia, 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
Rama, S. P.; et al., 1978, Indian Vet. Med. J., v. 2 (4), 197-199
Eimeria parva, E. ninakohlyakimovae, sheep (exper.), blood values 11th day post-infection

Blood
Ramadan, P.; and Bauer, M., 1978, Vet. Arhiv, Zagreb, v. 48 (5), 251-256
Piroplasma canis, dogs, clinical pathology, particular reference to haemogram

Blood
Ranucci, S.; and Grol-Ranucci, H., 1978, Clin. Vet., Milano, v. 101 (6), 324-333
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
Raviprakash, V.; Tewari, H. C.; and Sabir, M., 1978, Indian Vet. J., v. 55 (1), 54-55
Dictyocaulus filaria, sheep (exper.), serum 5-hydroxytryptamine level remains nearly the same throughout different stages of infection

Blood
Ricciardi, I. D.; et al., 1978, Rev. Microbiol., Sao Paulo, v. 9 (4), 181-187
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

Blood
Romaniuk, K., 1974, Acta Parasitol. Polon., v. 22 (1-11), 29-48
Hypoderma bovis, pathogenesis in cattle, content of sialic acid, properdin, and proteins in blood serum during course of complete cycle of infestation

Blood
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Cymothoidae of teleost fish, hematophagy, host immune response, biochemical, histological, haematological, and biometrical (growth) changes in infected hosts

Blood
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Anilocra physodes, Meinertia oestroides, 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), 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

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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

Blood
Roth, R. L.; and Herman, R., 1979, Exper. Parasitol., v. 47 (2), 169-179
Plasmodium berghei, correlation of in vitro erythrophagocytosis with dynamics of early-onset anemia and reticulocytosis in mice

Blood
Rowlands, D. ap T.; and Clampitt, R. B., 1979, Vet. Parasitol., v. 5 (2-3), 155-175
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 diamphenethide against immature flukes

Blood
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Eimeria spp. in broilers, severe infection increased prothrombin times compared with uninfected birds

Blood
Saad, F. E.; et al., 1974, J. Egypt. Vet. Med. Ass., v. 34 (1-2), 81-84
Eimeria tenella, chicks (exper.), blood changes during course of infection

Blood
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intestinal parasites, dogs, prevalence, distribution by age group, blood picture: Zaria, Nigeria

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trypanosomiasis, Leishmania donovani, and other uncommon blood disorders, dogs, case reports

Blood
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Trichinella spiralis, mice, guinea pigs, serum creatine-phosphokinase activity not useful for diagnosis

Blood
Sharma, S. K.; Banerjee, D. P.; and Gautam, O. P., 1978, Indian J. Animal Health, v. 17 (2), 105-110
Anaplasma marginale in Bubalus bubalis (exper.), clinical course, haematological changes, effect of immunosuppressants

Blood
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Haemonchus contortus, sheep (exper.), influence of diet and parasites on copper, iron, and zinc in blood serum

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Anaplasma, cattle and sheep (both exper.), blood changes before and after treatment with terramycin injectable solution

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Setaria cervi, Onchocerca armillata, buffaloes, clinical, hematological, and blood biochemical studies, efficacy of anthiomaline

Blood
Sinski, E., 1975, Acta Parasitol. Polon., v. 23 (26-40), 425-439
Ostertagia circumcincta, sheep, parasitological, clinical, and hematological changes after multiple infections especially in relation to inhibition of larval development

Blood
Spencer, H. C.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (4), 664-670
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

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
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Viviparus contectus males infected with Neoacanthoparyphium echinatoides metacercariae and females infected with Cercaria adiposa, changes in blood proteins, agar gel electrophoresis

Blood
Stewart, G. L., 1976, Rice Univ. Studies, v. 62 (4), 211-224
Trichinella spiralis, mice, biochemical pathology: changes in liver and muscle glycogen 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
Stoianov, P.; et al., 1978, Vet. Med. Nauki, v. 15 (8), 105-114
E[imeria] tenella, broiler chickens, varied temperature and moisture regimes, blood biochemistry, host resistance, efficacy of pancoxin plus

Blood
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falciparum and vivax malarias, blood coagulation studies compared, brief note

Blood
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Eperythrozoon ovis, effect of infection on reductive potential of sheep erythrocytes

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

Blood
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Trichostrongylus vitrinus, sheep (exper.), chronic infection, food intake and body weight gains, food digestibility, body composition, bone chemistry and histology, serum constituents

Blood
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trypanosome-infected fishes, lowered serum cholesterol levels, possible causes

Blood
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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
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Trypanosoma brucei, characterization of second class of hemolysins as free fatty acids

Blood
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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. M.; and Lumsden, J. H., 1979, Vet. Path., v. 16 (1), 96-107
Trypanosoma congolense, calves (exper.), pathogenesis, neutropenia, myeloid response

Blood
Veerannan, K. M., 1978, Current Sc., Bangalore, v. 47 (8), 272-273 [Letter]
Ascaris lumbricoides, unfertilized ova and fragments, man (peripheral blood, feces)

Blood
Verma, B. B.; and Gautam, O. P., 1978, Indian Vet. J., v. 55 (8), 648-653
Trypanosoma evansi, buffalo and cow calves (both exper.), clinical findings, parasitaemia, hematological changes

Blood
Vreeken, J.; and Cremer-Goote, T. M., 1978, Brit. Med. J. (6136), v. 2, 533-535
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
Wellde, 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
Wilson, A. J.; and Trueman, K. F., 1978, Austral. Vet. J., v. 54 (3), 121-124
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

Blood
Wilson, G. R.; and Wilson, L. P., 1978, Research Vet. Sc., v. 25 (3), 331-336
Trichostrongylus tenuis, captive Lagopus l. scoticus, hematology, weight, and condition

Blood
Witlock, D. R.; and Wyatt, R. D., 1978, Avian Dis., v. 22 (3), 481-486
Eimeria tenella, dietary aflatoxin, and combination of both, broiler chicks, prolongation of prothrombin time

Blood
Wittwer, F.; et al., 1979, Zentralbl. Vet.-Med., Reihe B, v. 26 (5), 424-426
Dipetalonema sp., dogs, haematological values

Blood
Wright, I. G., 1978, Vet. Parasitol., v. 4 (4), 393-398
Babesia bovis-infected Bos taurus, biogenic amine levels in plasma and whole blood, probable role in cardiovascular disturbances

Blood
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

Blood
Wright, I. G.; and Goodger, B. V., 1977, Ztschr. Parasitenk., v. 53 (1), 63-73
Babesia bigemina, calves, plasma studies for changes in coagulation system and kallikrein levels; comparisons with B. argentina bovine infections discussed

Blood
Zajicek, D.; et al., 1977, Vet. Med., Praha, v. 50, v. 22 (2), 99-108
Paramphistomum sp., lambs (exper.), pathogenic effect on blood values, amino-transferases, alkaline phosphatase, minerals in blood serum

Blood
Zajicek, D.; Marova, M.; and Zahradnikova, W., 1978, Vet. Med., Praha, v. 51, v. 23 (1), 29-37
Haemonchus contortus, Trichostrongylus colubriformis, sheep (exper.), efficacy of mebendazole, hematological indices before and after treatment

Blood
Zapart, W.; and Przyjalkowski, Z., 1976, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 24 (5), 293-298
Toxocara canis, laboratory mice, diagnosis by ring precipitation and latex agglutination; hematological changes

Blood
Zhidkov, A. E., 1977, Sibirsk. Vestnik Sel'sko-Khoziaistv. Nauki (40), (4), 55-60
ostertagiasis, sheep (exper.), parasitology, clinical aspects, blood morphology and biochemistry

Blood
Zyngier, F. R., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (4), 251-257
Toxocara canis and Ascaris suum infections compared, rabbits, monkeys, description of infection, haematological response, serum proteins, skin test with T. canis antigen

Blood groups. See Blood.

Blood picture. See Blood.

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 lamblia; 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
Navarro Izquierdo, A.; and Pereda Garcia, J. M., 1974, Rev. Clin. Espan., v. 135 (4), 395-398
human echinococcosis with primary localization in pelvic bone, discussion of clinical case: Spain

Bone
Sykes, A. R.; Coop, R. L.; and Angus, K. W., 1979, Research Vet. Sc., v. 26 (3), 372-377
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.

Botswana
Cooper, A. C. D.; and Johnson, R. H., 1973, South African Med. J., v. 47 (37), 1705-1707
intestinal parasites, incidence survey, children: hospital in Botswana
(Entamoeba hystolytica; Entamoeba (unidentified); Taenia saginata; Giardia lamblia; Enteromonas; hookworm; Hymenolepis nana)

Brain. [See also Nervous system]

Brain
Disko, R.; Braveny, I.; and Greutelaers, M. T., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 242 (4), 565-571
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 berenil chemotherapy

Brain
Lal, A. A.; and Garg, N. K., 1979, Exper. Parasitol., v. 48 (3), 331-336
Hartmanella culbertsoni, meningoencephalitic mice, biochemical changes in brain

Brain
Rai, R. D.; and Mohan Rao, V. K., 1978, Indian J. Exper. Biol., v. 16 (8), 903-905
Hartmannella culbertsoni, 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 auratus, cerebral lesions, transmission and scanning electron microscopy, hypothesized that pathogenesis relates to immune complex formation

Brain
Sass, B.; and Gorgacz, E. J., 1978, J. Am. Vet. Med. Ass., v. 173 (9), 1248-1249
Ascaridicae [sp.] in Alectores graeca chukar (brain), histologic changes, source of infection speculated: suburb of Washington, D.C.

Brazil
Campos, C. A. M., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (2), 93-97
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
Campos, D. M. B.; Garibaldi, I. M.; and Carneiro, J. R., 1974, Rev. Patol. Trop., v. 3 (4), 355-359
prevalence of helminths in cats, incidence survey in Goiania, Brazil
(Ancylostoma caninum; Ancylostoma braziliense; Physaloptera praeputialis; Dipylidium caninum; Toxocara cati; Pseudophyllidea; Aelurostrongylus abstrusus; Acantocephalos; Hydatigera taeniaeformis)

Brazil
Carneiro, J. R.; et al., 1973, Rev. Patol. Trop., v. 2 (4), 401-404
helminths of stray dogs, incidence survey: Goiania, Brasil
(A[ncylostoma] caninum; A. brasiliensis; T[oxocara] canis; Strongyloides stercoralis; S[pirocerca] lupi; D[ipylidium] caninum)

Brazil
da Cunha, A. S.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (5), 289-300
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
Evangelista, A.; Komma, M. D.; and dos Santos, M. A. Q., 1972, Rev. Patol. Trop., v. 1 (1), 51-61
survey, incidence of intestinal parasitism in residents of Goiania, Brazil
(Schistosoma mansoni; ancilostomideos; Giardia lamblia; Entamoeba coli; E. histolytica; Strongyloides stercoralis; Ascaris lumbricoides; Trichocephalus trichiuris; Taenia sp.; Enterobius vermicularis; Hymenolepis nana)

Brazil
Faraco, B. F. C.; and Faraco, B. A., 1974, Rev. Brasil. Med., v. 31 (4), 246-248
survey of local waters for parasite contamination and of human feces for parasite infections: distrito de Florianopolis, State of Catarina, Brasil
(Strongyloides stercoralis; ancylostomiasis; Ascaris lumbricoides; Trichuris trichiura; Taenia sp.; Balantidium coli; Giardia intestinalis; Entamoeba coli; Endolimax nana)

Brazil
Faria, J. A. S., 1972, Rev. Soc. Brasil. Med. Trop., v. 6 (5), 261-264
prevalence survey, intestinal parasites in school children 7-14 years of age: Salvador, Brazil
(Ascaris lumbricoides; Trichocephalus trichiurus; ancilostomideos; Schistosoma mansoni; Enterobius vermicularis)

Brazil
Faria, J. A. S., 1974, Rev. Patol. Trop., v. 3 (1), 51-55
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
Federman, H. B.; de Holanda, J. C.; and Evangelista, A., 1973, Rev. Patol. Trop., v. 2 (2), 207-215
incidence survey, endo- and ectoparasites of domestic cats and pigeons from localities of Minas Gerais
Felis catus domesticus: (Ctenocephalides felis; Platinosomum fastosum; Toxocara sp.; D[ipylidium] caninum; Pseudophyllidea; Physaloptera praeputialis; A[ncylostoma] braziliense; A. caninum; Hydatigena taeniaeformis)
Columba livia: (Columbicola columbae; C[apillaria] columbae; A[scaridia] columbae)

Brazil
Giazzi, J. F.; et al., 1974, Rev. Fac. Farm. e Odontol. Araraquara, v. 8 (1), 53-58
prevalence survey for intestinal parasites of inhabitants of Vila Vieira in the city of Araraquara, Brazil
(Ascaris lumbricoides; ancilostomideo; Trichocephalus trichiurus; Hymenolepis nana; Taenia sp.; Strongyloides stercoralis; Enterobius vermicularis; Schistosoma mansoni; Entamoeba coli; Endolimax nana; Iodamoeba butschlii; Giardia lamblia)

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; Heterodoxus longitarsus; 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 Montoril, D. de A. A., 1978, Acta Amazonica, v. 8 (1), 91-98
social, parasitologic, and sanitary survey of inhabitants of Nova Olinda do Norte, State of Amazonas, Brazil
(Ascaris lumbricoides; Trichocephalus trichiurus; ancilostomideos; Strongyloides stercoralis; Enterobius vermicularis; Entamoeba histolytica; E. coli; Giardia lamblia; Endolimax 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 coprological techniques: Londrina, Parana, Brazil
(Ascaris lumbricoides; Ancilostomydae; Trichocephalus trichiurus; Hymenolepis nana; Enterobius vermicularis; Strongyloides stercoralis; Schistosoma mansoni; Taenia sp.; Giardia lamblia; Entamoeba histolytica; E. coli; Endolimax nana; Iodamoeba buetschlii)

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; Haemonchus; Strongyloides; Oesophagostomum; Trichostrongylus; Trichuris)

Brazil
Perez, M. D.; et al., 1975, Rev. Farm. e Bioquim. 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; Iodamoeba buetschlii; Giardia lamblia; Chilomastix mesnili; Strongyloides stercoralis; Ancylostomidae; Ascaris lumbricoides; Trichuris trichiura; Enterobius vermicularis; Schistosoma mansoni; Taenia sp.; Hymenolepis nana)

Brazil
Perez, M. D.; Artigas, P. de T.; and de Lollo, N., 1973, Rev. Soc. Brasil. Med. Trop., v. 7 (3), 167-176
survey for human enteroparasites in 2 areas of differing socio-economic conditions; previously obtained data on dispersion of Triatominae and Planorbidae vectors compared with parasite findings: Braganca Paulista City, Sao Paulo State, Brazil
(Entamoeba histolytica; Giardia lamblia; Entamoeba coli; Entamoeba sp.; Endolimax nana; Iodamoeba buetschlii; Strongyloides stercoralis; Ancylostomidae; Ascaris lumbricoides; Trichuris trichiura; Enterobius vermicularis; 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 trichiurus; Ascaris lumbricoides; Ancylostomidae; Strongyloides stercoralis; Enterobius vermiculares; Entamoeba coli; Giardia lamblia; Iodamoeba butschlii; Entamoeba histolytica)

Brazil
Rodrigues, E. C.; et al., 1972, Rev. Saude Pub., S. Paulo, v. 6 (4), 343-359
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; Trichocephalus trichiurus; Giardia lamblia; Ancilostoma duodenale; Strogyloides stercoralis; Enterobios vermicularis; Himenolepis nana; Taenias; Entamoeba histolytica; E. coli; Schistosoma mansoni)

Brazil
Salata, E.; et al., 1972, Rev. Saude Pub., S. Paulo, v. 6 (4), 385-392
survey, prevalence of human intestinal parasites: Cecap, Botucatu County, Sao Paulo State, Brazil
(Entamoeba histolytica; E. coli; Iodamoeba butschlii; Giardia lamblia; Ancylostomidae; Strongyloides stercoralis; Trichuris trichiura; Ascaris lumbricoides; Enterobius vermicularis; 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 lamblia; ancilostomideos; A. lumbricoides; T. trichiurus; 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
Aruo, S. K., 1977, Bull. Animal Health and Prod. Africa, v. 25 (3), 223-227
Theileria parva, European breeds of cattle, clinical and pathological picture of East Coast fever: Uganda

Breeds
Buchwalder, R.; Hiepe, T.; and Israel, L., 1977, Monatsh. Vet.-Med., v. 32 (23), 898-901
Ascaridia galli, chickens (exper.), age and breed resistance

Breeds
Castelino, J. B.; and Preston, J. M., 1979, Brit. Vet. J., v. 135 (2), 198-203
Fasciola gigantica, cattle, influence of breed and age on prevalence, abattoir survey: Kenya

Breeds
Chakrabarti, A.; and Misra, S. K., 1979, Indian Vet. J., v. 56 (6), 497-500
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
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

Breeds
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

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 anemia 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
Dowling, D. F., 1978, Austral. Vet. J., v. 54 (1), 47 [Letter]
genetic breeding of tick-resistant cattle: Australia

Breeds
Esuruoso, G. O., 1975, Bull. Animal Health and Prod. Africa, v. 23 (3), 323-332
trypanosomiasis, N'dama cattle, observations on outbreaks, association with various epizootiological factors: western Nigeria

Breeds
Esuruoso, G. O., 1977, Bull. Animal Health and Prod. Africa, v. 25 (3), 233-244
Trypanosoma vivax, Zebu vs. Muturu cattle (exper.), differences in innate resistance, comparison of haematological, clinical, and serological responses

Breeds
Garris, G. I.; et al., 1979, J. Econom. Entom., v. 72 (6), 869-872
Amblyomma americanum, infestations and biotic potential on Brahman and Hereford cattle compared under field conditions: eastern Oklahoma

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
Huhn, J., 1977, 3. Externe Veterinartagung, Ber. u. Arbeitsergebn. (40), 217-227
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Carbohydrates. [See also Biochemistry; Metabolism]

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Lo, H. S.; and Reeves, R. E., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 194-197
Entamoeba histolytica, axenic culture, riboflavin requirement

Culture, Protozoa
Long, P. L., 1978, Methods Cultiv. Parasites in Vitro, 129-147
protozoa, growth in chicken embryos, review

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
Lugo-Hernandez, A., 1973, Rev. Brasil. Biol., v. 33 (4), 561-573
Trypanosoma cruzi, comparison of growth and development in 199 medium with inactivated calf serum or with chicken embryo cells at 37° and 33° C

Culture, Protozoa
Lushbaugh, W. B.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (2, pt. 1), 248-254
Entamoeba histolytica, periodic hamster liver passage enhances virulence of axenically cultured trophozoites, statistical analysis

Culture, Protozoa
McHolland-Raymond, L. E.; Kingston, N.; and Trueblood, M. S., 1978, J. Protozool., v. 25 (3, pt. 2), 388-394
Trypanosoma theileri, continuous cultivation at 37 C in bovine cell culture

Culture, Protozoa
Mahajan, R. C.; Panigrahi, D.; and Chandanani, R. E., 1978, Indian J. Med. Research, v. 67, 227-230
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. Exper. 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
Mattern, C. F. T.; Keister, D. B.; and Caspar, P. A., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 882-887
Entamoeba histolytica, rapid in vitro assay for cytopathogenicity of axenically cultivated strains, results compared with in vivo virulence assays

Culture, Protozoa
Mazzola, V.; Amerault, T. E.; and Roby, T. O., 1979, Am. J. Vet. Research, v. 40 (12), 1812-1815
Anaplasma marginale, ultrastructure within and outside Aedes albopictus cells in vitro, reproduction not seen

Culture, Protozoa
Meerovitch, E., 1978, Methods Cultiv. Parasites in Vitro, 19-37
Entamoeba, Giardia lamblia, Trichomonas vaginalis, cultivation, review

Culture, Protozoa
Meerovitch, E.; and Ghadirian, E., 1978, Canad. J. Microbiol., v. 24 (1), 63-65
Entamoeba histolytica, restoration of virulence of two axenic strains by means of incorporation of cholesterol into culture medium

Culture, 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

Culture, Protozoa
Mendonca-Previato, L.; Gorin, P. A. J.; and Previato, J. O., 1979, Biochemistry, Washington, v. 18 (1), 149-154
Herpetomonas samuelpessoai, polysaccharide components of cells grown on various culture media, possible role of certain polysaccharides in immunogenic terms

Culture, Protozoa
Meyer, H.; and Musacchio, M. de O., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (1), 7-9
Toxoplasma gondii in tissue culture, life cycle and development recorded by microcinematographic study in phase contrast

Culture, Protozoa
Milder, R. V.; Kloetzel, J.; and Deane, M. P., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (6), 386-392
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
Minter-Goedbloed, E., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (1), 22-30
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
Minter-Goebloed, E.; Minter, D. M.; and Marshall, T. F. de C., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 217-225
Trypanosoma cruzi, detection in mice, humans, and Didelphis azarae, acute and chronic infections, xenodiagnosis vs. haemoculture, quantitive comparison

Culture, Protozoa
Mitra, S.; and Krishna Murti, C. R., 1978, Proc. Indian Acad. Sc., Sect. B, Exper. Biol., v. 87 (1), 9-23
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
Mourao, O. G.; and Milio, O. C., 1975, Rev. Soc. Brasil. Med. Trop., v. 9 (4), 183-188
Trypanosoma cruzi, method of processing blood cultures for use in diagnosis of chronic phase of Chagas disease

Culture, Protozoa
Musaev, F. A., 1972, Parazitologiia, Leningrad, v. 6 (2), 185-188
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 peridontitis confirmed by treatment of patients with trichopol

Culture, Protozoa
Neal, R. A.; and Miles, R. A., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (3), 170-176
Trypanosoma cruzi, mice, detection of experimental infections, culture methods vs. xenodiagnosis

Culture, Protozoa
Nyindo, M.; et al., 1978, J. Parasitol., v. 64 (3), 469-474
Trypanosoma brucei, cultivation in vitro of infective forms derived from midgut of Glossina morsitans, cultures thus established were infective to rats and tsetse flies

Culture, Protozoa
Nyindo, M. B. A.; et al., 1978, Am. J. Vet. Research, v. 39 (1), 37-44
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), 1978, 1039-1043
Trypanosoma brucei, in vitro cultivation of forms from salivary glands of Glossina morsitans

Culture, Protozoa
Nyindo, M.; et al., 1979, J. Parasitol., v. 65 (5), 751-755
Trypanosoma brucei, in vitro propagation of metacyclic forms derived from salivary glands of Glossina morsitans, addition of specific antiserum to cultures caused agglutination of parasites and rendered them noninfective

Culture, Protozoa
Pan, S. C., 1978, Exper. Parasitol., v. 45 (2), 215-224
Trypanosoma cruzi, highly enriched liquid medium that can support growth of amastigotes at 37 C

Culture, Protozoa
Pan, S. C., 1978, Exper. Parasitol., v. 45 (2), 274-286
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
Pan, S. C. T., 1978, Exper. Parasitol., v. 46 (1), 108-112
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
Phillips, R. S.; Wilson, R. J. M.; and Pasvol, G., 1978, J. Protozool., v. 25 (3, pt. 2), 394-398
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 [^{3}H]-isoleucine by developing gametocytes

Culture, Protozoa
Pifer, L. L.; Woods, D.; and Hughes, W. T., 1978, Infect. and Immun., v. 20 (1), 66-68
Pneumocystis carinii, capable of limited growth in Vero cell culture

Culture, Protozoa
Pignatari de Martinez, F. M. R.; Monetto de Ledesma, A. M.; and Grosso, O. J., 1976, Rev. Fac. Cien. Med. Univ. Nac. Cordoba, v. 34 (3-4), 113-123
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
Pye, D.; and Cox, J. C., 1979, Lab. Animals, v. 13 (3), 193-195
Encephalitozoon cuniculi, in vitro infectivity assay based on enumeration of lesions which appear as macroscopically distinct foci in cell cultures

Culture, Protozoa
Rai, G. P.; Das, S. R.; and Garg, N. K., 1978, Proc. Indian Acad. Sc., Sect. B, Exper. Biol., v. 87 (7), 181-187
Entamoeba histolytica, axenically grown, factors in bacterial lipids supporting parasite growth

Culture, Protozoa
Rassam, M. B.; and Al-Mudhaffar, S. A., 1979, Ann. Trop. Med. and Parasitol., v. 73 (4), 345-347
Leishmania donovani, isolation using 3 different culture media

Culture, Protozoa
Richards, W. H. G.; and Maples, B. K., 1979, Ann. Trop. Med. and Parasitol., v. 73 (2), 99-108
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
Rostkowska, J., 1970, Acta Parasitol. Polon., v. 18 (27-41), 377-392
Balantidium coli, effect of various bacteria on propagation in vitro, on erythrophagocytic capability of balantidia, and on susceptibility of balantidia to atebrin, entobex, mexaform, and protargol; Trichomonas hominis, Chilomastix 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
Scheff, G. J., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 242 (3), 419-421
Entamoeba histolytica, monoxenic cultures, growth enhanced with 6 Fusobacteria strains while Bacteroides strains did not possess this property

Culture, Protozoa
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)

Culture, Protozoa
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

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, Parazitologiia, Leningrad, v. 6 (3), 201-205
Isospora bigemina, I. felis, I. rivolta, sporozoites inoculated into various tissue cultures, all 3 species invaded cultured cells but only I. 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
Siau, Y., 1977, Compt. Rend. Acad. Sc., Paris, v. 285, s. D, Sc. Nat., (6), 681-683
Myxobolus exiguus, early stages of development in vitro

Culture, Protozoa
Siddiqui, W. A.; Kramer, K.; and Richard-Crum, S. M., 1978, J. Parasitol., v. 64 (1), 168-169
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 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

Culture, 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

Culture, Protozoa
Stoessel, F. R.; and Haberkorn, S. E. M., 1978, Gac. Vet., Buenos Aires (327), v. 40, 24-32
Trichomonas foetus, Aberdeen Angus bulls (exper.), efficiency of different culture media for diagnosis

Culture, Protozoa
Tedesco, L. F.; Errico, F.; and Del Baglivi, L. P., 1979, Austral. Vet. J., v. 55 (7), 322-324
Tritrichomonas 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
Tos-Luty, S.; Dutkiewicz, J.; and Uminski, J., 1971, Acta Parasitol. Polon., v. 19 (9-18), 227-236
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
Trager, W.; and Jensen, J. B., 1978, Nature, London (5664), v. 273, 621-622
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 Tsa 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
Werner, H.; Springer, D.; and Koehler, H., 1977, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 239 (4), 557-564
Trypanosoma cruzi-like-strain, morphology, frequency and density of parasites in Sanguinus oedipus, infectivity to monkeys and rodents, no clinical 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), 585-589
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, 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

Culture, Protozoa
Wood, D. E.; and Sousa, O. E., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (2), 93-96
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
Yu, M.; and Kin, T. H., 1970, Singapore Med. J., v. 11 (1), 55-56
Endamoeba histolytica, Balantidium, Trichomonas, culture, new simple method

Culture, Tissue
Bhat, U. K. M.; Mahoney, D. F.; and Wright, I. G., 1979, Experientia, v. 35 (6), 752-753
Babesia bovis, invasion and growth in Boophilus microplus tissue culture

Culture, Tissue
Moulton, J. E., 1978, Am. J. Vet. Research, v. 39 (9), 1558-1564
preparation of primary cultures of tick cells

Culture, Tissue
Varma, M. G. R.; Pudney, M.; and Leake, C. J., 1975, J. Med. Entom., v. 11 (6), 698-706
Rhipicephalus appendiculatus, establishment of 3 cell lines from developing adult tissues, successful infection of 1 cell line with 4 arboviruses

Culture, Trematoda
Davies, C., 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

Culture, Trematoda
Davies, C.; and Smyth, J. D., 1978, Internat. J. Parasitol., v. 8 (2), 125-131
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, 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

Culture, Trematoda
Eveland, L. K.; Ludwikowska, A.; and Madden, K. G., 1979, Exper. Parasitol., v. 48 (3), 375-383
Schistosoma mansoni, long-term cultivation of in vitro derived schistosomula

Culture, Trematoda
Fried, B., 1978, Methods Cultiv. Parasites in Vitro, 151-192
Trematoda, cultivation, review

Culture, Trematoda
Holanda, J. C.; et al., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (6), 410-414
Schistosoma mansoni, cercariae, schistosomules, and intermediate forms obtained in vitro, infectivity for mice, worm recovery

Culture, 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

Culture, Trematoda
Kohn, A.; et al., 1979, Rev. Brasil. Pesqui. Med. e Biol., v. 12 (2-3), 123-126
Schistosoma mansoni, survival time of male vs. female adult worms in 0.85% NaCl or phosphate buffered saline

Culture, 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)

Culture, Trematoda
Lehner, R. P.; and Sewell, M. M. H., 1979, Vet. Parsitol., v. 5 (4), 315-323
Fasciola hepatica, maintenance in vitro of adult flukes in continuous-flow system

Culture, Trematoda
Mitchell, J. S.; Halton, D. W.; and Smyth, J. D., 1978, Internat. J. Parasitol., v. 8 (5), 389-397
Cotylurus erraticus metacercariae, excystment and growth in vitro and in vivo to egg-producing adults

Culture, Trematoda
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, Trematoda
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, Trematoda
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, Trematoda
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. [<u>See also</u> **Integument; Parasite surfaces; Tegument**]

Cuticle
Araujo, P., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (2), 83-90
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

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
Barus, V.; and Sonin, M. D., 1977, Publicaciones Espec. (4), Inst. Biol., Univ. Nac. Autonom. Mexico, 385-390
Schistorophus cornutus, redescription, cuticular ridges, light and scanning electron microscopy

Cuticle
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

Cuticle
Bogoiavlenskii, Iu. K., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 21, 5-11
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

Cuticle
Bogoiavlenskii, Iu. K., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 22, 34-37
Hamatospiculum cylindrica, micromorphology of cuticle and hypodermis

Cuticle
Bogoiavlenskii, Iu. K.; and Nikitina, R. V., 1973, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 23, 36-40
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
Dennell, R., 1978, Zool. J. Linn. Soc., London, v. 64 (3), 241-250
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
Guttekova, A.; and Zmoray, I., 1978, Biologia, Bratislava, s. B, Zool. (2), v. 33 (5), 387-394
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. Sc., v. 70 (3-4), 363-369
Dirofilaria immitis female adults, cuticular amino acids determined by one- and two-dimensional thin layer chromatography

Cuticle
Kleinschuster, S. J.; Hepler, D. I.; and Voth, D. R., 1978, Vet. Sc. Commun., v. 2 (3), 237-241
Nematospiroides dubius, mice, mechanism of attachment appears to be primary longitudinal striae of the cuticle which embed into the host's intestinal villi

Cuticle
Koroleva, N. A., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 21, 41-43
Heterakis gallinarum, fine structure of cuticle

Cuticle
Koshkina, L. A., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 22, 88-92
Ascaridia galli, in vivo and in vitro studies on effect of host immunity on cuticle permeability

Cuticle
Lichtenfels, J. R., 1977, Proc. Helminth. Soc. Washington, v. 44 (2), 111-119
6 Cooperia spp. of North American ruminants, differences in cuticular ridges, use in identification of males and females, key

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Cytology, Protozoa
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(Ascaris lumbricoides; Trichuris trichiura; Enterobius vermicularis; Strongyloides stercoralis; Giardia lamblia; Entamoeba coli; E. histolytica; E. hartmanni; Endolimax nana; Iodamoeba buetschlii)

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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; Oesophagostomum radiatum; Trichocephalus ovis; Cooperia spp.; Ascaris suum)

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dogs (Toxocara canis; Taenia pisiformis; Dipylidium caninum; Isospora)
cats (Toxocara cati; Taenia taeniaeformis; Dipylidium caninum; Isospora)

DNA. See Nucleic acids.

Definitions. See Terminology.

Denmark
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intestinal parasites in school children, incidence survey, correlations between incidence and social parameters: Denmark (Giardia lamblia; Chilomastix mesnili; Pentatrichomonas hominis; Entamoeba coli; E. histolytica; E. suis; Endolimax nana; Dientamoeba fragilis; Enterobius vermicularia; Trichuris trichiura; Necator americanus; Ascaris lumbricoides)

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check list of Danish Acari

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fleas, cats and dogs, patterns of infestation, seasonal prevalence, parasite sex ratio, probable causes of increased incidence, public health importance: Denmark
cats
(Ctenocephalides felis; C. canis; Archaeopsylla erinacei)
dogs
(Ctenocephalides felis; C. canis; Archaeopsylla erinacei; Pulex irritans; Ceratophyllus gallinae)

Denmark
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parasite survey, 150 Vietnamese Mon-Khmers during their first 30 months after arrival in Denmark
(Entamoeba histolytica; Giardia lamblia; Plasmodium falciparum; P. vivax; Entamoeba coli; Endolimax nana; Iodamoeba buetschilii; Entamoeba hartmanni; Pediculus capitis; Sarcoptes scabiei; Ascaris; Ancylostoma duodenale; Strongyloides stercoralis)

Dermal tests. See Immunity, Skin tests.

Dermatitis. [See also Skin]

Dermatitis, Arthropoda
Bland-van den Berg, P., 1977, J. South African Vet. Ass., v. 48 (4), 247-253
canine dermatitis, broad review of etiology, pathogenesis, diagnosis, and treatment

Dermatitis, Arthropoda
Hiepe, T.; et al., 1978, Monatsh. Vet.-Med., v. 33 (23), 901-904
Caloglyphus berlesei, sheep, enzootic occurrence, pruritis, wool loss, and dermal lesions, controlled by immediate shearing, perdix PE 50, and moving entire herd to clean sheep pen

Dermatitis, Arthropoda
Joseph, S. A., 1977, Indian J. Animal Research, v. 11 (2), 84-86
Ctenocephalides felis orientis in 4 human volunteers, dermatitis, immediate and delayed hypersensitivity

Dermatitis, Arthropoda
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
Kristensen, S.; and Kieffer, M., 1978, Nord. Vet.-Med., v. 30 (10), 414-423
flea allergy in dogs and cats, intradermal test with whole extract of Ctenocephalides felis; test evaluation procedure

Dermatitis, Arthropoda
McKeever, P. J.; and Allen, S. K., 1979, J. Am. Vet. Med. Ass., v. 174 (7), 718-720
Cheyletiella spp., cats, pruritic dermatitis, pyrethrins, malathion 57

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
Nesbitt, G. H.; and Schmitz, J. A., 1978, J. Am. Vet. Med. Ass., v. 173 (3), 282-288
fleabite allergic dermatitis, review and survey of 330 cases, dogs, clinical signs, diagnosis, histopathology, treatment program (break flea life cycle, minimize infestation of all animals in household using insecticidal dips, baths, and collars, hyposensitization with flea antigen)

Dermatitis, Arthropoda
Rufli, T.; and Mumcuoglu, Y., 1979, Praxis, Bern, v. 68 (44), 1441-1452
lice, biology, elimination and prevention of human infestations, extensive clinical review

Dermatitis, Nematoda
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
Connor, D. H., 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (2), 209-214
Onchocerca volvulus, human, pathogenesis of onchocercal dermatitis, current concepts

Dermatitis, Nematoda
Cotofan, O.; Minascurta, C.; and Tepordei, V., 1977, Lucrar. Stiint. Inst. Agron. I. Ionescu Brad Iasi, s. Zooteh.-Med. Vet., 93-94
strongyloid dermatitis, sheep, histopathology

Dermatitis, Nematoda
Koshy, A.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 42-45
Ancylostoma duodenale, outbreak of disease in 27 young males after playing local game on field heavily contaminated with nightsoil, unusual clinical features, treatment: India

Dermatitis, Nematoda
Oduye, O. O., 1971, J. Comp. Path., v. 81 (4), 581-583
Stephanofilaria sp., cattle, dermatitis, gross and histopathology of lesions: Northern States of Nigeria

Dermatitis, Nematoda
Pasyk, K., 1978, Brit. J. Dermat., v. 98 (1), 107-112
Rhabditis strongyloides causing pruritic dermatitis in 11-year-old girl, clinical case report, differential diagnosis, family dog as possible source of infection: Poland

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Plasmodium falciparum as cause of acute urticaria, 2 case reports: Ethiopia

Dermatitis, Protozoa
Uilenberg, G.; and Zwart, D., 1979, Research Vet. Sc., v. 26 (2), 243-245
Theileria parva, calves (exper.) with advanced East Coast fever, occurrence of skin nodules with schizonts and/or skin nodules with Demodex bovis

Dermatitis, Schistosome. See Dermatitis, Trematoda.

Dermatitis, Trematoda
Kravitz, P.; and Lewis, M., 1977, Rhode Island Med. J., v. 60 (8), 382-383
Austrobilharzia variglandis causing swimmer's itch in humans, clinical aspects, cercarial life cycle, transmission in waters of Rhode Island

Dermatitis, Trematoda
Lien, C. A.; et al., 1975, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 21 (2), 183-189
Orientobilharzia turkestanica var. tuberculata, aetiological agent of rice-field dermatitis, life history: Chengnan People's Commune, Hailung Hsien, Kirin Province

Dermatitis, Trematoda
Rohde, K., 1977, Ztschr. Parasitenk., v. 52 (1), 39-51
Austrobilharzia terrigalensis, synonymy, description, life cycle, failure to produce cercarial dermatitis in humans

Dermatitis, Trematoda
Rohde, K., 1978, Search, v. 9 (1-2), 40-42
Gigantobilharzia sp., description, potential agent of dermatitis: Heron Island (southern end of Great Barrier Reef, 80 km from mainland), Australia

Dermatitis, Trematoda
Sahba, G. H.; and Malek, E. A., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 912-913
Orientobilharzia turkestanicum, cause of cercarial dermatitis among rice farmers: Caspian Sea area of Iran

Dermatitis, Trematoda
Scott, M. E.; and Burt, M. D. B., 1976, Canad. J. Zool., v. 54 (12), 2200-2207
Cercaria catascopii n. sp., causative agent of swimmers' itch, distribution of infected snails in lakes of recreational importance: New Brunswick, Canada

Dermatitis, Trematoda
Sekla, L.; et al., 1978, Canad. J. Pub. Health, v. 69 (6), 475-480
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
Wills, W.; et al., 1976, Pub. Health Rep., U.S. Pub. Health Serv., v. 91 (5), 469-470
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
Yokogawa, M.; et al., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (5), 366-370
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
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Trichinella spiralis larvae in experimentally infested swine meat, morphological changes and viability following freezing and cryodesiccation

Desiccation
Berger, V. Ia.; 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
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

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
Kunstyr, I.; and Ammerpohl, E., 1978, Lab. Animals, v. 12 (2), 95-97
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
Nath, S., 1978, Experientia, v. 34 (5), 580-582
Strongyloides papillosus, effect of relative humidity on eggs and larvae

Desiccation
Nwosu, A. B. C., 1978, Bull. Animal Health and Prod. Africa, v. 26 (1), 49-53
Ancylostoma tubaeforme, eggs and third-stage larvae, survival of desiccation under defined relative humidities at high temperatures in the laboratory

Desiccation
Rondelaud, D.; and Barthe, D., 1978, Ann. Parasitol., v. 53 (2), 201-213
Fasciola hepatica, development of redial generations in Lymnaea truncatula in relation to temperature, desiccation of habitat, and host body size

Desiccation
Stradowski, M., 1974, Acta Parasitol. Polon., v. 22 (35-44), 415-422
Amidostomum 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
Zurliiski, P., 1978, Vet. Med. Nauki, v. 15 (7), 107-116
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
Kennedy, C. R., 1970, Symposia Brit. Soc. Parasitol., v. 8, 145-159
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
Vasilev, I., 1976, Khelmintologiia, 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 tshawytscha (intestine), maturation and localization in spawning vs. non-spawning hosts: Lake Michigan

Development, Acanthocephala
Byram, J. E.; and Byram, K. W., 1976, Rice Univ. Studies, v. 62 (4), 43-67
Moniliformis dubius, larval morphogenesis in Periplaneta americana, effect of temperature, season, photoperiod, and elevated temperature stress, morphological anomalies

Development, Acanthocephala
Holcman-Spector, B.; Mane-Garzon, F.; and Dei-Cas, E., 1977, Rev. Biol. Uruguay, v. 5 (2), 67-76
Falsifilicollis sp., invaginated and disinvaginated larvae, description, sexual dimorphism in relation to size

Development, Acanthocephala
Marchand, B.; and Mattei, X., 1978, J. Ultrastructure Research, v. 63 (1), 41-50
Neoechinorhynchus agilis, flagellogenesis, positioning and disorganization of spermatic axoneme

Development, Acanthocephala
van Maren, M. J., 1979, Bijdr. Dierk., Amsterdam, v. 48 (2), 97-110
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

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

Development, Arthropoda
Berdyev, A., 1972, Parazitologiia, Leningrad, v. 6 (1), 30-34
Hyalomma asiaticum asiaticum, duration of life cycle in natural biotopes (burrows of [Rhombomys 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

Development, Arthropoda
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
Bukshtynov, 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

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), 73-78
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
Crystal, M. M.; and Guillot, F. S., 1978, Ann. Entom. Soc. Am., v. 71 (2), 243-246
Cochliomyia hominivorax, field-collected and laboratory reared females, correlation of changes in flight behavior of aging female with changes in ovarian development

Development, Arthropoda
Doube, B. M., 1975, J. Med. Entom., v. 12 (2), 240-243
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
Dudzinski, W., 1970, Acta Parasitol. Polon., v. 18 (42-50), 555-572
Cephenemyia stimulator in Capreolus capreolus, distribution within head cavity, seasonal incidence and development of larval stages throughout year, experimental infection of host, rearing of imagoes, unsuccessful attempts to catch imagoes in the field: Poland

Development, Arthropoda
Gerasimova, N. G., 1971, Parazitologiia, Leningrad, v. 5 (2), 137-139
Xenopsylla skrjabini, X. nuttalli, females, rate of maturation (as assessed by darkening of spermatheca) depends upon number of feedings and environmental temperature

Development, Arthropoda
Grabda, J., 1973, Acta Ichthyol. et Piscat., v. 3 (1), 61-74
Cecrops latreillii, morphology and development

Development, Arthropoda
Hafez, M.; and Hilali, M., 1978, Vet. Parasitol., v. 4 (3), 275-288
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)

Development, Arthropoda
Hafez, M.; Hilali, M.; and Fouda, M., 1977, Ztschr. Ang. Entom., v. 83 (4), 426-441
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
Heath, A. C. G., 1979, Internat. J. Parasitol., v. 9 (1), 33-39
Haemaphysalis longicornis, Ixodes holocyclus, and Rhipicephalus sanguineus eggs, temperature and humidity preferences

Development, Arthropoda
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

Development, Arthropoda
Honzakova, E., 1971, Folia Parasitol., v. 18 (4), 357-363
ticks, development under standard laboratory conditions

Development, Arthropoda
Isaac, I. S., 1977, J. Med. Entom., v. 13 (4-5), 609-611
Argas arboreus, effect of blood meal weight on nymphal instar numbers

Development, Arthropoda
Iurgenson, 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
Johannessen, A., 1978, Sarsia, v. 63 (3), 169-176
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
Kabata, Z., 1969, J. Fish Research Bd. Canada, v. 26 (4), 921-934
Phrixocephalus 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

Development, Arthropoda
Kamala 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
Karpovich, V. N., 1970, Parazitologiia, Leningrad, v. 4 (4), 345-351
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
Knapp, F. W.; et al., 1979, Ann. Entom. Soc. Am., v. 72 (3), 331-333
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
Koch, H. G.; and Hair, J. A., 1975, J. Med. Entom., v. 12 (2), 213-219
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
Kosminskii, R. B.; et al., 1979, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 48-53
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

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Physaloptera maxillaris, development to infective stage in Gryllus pennsylvanicus (ileum) (exper.), description of larval stages

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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

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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

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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
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Haemonchus contortus, Trichostrongylus spp., sheep, termination of arrested development, time of year: northern Nigeria

Development, Nematoda
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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

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Bunostomum trigonocephalum, hatching and development of eggs in vitro, route of infection and prepatent period in goats (exper.)

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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

Development, Nematoda
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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

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Parasitaphelenchus papillatus, development of various stages in body cavity of Blastophagus piniperda or in its tunnels and frass

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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

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Hasstilesia ochotonae, life cycle, description of developmental stages

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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

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Development, Nematoda
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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

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Development, Nematoda
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Development, Nematoda
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Angiostrongylus cantonensis, rats, mice, guinea pigs (all exper.), development

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[ascarids], [Trichocephalus], [Oesophagostomum], development of eggs under climatic conditions of Minsk oblast

Development, Nematoda
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Brugia malayi, B. pahangi, percentage of larvae carried by vector (Aedes aegypti) which reach maturity in Meriones unguiculatus (exper.); distribution in final host

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Development, Protozoa
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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

Development, Protozoa
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Development, Protozoa
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Development, Protozoa
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Development, Protozoa
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Development, Protozoa
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Development, Protozoa
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Development, Protozoa
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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

Development, Protozoa
Gillet, J.; and Herman, F., 1971, Ann. Soc. Belges Med. Trop. Parasitol., v. 51 (6), 679-681
Trypanosoma equiperdum, development in mouse embryos, no resistance by host animals, fatal infections in all

Development, Protozoa
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Babesia rodhaini, inoculation into mouse embryos on 15th day of gestation, delayed development

Development, Protozoa
Goebel, E.; Katz, M.; and Erber, M., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 241 (3), 368-383
Sarcocystis suicanis, pigs (exper.), ultrastructure and development of sarcocysts in muscle cells, light and electron microscopy

Development, Protozoa
Hadani, A.; Kaufman, W.; and Barnett, S. F., 1978, J. Parasitol., v. 64 (3), 501-503
Nuttallia danii, development within Hyalomma anatolicum excavatum salivary glands held in organ culture in vitro

Development, Protozoa
Heydorn, A. O.; and Mehlhorn, H., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 240 (1), 123-134
Sarcocystis suihominis, pigs (exper.), fine structure of schizonts and formation of merozoites within various host organs

Development, Protozoa
Hilali, M.; and Scholtyseck, E., 1979, Acta Vet. Scand., v. 20 (3), 321-328
globidian cyst-like bodies containing multinucleate schizonts or merozoites, sheep (abomasum), ultrastructure, merozoite formation, host cell confirmed as being alive and intact: Bonn

Development, Protozoa
Ismailov, S. G., 1974, Parazitologiia, Leningrad, v. 8 (3), 261-265
Eimeria erythrourica in Meriones erythrourus (exper.), endogenous stages of life cycle

Development, Protozoa
Janardanan, K. P.; and Ramachandran, P., 1979, Zool. Anz., Jena, v. 203 (5-6), 392-400
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Development, Protozoa
Kelley, G. L.; and Youssef, N. N., 1977, Ztschr. Parasitenk., v. 53 (1), 23-29
Eimeria vermiformis, development from sporozoite to mature first-generation schizonts in cell cultures

Development, Protozoa
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Anaplasma marginale, in vitro cultivation in bovine erythrocytes, growth pattern and morphology

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Anaplasma marginale, in vitro cultivation in normal ovine and bovine erythrocytes, transmission from infected ovine to normal bovine cells demonstrated, growth patterns

Development, Protozoa
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Trypanosoma cotti, redescription of parasite in Enophrys bubalis and its development in its leech vector Calliobdella punctata based on Brumpt's original material

Development, Protozoa
Kimura, E.; Lay, W. H.; and Fernandes, J. F., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (3), 133-138
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

Development, Protozoa
Kirmse, P., 1979, Ztschr. Parasitenk., v. 59 (2), 141-150
Haemogregarina simondi, redescription of life cycle

Development, Protozoa
Kongtong, P.; and Inoki, S., 1975, Kiseichugaku 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 parkeri, fine structure of sporogonic stages from Ornithodoros parkeri (exper.)

Development, Protozoa
Lanar, D. E., 1979, J. Protozool., v. 26 (3), 457-462
Trypanosoma cruzi, cultivation with Triatoma infestans embryo cell line, growth and differentiation

Development, Protozoa
Landau, I.; et al., 1979, Ann. Parasitol., v. 54 (2), 145-161
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Development, Protozoa
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coccidiosis, lambs, excretion and development of oocysts, humidity of bedding, and growth of hosts

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Development, Protozoa
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Development, Protozoa
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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

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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Schistosoma haematobium, in vivo development in hamster, six stages of development distinguished on basis of morphological and histochemical characteristics

Development, Trematoda
Ghandour, A. M.; and Babiker, A., 1978, Ann. Trop. Med. and Parasitol., v. 72 (3), 227-230
Schistosoma bovis, in vivo development in Nile rat (Arvicanthus niloticus), six stages of development distinguished

Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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Development, Trematoda
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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
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Development, Trematoda
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Development, Trematoda
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Gorgoderina vitelliloba, ultrastructure of vitelline follicles

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

Development, Trematoda
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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
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Echinostoma erraticum sporocysts, morphological changes and development in experimentally infected Biomphalaria straminea

Development, Trematoda
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Paramphistomum cervi, development in cattle, sheep, and roedeer (all exper.)

Development, Trematoda
Krasnolobova, T. A., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 22, 92-118
Plagiorchis elegans, development in final hosts, morphological variation, effect of host species, parasite age, and season

Development, Trematoda
Krasnolobova, T. A.; Iliushina, T. L.; and Rybakova, Z. I., 1974, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 24, 73-75
Prosthogonimus ovatus, synonymy, extent of development of reproductive system varies with definitive host

Development, Trematoda
Ktari, M. H., 1977, Publicaciones Espec. (4), Inst. Biol., Univ. Nac. Autonom. Mexico, 61-67
Dionchus agassizi, D. remorae, anatomy, development, rate of parasitism on Echeneis naucrates, distribution of adults and egg clusters on gills: golfe de Tunis; golfe de Gabes

Development, Trematoda
Kulemina, I. V., 1977, Vestnik Leningrad. Univ. (9), s. Biol. (2), 12-18
Gyrodactylus sp., size of anchors and marginal hooks on opisthaptor, seasonal variation, dependence on water temperature, natural and experimental evidence

Development, Trematoda
Lambert, A., 1977, Ztschr. Parasitenk., v. 52 (3), 229-240
Ergenstrema mugilis, larval and postlarval development, ciliated cells, chaetotaxy, and excretory system of oncomiracidium

Development, Trematoda
Lambert, A., 1979, Ztschr. Parasitenk., v. 58 (3), 259-263
Dactylogyrus extensus, Actinocleidus recurvatus, postlarval changes in chaetotaxy

Development, Trematoda
Lengy, J.; and Gold, D., 1978, Israel J. Zool., v. 27 (4), 209-220
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
Margolis, L.; and Boyce, N. P., 1969, J. Fish. Research Bd. Canada, v. 26 (4), 893-907
Tubulovesicula lindbergi and Lecithaster gibbosus in captive Oncorhynchus, parasite life span, maturation, and growth

Development, Trematoda
Meuleman, 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 circulatory vessels and exit from the skin, and their route of exit

Development, Trematoda
Mishchenko, V. F., 1974, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 24, 102-112
Linstowiella viviparae, life cycle and development, description of egg, miracidium, sporocyst, cercaria, metacercaria, and marita

Development, Trematoda
Mohandas, A.; and Nadakal, A. M., 1978, Ztschr. Parasitenk., v. 55 (2), 139-151
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 pancreaticum, morphology, life cycle and development under conditions of Primorski krai

Development, Trematoda
Neuhaus, W., 1978, Ztschr. Parasitenk., v. 55 (3), 209-221
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
Niewiadomska, K.; and Kozicka, J., 1970, Acta Parasitol. Polon., v. 18 (42-50), 487-496
Cotylurus erraticus, life cycle, development, morphology

Development, Trematoda
Odening, K.; Bockhardt, I.; and Graefner, G., 1979, Zool. Jahrb., Jena, Abt. Syst., v. 106 (2), 214-241
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, Parazitologiia, Leningrad, v. 5 (4), 330-334
Eurytrema pancreaticum, migratory route and morphogenesis in rabbits and goats

Development, Trematoda
Powell, E. C., 1977, Proc. Helminth. Soc. Washington, v. 44 (2), 136-141
Ochetosoma aniarum, metacercariae, early ultrastructural development of excretory bladder

Development, Trematoda
Price, Z.; Voge, M.; and Beydler, S., 1978, Scan. Electron Micr., v. 2, 399-404
Schistosoma mansoni, mice, changes in tegumental surfaces during development

Development, Trematoda
Raikhel, A. S., 1971, Parazitologiia, Leningrad, v. 5 (5), 441-445
Haplometra cylindracea, development and structure of mother and daughter sporocysts

Development, Trematoda
Rees, F. G., 1978, Proc. Roy. Soc. London, s. B, Biol. Sc. (1140), v. 200, 245-267
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Diagnosis, Cestoda
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Diagnosis, Nematoda
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Diagnosis, Nematoda
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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)

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Diagnosis, Nematoda
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Diagnosis, Nematoda
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trichinosis, Stomacher digestion methods for diagnosis in meat inspection, advantages in reliability, practicability, capacity and cost

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Diagnosis, Nematoda
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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
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Diagnosis, Nematoda
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Trichinella spiralis, technique for demonstration of larvae in suspensions of digested muscle tissue

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Diagnosis, Nematoda
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pulmonary perfusion scintigram in dogs, potential value in clinical diagnosis of heartworm disease

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Diagnosis, Nematoda
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Diagnosis, Nematoda
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Diagnosis, Nematoda
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Diagnosis, Nematoda
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human trichinosis, analysis of clinical symptoms and complications as presented in 402 observed cases: Warsaw, Poland

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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
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Diagnosis, Nematoda
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small intestinal biopsy for differential diagnosis, strongyloidiasis and ancylostomiasis among diseases successfully diagnosed by this method

Diagnosis, Nematoda
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Diagnosis, Nematoda
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6 Cooperia spp. of North American ruminants, differences in cuticular ridges, use in identification of males and females, key

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Diagnosis, Nematoda
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Diagnosis, Nematoda
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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
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Wuchereria bancrofti, 3 techniques (standard slide method, counting chamber technique, and membrane filtration technique) compared for counting microfilariae in blood specimens

Diagnosis, Nematoda
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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
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ascariasis, humans, differential diagnosis, cholangiography

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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
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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
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strongylate nematodes of Nigerian cattle, identification, faecal culture, infective larvae, descriptions, key: Nigeria

Diagnosis, Nematoda
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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
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Loa loa, Dipetalonema perstans, differentiation using histochemical patterns of acid phosphatase activity in microfilariae

Diagnosis, Nematoda
Oyerinde, J. P. O., 1978, Ann. Trop. Med. and Parasitol., v. 72 (4), 363-367
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
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Diagnosis, Nematoda
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Strongyloides stercoralis, humans, diagnosed cytologically from gastric and duodenal aspirates, patients presented with symptoms of malignancy, case reports

Diagnosis, Nematoda
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Diagnosis, Nematoda
Puylaert, F., 1967, Bull. Mus. National Hist. Nat., Paris, 2. s., v. 38 (6), 1966, 921-927
Libyostrongylus and Paralibyostrongylus, revised diagnosis

Diagnosis, Nematoda
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Cysticercus cellulosae, filariasis, dracunculosis, human, radiologic diagnosis of infections in soft tissues

Diagnosis, Nematoda
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Dirofilaria immitis, human, diagnostic consideration for pulmonary coin lesions, case report: Florida

Diagnosis, Nematoda
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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
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nematodes, cattle, quantitative and qualitative diagnosis, fecal egg count vs. larval culture

Diagnosis, Nematoda
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microfilaria, rate of detection by capillary method

Diagnosis, Nematoda
Schanzel, H.; et al., 1978, Acta Vet. Brno, v. 47 (1-2), 91-95
Trichinella spiralis, mice, guinea pigs, serum creatine-phosphokinase activity not useful for diagnosis

Diagnosis, Nematoda
Schillhorn van Veen, T. W.; and Blotkamp, J., 1978, Tropenmed. u. Parasitol., v. 29 (1), 33-35
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
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equine strongyles, differential diagnosis of third stage larvae

Diagnosis, Nematoda
Shelley, A. J.; et al., 1979, J. Med. Entom., v. 16 (1), 48-51
Onchocerca volvulus, human, concentration of microfilariae by Simulium sanguineum during feeding, fly gut squash method compared with skin snips for mapping parasite distribution in skin or for diagnosis: Amazonas, Brazil

Diagnosis, Nematoda
Shmytova, G. Ia., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 21, 157-166
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
Silverman, N. H.; Katz, J. S.; and Levin, S. E., 1973, South African Med. J., v. 47 (6), 219-221
Capillaria hepatica in 17-month-old female, clinical presentation of visceral larva migrans, liver biopsy confirmed diagnosis, diethylcarbamazine and sodium antimonyl gluconate improved but did not cure infection: district of Bethal, South Africa

Diagnosis, Nematoda
Soprunova, N. Ia.; Soprunov, F. F.; and Lur'e, A. A., 1973, Ang. Parasitol., v. 14 (1), 11-17
Ascaris, humans, pigs (exper.), diagnosis, detection of volatile fatty acids in urine, may also be applicable to other helminth diseases

Diagnosis, Nematoda
van der Spuy, S., 1978, South African Med. J., v. 53 (25), 1030-1033
biliary ascariasis, children, diagnosis, evaluation of therapy, and removal of worms from biliary system using cholangiography and duodenoscopy, alternative to surgery

Diagnosis, Nematoda
Stueben, E. B., 1978, Mosquito News, v. 38 (4), 586-587
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 Talfi, I., 1973, Przegl. Lek., v. 30 (8), 696-699
Dracunculus medinensis, humans, radiological diagnosis of calcified guinea worms

Diagnosis, Nematoda
Szczygiel, B.; and Talfi, 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
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

Diagnosis, Nematoda
Thomas, H.; and Meister, G., 1979, Tropenmed. u. Parasitol., v. 30 (2), 170-173
Dipetalonema witei, new cheap and time saving method to detect microfilariae in peripheral blood of Mastomys natalensis

Diagnosis, Nematoda
Van Ros, G., 1973, Rev. Franc. Gastro-Enterol. (89), 35-50
human intestinal helminths, differential diagnosis

Diagnosis, Nematoda
Vrijenhoek, R. C., 1978, J. Parasitol., v. 64 (5), 790-798
Contracaecum, 2 morphologically indistinct populations of larvae from Poeciliopsis 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

Diagnosis, Nematoda
Weller, P. F.; and Ottesen, E. A., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (1), 31-32
Wuchereria bancrofti, in persons with subperiodic infections diethylcarbamazine fails to provoke marked increase in circulating microfilariae immediately after therapy is initiated; in contrast, in persons with nocturnally periodic infections there is significant increase

Diagnosis, Nematoda
Wiger, R.; Barus, V.; and Tenora, F., 1978, Zool. Scripta, v. 7 (1), 25-31
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
Wong, M. M.; and Suter, P. F., 1979, Am. J. Vet. Research, v. 40 (3), 414-420
Dirofilaria immitis, dogs (exper.) without microfilaremia, indirect fluorescent antibody titers, degree of eosinophilia, and radiologic findings before and after treatment, reinfection, necropsy findings, significance of tests, application to diagnosis

Diagnosis, Nematoda
Yen, P. K. F.; and Mak, J. W., 1978, Ann. Trop Med. and Parasitol., v. 72 (2), 157-162
Brugia, Wuchereria, Dirofilaria, and Breinlia spp., microfilariae, histochemical differentiation by distribution of acid phosphatase activity

Diagnosis, Nematoda
Yoshida, Y.; et al., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (3), 168-174
Ancylostoma 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. Portug. Med. Mil., v. 23 (1-2), 64-66
Plasmodium spp., differential diagnosis, review

Diagnosis, Protozoa
Adamali, N.; Wankya, B. M.; and Maneno, J., 1978, East African Med. J., v. 55 (9), 414-416
amoebic liver abscesses, humans, safe and rapid diagnosis with infusion tomography, case reports: Kenya

Diagnosis, Protozoa
Albuquerque, R. D. R.; et al., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (1), 1-5
Chagas disease, human, serial hemoculture in Warren's medium, valuable diagnostic technique

Diagnosis, Protozoa
Al-Taqi, M.; and Evans, D. A., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (1), 56-65
Leishmania spp., characterization by isoenzyme electrophoresis, comparison of stocks from Kuwait with stocks from other parts of Old and New Worlds

Diagnosis, Protozoa
Amato Neto, V.; et al., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (5), 326-329
Toxoplasma gondii, human acquired lymphatic form, diagnosis by bone marrow examination

Diagnosis, Protozoa
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Diagnosis, Protozoa
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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
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Diagnosis, Protozoa
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Toxoplasma gondii, humans, diagnosis, review

Diagnosis, Protozoa
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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

Diagnosis, Protozoa
Argiolas, N.; et al., 1974, Rassegna Med. Sarda, v. 77, n.s., v. 26 (3), 221-260
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Diagnosis, Protozoa
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Diagnosis, Protozoa
Ashton, N.; and Stamm, W., 1975, Tr. Ophth. Soc. United Kingdom, v. 95 (2), 214-220
acanthamoebic infections of human eyes, histologic features, diagnostic problems, clinical report

Diagnosis, Protozoa
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Sarcocystis [sp.], ram, stallion, localization in bulbocavernosus muscle, diagnosis: Greece

Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Diagnosis, Protozoa
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Trichomonas vaginalis, women, diagnosis, new rapid staining technique, useful addition to wet-film and culture

Diagnosis, Protozoa
Barnett, D.; et al., 1977, Proc. 20. Ann. Meet., Am. Ass. Vet. Lab. Diagn. (Minneapolis, Minnesota, Oct. 16-18), 131-138
Sarcocystis cruzi, pregnant cows (exper.), abortion, practical diagnosis using maternal caruncle

Diagnosis, Protozoa
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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
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Entamoeba histolytica, colitis, humans, pathologic changes determined by radiologic means

Diagnosis, Protozoa
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Trypanosoma cruzi, human, dilatation and motion of esophagus as diagnostic feature in conjunction with serologic findings

Diagnosis, Protozoa
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Diagnosis, Protozoa
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Chagas disease, congenital, diagnosis through study of fetal remains

Diagnosis, Protozoa
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Chagas disease in children, diagnosis, pathology, therapeutic trials with various drugs, metronidazole was well tolerated and therefore most promising therapy: Panama

Diagnosis, Protozoa
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E[ntamoeba] histolytica, analysis of syndromes considered as acute diarrheal diseases, differential diagnosis of amoebic dysentery from other forms of dysentery

Diagnosis, Protozoa
Boch, J.; Mannewitz, U.; and Erber, M., 1978, Berl. u. Munchen. Tierarztl. Wchnschr., v. 91 (6), 106-111
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
Bogush, A. A., 1973, Vet. Nauka--Proizvod., Trudy, Minsk, v. 11, 171-175
Trichinella spiralis, Sarcocystis miescheriana, swine, differential diagnosis

Diagnosis, Protozoa
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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
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Encephalitozoon [sp.], dogs (nat. and exper.), clinical, clinicopathological, macroscopic, and histopathological findings, electron microscopic and cultural confirmation, transmission experiment: South Africa

Diagnosis, Protozoa
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amoebic liver abscess rupturing into subphrenic space, child, diagnosis using radiography followed by ultrasound

Diagnosis, Protozoa
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Sarcocystis recovered in beef from retail outlets by using a digestion technique

Diagnosis, Protozoa
Boyle, A. L.; et al., 1979, J. Clin. Path., v. 32 (3), 306-307 [Letter]
Naegleria, child, rapid detection of trophozoites in spinal fluid stained with bacterial stains

Diagnosis, Protozoa
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Leishmania spp., variation in electrophoretic mobility of the enzyme phosphoglucomutase in the parasite and its application to the differentiation of leishmanial strains

Diagnosis, Protozoa
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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
Brown, R. C.; et al., 1978, Postgrad. Med. J., London (634), v. 54, 555-558
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
human hepatic amoebiasis, size, localization and course of hepatic abscesses evaluated by scintigraphy and compared with clinical symptoms, use in diagnosis

Diagnosis, Protozoa
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rhodesiense sleeping sickness, humans, diagnostic review of 400 cases (blood smear, cerebro-spinal fluid smear, gland aspirate): Zambia

Diagnosis, Protozoa
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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
Campos, C.; de Rezende, J. M.; and Rassi, A., 1975, Rev. Soc. Brasil. Med. Trop., v. 9 (4), 165-174
T[rypanosoma] 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
Carrillo Mancero, L.; and Ontaneda Polit, M., 1974, Rev. Med., Quito, v. 1 (1), 16-24
human hepatic amoebic abscess, diagnosis by angiography

Diagnosis, Protozoa
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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
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Pneumocystis carinii pneumonia in immunocompromised man who was receiving continuously assisted ventilation via tracheostomy tube, diagnosis using tracheostomy tube adapter for fiberbronchoscopy

Diagnosis, Protozoa
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Diagnosis, Protozoa
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human hepatic amoebic abscess, ultrasonographic studies on 50 patients, usefulness of this diagnostic method

Diagnosis, Protozoa
Chance, M. L.; et al., 1978, Ann. Trop. Med. and Parasitol., v. 72 (1), 13-22
Plasmodium (Vinckeia) spp., value of DNA studies employing buoyant density determinations and measurements of nucleotide sequence homology in systematics and identification

Diagnosis, Protozoa
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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
Chataing, B., 1976, Rev. Franc. Transfus. et Immuno-Hematol., v. 19 (2), 327-330
human malaria, differential diagnosis of infection with emphasis on cases found in non-endemic areas

Diagnosis, Protozoa
Chiari, E.; and Dias, J. C. P., 1975, Rev. Soc. Brasil. Med. Trop., v. 9 (3), 133-136
human Chagas disease, diagnosis using Lit medium and Mourao and Mello technique for blood cultures

Diagnosis, Protozoa
Chintana, T,; et al., 1979, Southeast Asian J. Trop. Med. and Pub. Health, v. 10 (1), 81-84
Trichomonas vaginalis, women, diagnosis, wet vaginal smear and culture in Cystein-Peptone-Liver Maltose medium better than Papanicolaou smear

Diagnosis, Protozoa
Coutinho, E.; and Coelho, M. V., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (1), 12-29
Leishmania braziliensis, L. mexicana, L. tropica, experimental infections in laboratory animals, comparative pathology, characteristics for differential diagnosis

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

Diagnosis, Protozoa
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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
Cursons, R. T.; Brown, T. J.; and Keys, E. A., 1978, N. Zealand J. Med. Lab. Tech., v. 32 (1), 11-14
primary amoebic meningo-encephalitis, humans, differential diagnosis and identification of aetiologic agents

Diagnosis, Protozoa
Daneshbod, K., 1978, Am. J. Clin. Path., v. 69 (4), 462-467
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
Das, S. R., 1975, New Approaches Ident. Microorgan., 451-458
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
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Pneumocystis carinii, human, diagnosis, correlation between radiologic and pathologic findings, usefulness of chest radiography in determining significance of infections

Diagnosis, Protozoa
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amebiasis, new methods of diagnosis and treatment with emphasis on the indirect hemagglutination test and metronidazole

Diagnosis, Protozoa
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human malarias and amoebiasis, brief review of current diagnostic methods

Diagnosis, Protozoa
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Plasmodium, diagnosis, advantages of Errecart's modified technique for making thick blood films

Diagnosis, Protozoa
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amoebiasis, echinococcosis, humans, hepatic lesions diagnosed by means of scintiangiographic patterns

Diagnosis, Protozoa
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Plasmodium spp., diagnosis using borax methylene blue, spectroscopic and staining data

Diagnosis, Protozoa
Doppman, J. L.; Geelhoed, G. W.; and De Vita, V. T., 1975, Radiology, v. 114 (1), 39-44
Pneumocystis carinii pneumonia, humans, atypical radiographic features discovered in over 50% of patients with known infections, since few X-rays can completely exclude this infection biopsy also may be necessary

Diagnosis, Protozoa
Doroshenko, M. A.; and Pinchuk, L. E., 1978, Biol. Moria, Vladivostok (3), 88
Microsporidia, mucous glands in olfactory epithelium of some marine fishes are distinguishable morphologically and histochemically from epithelial cells affected by parasites

Diagnosis, Protozoa
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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 Muehlpfordt, H., 1978, Tropenmed. u. Parasitol., v. 29 (1), 115-118
Trypanosoma cruzi and other Trypanosoma spp., protein typing by disc electrophoresis

Diagnosis, Protozoa
Erber, M., 1977, Berl. u. Munchen. Tierarztl. Wchnschr., v. 90 (24), 480-482
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
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protozoa, techniques for microscopical diagnosis

Diagnosis, Protozoa
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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
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amoebiasis, human intestinal, teclozan for both diagnostic and therapeutic purposes in instances of diagnostic problems and persistent chronic infections, case reports

Diagnosis, Protozoa
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human vaginitis, diagnosis of Trichomonas vaginalis in women attending a health clinic, differentiation from gonorrhoeal and fungal infections: Kingston, Jamaica

Diagnosis, Protozoa
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E[ntamoeba] histolytica, humans, review of currently available diagnostic methods (fecal examination, search for trophozoites in body exudates and fluids, seroimmunologic methods)

Diagnosis, Protozoa
Franjola T., R.; et al., 1979, Rev. Med. Chile, v. 107 (5), 419-421
Trichomonas vaginalis, women, diagnosis, urine vs. vaginal smears: Chile

Diagnosis, Protozoa
Gabaldon, A.; and Ulloa, G., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 311-312
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
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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
Giordano, C.; et al., 1977, Ann. Soc. Belge Med. Trop., v. 57 (4-5), 213-225
African trypanosomiasis, humans, diagnosis (radiology, electroencephalography, immunofluorescence, immunoelectrophoresis, electrophoresis)

Diagnosis, Protozoa
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identification of morphologically similar trypanosomes of mammals

Diagnosis, Protozoa
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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
Goncalves de Lima, V. M. Q.; Roitman, I.; and Kilgour, V., 1979, J. Protozool., v. 26 (4), 648-652
trypanosomatids, 7 species distinguished by electrophoretic mobilities of some isoenzymes

Diagnosis, Protozoa
Gordon, F.; et al., 1973, Radiology, v. 108 (1), 359-361
human hepatic amoebiasis, comparison of colloidal and ionic ^{113m}In in differential diagnosis from neoplasms

Diagnosis, Protozoa
Greig, W. A.; et al., 1979, Brit. Vet. J., v. 135 (2), 130-141
Trypanosoma congolense, T. vivax, cattle, factors affecting blood sampling for parasitemia and anemia (diurnal variation; ear-vein vs. jugular-vein blood): The Gambia

Diagnosis, Protozoa
Guelfi, J. F., 1978, Comp. Immunol., Microbiol. and Infect. Dis., v. 1 (1-2), 77-82
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
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Tritrichomonas 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
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Trypanosoma lewisi, blood and culture forms, T. conorhini, culture forms, isolation of DNA by 2 methods, characterization by GC base composition

Diagnosis, Protozoa
Hendricks, L.; and Wright, N., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 962-964
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
Henry, S. C., 1979, J. Am. Vet. Med. Ass., v. 174 (6), 601-603
Eperythrozoon suis, swine, clinical signs of infection confirmed by indirect hemagglutination and measuring packed cell volume; oxytetracycline and arsanilic acid combined with lice control, arsenic toxicosis

Diagnosis, Protozoa
Hinaidy, H. K.; et al., 1979, Wien. Tierarztl. Monatsschr., v. 66 (5), 181-184
Sarcocystis spp., cattle, monthly occurrence, localization, diagnosis: Osterreich

Diagnosis, Protozoa
Hoffman, E. O.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 29-38
primary amebic meningoencephalitis, human (brain, pancreas), clinical findings, postmortem studies, electron microscopy, immunohistologic studies, evidence slightly more indicative of Acanthamoeba than Naegleria infection: Louisiana

Diagnosis, Protozoa
Howard, R. J.; Battye, 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 Hoechst, possible 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 Venerol. (9), 12-14
trichomoniasis, women and their sexual partners, culture diagnosis superior to staining methods

Diagnosis, Protozoa
Ikai, T.; et al., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (5), 314-322
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 ^{99m}technitium citrate as a liver scanning agent

Diagnosis, Protozoa
Iyngkaran, N.; Lee, E. L.; and Robinson, M. J., 1978, Scand. J. Infect. Dis., v. 10 (3), 243-246
Giardia lamblia, children, single dose treatment with tiberal, effective in all children treated; diagnosis by mucosal imprint, examination of stools, duodenal juice, or jejunal biopsy material compared, mucosal imprint method most reliable: Malaysia

Diagnosis, Protozoa
Joshua, R. A.; Herbert, W. J.; and White, R. G., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (5), 602-603 [Letter]
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 colonoscopic biopsy: Minnesota

Diagnosis, Protozoa
Kasprzak, W.; Mazur, T.; and Rucka, A., 1974, Ann. Soc. Belge Med. Trop., v. 54 (4-5), 351-357
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
Kaufman, S. M.; Seckinger, D.; and Rosen, S., 1974, South. Med. J., v. 67 (3), 370-371
Pneumocystis carinii, human, early diagnosis with lung biopsy may be lifesaving, clinical case report

Diagnosis, Protozoa
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

Diagnosis, Protozoa
Kier, A. B.; et al., 1977, Proc. 20. Ann. Meet., Am. Ass. Vet. Lab. Diagn. (Minneapolis, Minnesota, Oct. 16-18), 123-130
Cytauxzoon sp., domestic cats, diagnosis, gross and microscopic lesions

Diagnosis, Protozoa
Kisliakova, Z. I., 1970, Nauch. Trudy, Nauchno-Issled. Vet. Inst., v. 8, 124-126
Sarcocystis miescheriana, young pigs, diagnosis by compressor method

Diagnosis, Protozoa
Klanica, J., 1978, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 27 (3), 179-184
Trichomonas vaginalis, staining of vaginal smears by fluorochrome acridine orange, potential diagnostic use

Diagnosis, Protozoa
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 abdomen, differential diagnosis, surgical management, case reports

Diagnosis, Protozoa
Krogstad, D. J.; et al., 1978, Ann. Int. Med., v. 88 (1), 89-97
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
Lambrecht, A. J.; Snoeck, J.; and Timmermans, U., 1978, Lancet, London (8075), v. 1, 1206 [Letter]
Plasmodium vivax, man, transient an-alpha-lipoproteinemia during infection, lipid electrophoresis a sensitive test for diagnosis

Diagnosis, Protozoa
Le Bras, J.; and Payet, M., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (5), 552 [Letter]
Plasmodium spp., human, concentration of parasitized erythrocytes by centrifugation on Ficoll R solution, useful method when attempting to confirm doubtful diagnosis

Diagnosis, Protozoa
Lee, E. H.; and Fernando, M. A., 1977, Ztschr. Parasitenk., v. 53 (1), 129-131
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
Leeflang, P.; Buys, J.; and Blotkamp, C., 1978, Internat. J. Parasitol., v. 8 (1), 15-18
Trypanosoma vivax, cattle, evaluation of parasitological diagnostic methods (thin and thick blood smear and lymph gland smear examination, haematocrit centrifuge technique, hypotonic lysis test, mouse inoculation)

Diagnosis, Protozoa
Lee Ramos, A. F.; Aguirre Garcia, J.; and Gonzalez Montesinos, F., 1972, Rev. Med., Mexico, v. 11 (3), 188-196
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 gallinum 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
Loban, K. M.; and Polozok, E. S., 1978, Sovet. Med. (5), 59-61
human malaria, errors in diagnosing cases imported into non-endemic areas

Diagnosis, Protozoa
Lopez-Brea, M.; Iturriaga, R.; and Aparicio, M., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 348 [Letter]
Leishmania donovani, child, diagnosis using Crithidia 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, Exper. 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
Lumsden, W. H. R.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 312-317
Trypanosoma brucei, man, diagnosis using the miniature anion-exchange/centrifugation method, adaptation for field use: The Gambia

Diagnosis, Protozoa
Lundberg, Y., 1976, Scand. J. Infect. Dis., v. 8 (4), 263-265
amoebiasis, human hepatic abscess, comparison of angiography and scintography as diagnostic methods

Diagnosis, Protozoa
Martuscelli-Q., A.; Hernandez Gonzalez, A.; and Zuniga Telleria, V., 1977, Rev. Invest. Salud Pub., Mexico, v. 37 (2), 93-99
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 stabilated Trypanosoma stocks: rain forest areas, Liberia

Diagnosis, Protozoa
Melrose, T. R.; and Brown, C. G. D., 1979, Research Vet. Sc., v. 27 (3), 379-381
piroplasms isolated from bovine blood infected with Theileria annulata and T. parva, isoenzyme variation

Diagnosis, Protozoa
de Mendonca, J. S.; Amato Neto, V.; and Cotrim, J. X., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (5), 285-288
Toxoplasma gondii, human acquired lymphatic form, diagnosis by injecting infected lymphatic tissue into mice

Diagnosis, Protozoa
Michael, S. A.; and El Refaii, A. H., 1977, Bull. Animal Health and Prod. Africa, v. 25 (3), 229-231
Anaplasma marginale, buffaloes, use of both capillary tube agglutination test and blood-film examination recommended for survey and diagnostic purposes: Egypt

Diagnosis, Protozoa
Migasena, P.; et al., 1978, Ann. Trop. Med. and Parasitol., v. 72 (1), 3-12
human acute falciparum malaria, changes in serum protein patterns studied using polyacrylamide gel electrophoresis, other blood biochemical parameters

Diagnosis, Protozoa
Migasena, P.; et al., 1979, Ann. Trop. Med. and Parasitol., v. 73 (4), 355-361
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
Minter-Goedbloed, E., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (1), 22-30
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
Minter-Goebloed, E.; Minter, D. M.; and Marshall, T. F. de C., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 217-225
Trypanosoma cruzi, detection in mice, humans, and Didelphis azarae, acute and chronic infections, xenodiagnosis vs. haemoculture, quantitive comparison

Diagnosis, Protozoa
Molyneux, D. H., 1973, Ann. Soc. Belge Med. Trop., v. 53 (6), 605-618
Gambian trypanosomiasis, evidence for existence of animal reservoirs of Trypanosoma brucei gambiense reviewed; use of modified blood incubation infectivity test for diagnosis of T. brucei subspp. suggested; recommendations for long-term study of man and various animal groups as sources of various strains

Diagnosis, Protozoa
Molyneux, D. H.; and Bafort, J. M., 1971, Ann. Soc. Belges Med. Trop. Parasitol., v. 51 (3), 335-348
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, Protozoa
Momen, H.: Chance, M. L.; and Peters, W., 1979, Ann. Trop. Med. and Parasitol., v. 73 (3), 203-212
Babesia spp., human and animal strains and Anthemosoma garnhami, taxonomic differentiation using biochemical methods (variation in mobility of parasite enzymes on starch gels after electrophoresis, measurement of buoyant densities of DNA)

Diagnosis, Protozoa
de Morais, J. A. D.; and Medina, E., 1976, Ann. Soc. Belge Med. Trop., v. 56 (6), 449-458
amoebic abscess, human hepatic, visualization by tomographic scans after injection of triiodide benzoic acid, useful for diagnosis and treatment evaluation

Diagnosis, Protozoa
Moralev, L. N.; and Moskalev, V. G., 1973, Parazitologiia, Leningrad, v. 7 (4), 377-378
Lamblia, use of PAS reaction for identification in histological sections of host intestine

Diagnosis, Protozoa
Morzaria, S. P.; and Brocklesby, D. W., 1977, Ztschr. Parasitenk., v. 52 (3), 241-243
Babesia major vermicules from Haemaphysalis punctata haemolymph and B. bigemina vermicules from Boophilus microplus haemolymph, length as differential diagnostic criterion

Diagnosis, Protozoa
Mott, K. E., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 320 [Letter]
Trypanosoma cruzi, blood cultures using vacuum culture tubes, may be useful tool for parasite isolation in areas endemic for Chagas' disease

Diagnosis, Protozoa
Mourao, O. G.; and Milio, O. C., 1975, Rev. Soc. Brasil. Med. Trop., v. 9 (4), 183-188
Trypanosoma cruzi, method of processing blood cultures for use in diagnosis of chronic phase of Chagas disease

Diagnosis, Protozoa
Murray, M.; Clifford, D. J.; and McIntyre, W. I. M., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (1), 120-121 [Letter]
bovine African trypanosomiasis, usefulness of diagnosis by blood buffy coat examination by darkground microscopy, suggestions for planning of epidemiologic studies

Diagnosis, Protozoa
Muzzio, P. C.; Maffessanti, M.; and Pescarini, L., 1975, Quad. Radiol., v. 40 (2), 121-128
human lymphatic toxoplasmosis, differential diagnosis using lymphography, clinical case reports

Diagnosis, Protozoa
Naik, S. R.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (1), 43-45
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
Naik, S. R.; Rau, N. R.; and Vinayak, V. K., 1978, Ann. Trop. Med. and Parasitol., v. 72 (5), 491-492
Giardia lamblia, human, comparative evaluation of diagnostic techniques (examinations of 3 stool samples, jejunal aspirate, and jejunal mucosal impression smears)

Diagnosis, Protozoa
Neal, R. A.; and Miles, R. A., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (3), 170-176
Trypanosoma cruzi, mice, detection of 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
Ou Tim, L.; Segal, I.; and Hodkinson, H. J., 1979, South African Med. J., v. 55 (5), 179-184
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 tissues, used to locate Nosema sp. in Lymnaea rubiginosa snails and Tracheophilus sp. rediae

Diagnosis, Protozoa
Pandey, N. N.; and Mishra, S. S., 1978, Indian Vet. J., v. 55 (2), 139-143
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

Diagnosis, Protozoa
Pena Yanez, A.; et al., 1972, Rev. Clin. Espan., v. 124 (4), 405-412
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, P., 1979, Med. Trop., v. 39 (6), 665-673
amoebic liver abscesses, humans, echography in diagnosis, treatment and surveillance, especially useful in tropical areas

Diagnosis, Protozoa
Pifer, L. L.; and Woods, D. R., 1978, Am. J. Clin. Path., v. 69 (4), 472-473 [Letter]
Pneumocystis carinii, value of toluidine blue "O" stain compared to modified Gomori's stain for diagnosis of pneumonitis

Diagnosis, Protozoa
Pintozzi, R. L., 1978, J. Clin. Path., v. 31 (8), 803-805
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
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

Diagnosis, Protozoa
Premvati, 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
Quaderi, 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
Quintal Aviles, R.; Zavala Velazquez, J.; and Rodriguez Lopez, M., 1975, Rev. Invest. Clin., v. 27 (4), 255-258
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
Rev. Med. Chile, 1978, v. 106 (4), 319-331
Entamoeba histolytica, current status of human amoebiasis (physiopathology, clinical forms, diagnosis, treatment, epidemiology), anniversary presentation at the Academy of Medicine of Chile

Diagnosis, Protozoa
Rev. Prat., Paris, v. 27 (37), 1977, 2341-2409
Plasmodium spp., issue devoted to current status of human malarias with discussion on: 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
Rollinson, D.; Joyner, L. P.; and Norton, C. C., 1979, Parasitology, v. 78 (3), 361-367
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 benzoquate resistance between resistant and sensitive lines of these parasites

Diagnosis, Protozoa
Rosol, M.; Havel, V.; and Andrys, J., 1973, Sborn. Ved. Praci Lek. Fak. Karlovy Univ. Hradci Kralove, Suppl., v. 15 (2), 141-144
Trichomonas, human, differential diagnosis, discussion of possible involvement in precancerous lesions and carcinomas of the cervix uteri

Diagnosis, Protozoa
Roumy, G.; et al., 1978, Rev. Franc. Gastro-Enterol. (139), 41-48
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
Russo, A.; et al., 1973, Rassegna Internaz. Clin. e Terap., Napoli, v. 53 (9), 528-535
human lymphatic toxoplasmosis, differential diagnosis, case reports, clinical aspects

Diagnosis, Protozoa
Rutherfoord, G. S.; and Uys, C. J., 1978, South African Med. J., v. 53 (18), 716-718
cutaneous leishmaniasis, 54-year-old woman, microscopical 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
Sargeaunt, P. G.; and Williams, J. E., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (2), 164-166
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
Sargeaunt, P. G.; Williams, J. E.; and Grene, J. D., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (5), 519-521
Entamoeba histolytica, differentiation of invasive and non-invasive forms by isoenzyme electrophoresis

Diagnosis, Protozoa
Sarphie, T. G.; and Allen, D. J., 1978, Health Lab. Sc., v. 15 (4), 235-241
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 (2), 128-133
Entamoeba histolytica, human, diagnosis, comparison of microscopic, cultural, counterimmunoelectrophoresis, and indirect hemagglutination techniques

Diagnosis, Protozoa
Sherkov, S. N.; Leitch, B.; and El Rabie, Y., [1977], Egypt. J. Vet. Sc., v. 13 (1), 1976, 45-51
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
Shkurovich, M.; et al., 1974, Rev. Med. Hosp. Gen., Mexico, v. 37 (4), 215-227
human hepatic amoebic abscess, diagnosis, ultrasound

Diagnosis, Protozoa
Silard, R.; et al., 1977, Arch. Roumaines Path. Exper. et Microbiol., v. 36 (1), 55-60
E[ntamoeba] 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
Sirotzky, L.; et al., 1978, J. Am. Med. Ass., v. 240 (14), 1513-1515
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
Staak, C., 1977, 3. Externe Veterinartagung, Ber. u. Arbeitsergebn. (40), 193-207
trypanosomiasis, several diagnostic methods evaluated under laboratory and field conditions

Diagnosis, Protozoa
Stoessel, F. R.; and Haberkorn, S. E. M., 1978, Gac. Vet., Buenos Aires (327), v. 40, 24-32
Trichomonas foetus, Aberdeen Angus bulls (exper.), efficiency of different culture media for diagnosis

Diagnosis, Protozoa
Stoskopf, M. K.; and Beier, J., 1979, J. Am. Vet. Med. Ass., v. 175 (9), 944-947
Plasmodium relictum, P. elongatum in Spheniscus demersus, diagnostic methods evaluated, chloroquine phosphate and primaquine phosphate therapy: Baltimore Zoo

Diagnosis, Protozoa
Suh, M. D.; and Hoyte, H. M. D., 1977, Korean J. Vet. Research, v. 17 (2), 51-61
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-enterol., v. 17 (6), 373-382
identification of gallbladder bile during duodenal intubation, includes information on diagnosis of human lambliasis

Diagnosis, Protozoa
Sulzer, A. J.; et al., 1979, Am. J. Clin. Path., v. 72 (2), 225-229
Toxoplasma gondii, woman (lung tissue), postmortem diagnosis by electron microscopic fine-structural analysis, case report

Diagnosis, Protozoa
Tadros, W.; and Laarman, J. J., 1978, Proc. K. Nederl. Akad. Wetensch., s. C, Biol. and Med. Sc., v. 81 (4), 469-491
Sarcocystis spp., structure of muscle cyst walls, comparative study, light and electron microscopy, useful but not infallible tool for recognizing different species

Diagnosis, Protozoa
Tedesco, L. F.; Errico, F.; and Del Baglivi, L. P., 1979, Austral. Vet. J., v. 55 (7), 322-324
Tritrichomonas 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
Thomas, G. E.; Goldsmid, J. M.; and Wicks, A. C. B., 1974, South African Med. J., v. 48 (53), 2219-2220
Giardia lamblia, humans, diagnosis, enterotest duodenal capsule vs. stool examination or jejunal aspirate obtained by jejunal biopsy

Diagnosis, Protozoa
Thong, Y. H.; Ferrante, A.; and Shepherd, C., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (2), 207-209
Naegleria fowleri, differentiation from N. gruberi by comparison of phagocytic behavior towards baker's yeast

Diagnosis, Protozoa
Tippit, T. S., 1978, Southwest. Vet., v. 31 (2), 97-104
Trypanosoma cruzi in dogs, review of etiology, pathogenesis, disease syndrome, macro- and microscopic findings, clinical features, diagnosis, treatment with Bayer 2502, and public health significance: Texas

Diagnosis, Protozoa
Torres Briones, G.; and Manzano Sierra, C., 1973, Rev. Med., Mexico, v. 12 (2), 149-157
amoebiasis, children suspected to have invasive infection of the colon, radiologic diagnosis

Diagnosis, Protozoa
Tozer, R. A., 1978, Trop. Doctor, v. 8 (3), 114-118
bone marrow aspiration, diagnostic technique for Leishmania donovani and other blood dyscrasias

Diagnosis, Protozoa
Ugarte, G.; Apt, W.; and Faiguenbaum, J., 1977, Rev. Med. Chile, v. 105 (3), 176-178
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 daraprim: Chile, had made recent visit to Brazil

Diagnosis, Protozoa
Van Meirvenne, N.; et al., 1973, Ann. Soc. Belge Med. Trop., v. 53 (2), 109-122
Trypanosoma gambiense, T. rhodesiense, detection in human blood using column separation and membrane filtration

Diagnosis, Protozoa
Van Meirvenne, N.; et al., 1975, Ann. Soc. Belge Med. Trop., v. 55 (5), 545-549
gambian and rhodesian sleeping sickness, humans, serological and parasitological diagnostic methods, review

Diagnosis, Protozoa
Van der Vorst, E.; and Jacobs, F. J., 1978, Vlaams Diergeneesk. Tijdschr., v. 47 (3), 260-266
Nosema apis spores, differential diagnosis in pollen by lugol staining

Diagnosis, Protozoa
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

Diagnosis, Protozoa
Viana, R. L.; Rego, A.; and Antunes Dias, F. A., 1974, South African Med. J., v. 48 (3), 96-100
amoebiasis, human hepatic abscess, scanning and selective hepatic arteriography for diagnosis and differential diagnosis

Diagnosis, Protozoa
Vickerman, K., 1978, Tr. Am. Micr. Soc., v. 97 (4), 485-502
trypanoplasm-like flagellates, free-living, possibly mistakenly identified as trypanosomes and Trichomonas, potential cause of confusion in diagnosis of human and animal diseases

Diagnosis, Protozoa
Voelker, F. A.; et al., 1978, Vet. Path., v. 15 (1), 40-48
Kudoa [sp.] in Chaetodon (skeletal muscle), ultrastructure, light and electron microscopy, differential diagnosis

Diagnosis, Protozoa
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Theileria spp., rapid quantitative assessment of infection in ticks, simplified method for methyl green pyronin staining of salivary glands

Diagnosis, Protozoa
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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

Diagnosis, Protozoa
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

Diagnosis, Trematoda
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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

Diagnosis, Trematoda
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fluke infections, human, geographic distribution, clinical aspects, need for differential diagnostic considerations in travellers, immigrants, and military personnel

Diagnosis, Trematoda
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Schistosoma mansoni, cercarial chaetotaxy, comparison of 14 strains from 4 hosts (man, Erythrocebus patas, white mice, and wild rats), variation allows differentiation of strains of human vs. murine origin during epidemiological investigations

Diagnosis, Trematoda
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Diagnosis, Trematoda
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Diagnosis, Trematoda
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Diagnosis, Trematoda
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Diagnosis, Trematoda
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S[chistosoma] mansoni, human, evaluation of laparoscopy for diagnosis of hepatic schistosomiasis, recommended as adjunct to standard methods

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Diagnosis, Trematoda
Cocheton, J. J.; and Poulet, J., 1972, Semaine Hop. Paris, v. 48 (24), 1709-1717
Schistosoma haematobium, humans, genito-urinary infections, radiologic diagnostic methods, case reports: African immigrant workers in France

Diagnosis, Trematoda
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S[chistosoma] mansoni, humans, comparative study of Lutz sedimentation technique, Kato thick-smear and Simoes Barbosa egg-counting technique for diagnosis; Kato method found to be simple, inexpensive and of the highest sensitivity of the 3 tests

Diagnosis, Trematoda
Dubey, J. P.; et al., 1978, J. Am. Vet. Med. Ass., v. 173 (6), 734-742
Paragonimus kellicotti, cats (exper.), clinical signs, clinicopathologic data, radiologic findings, fecal diagnosis, necropsy findings

Diagnosis, Trematoda
El-Sewedy, S. M.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (5), 525-528
bilharziasis, human, α-esterase activity in serum and urine, latter recommended as screening test for bilharzial bladder cancer

Diagnosis, Trematoda
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Ancylodiscoides spp., reliable criterion for identification is shape of individual chitinoid parts of haptor, and of copulatory organ

Diagnosis, Trematoda
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digenetic trematodes of marine fishes, allometric growth, diagnostic usefulness in taxonomic studies: off coast of Belize

Diagnosis, Trematoda
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Diagnosis, Trematoda
Galvez Rodriguez, A.; et al., 1976, Rev. Cubana Med., v. 15 (1), 7-12
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Diagnosis, Trematoda
al-Ghorab, M. M.; et al., 1978, Urology, v. 11 (3), 303-305
schistosomiasis, human, bilharzial contracted bladder, radiological findings, calcifications

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identification of economically important parasites (use of anatomical, biochemical, and behavioral tests), brief review

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human hepatosplenic schistosomiasis, radiographic diagnosis of gastric varices resulting from portal hypertension, interpretation of contrast films of the stomach

Diagnosis, Trematoda
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Diagnosis, Trematoda
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human hepatosplenic schistosomiasis mansoni, radiographic diagnosis of gastric varices resulting from portal hypertension

Diagnosis, Trematoda
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schistosomiasis, humans, criteria used for diagnosis in endemic bilharzial areas (egg recovery, rectal biopsy, eosinophilia, hepatomegaly, serologic and skin test), rational proposal for treatment

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Hidayatalla, A.; Abdel Rahman, I.; and Omer, A. H. S., 1972, Sudan Med. J., v. 10 (1), 45-53
Bilharzia mansoni, human hepatic fibrosis, hepatic scanning reveals features of diagnostic and prognostic significance

Diagnosis, Trematoda
Huemmer, N.; and Braun, H., 1978, Roentgen-Berichte, v. 7 (2), 191-196
Schistosoma haematobium of human urinary tract, diagnostic procedures, typical changes seen on X-ray and cystoscopy, case report

Diagnosis, Trematoda
Huggins, D., 1971, Rev. Soc. Brasil. Med. Trop., v. 5 (6), 333-347
Schistosoma mansoni, human hepatosplenic form, comparison of rectal biopsy and stool examinations for diagnosis

Diagnosis, Trematoda
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Cyclocoelum mutabile, C. obscurum, morphological characteristics, separable species

Diagnosis, Trematoda
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Diagnosis, Trematoda
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Schistosoma japonicum-like ova, humans, incidental histological findings in liver and rectal biopsies, Filipino and Chinese immigrants to Sabah, Malaysia

Diagnosis, Trematoda
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helminthiasis, humans, typical errors in diagnosing and treating acute and chronic infections, especially hormone administration prior to diagnosis, case reports, management

Diagnosis, Trematoda
Keller, H., 1978, Schweiz. Arch. Tierh., v. 120 (4), 189-193
Dicrocoelium dendriticum, F[asciola] hepatica, cattle, glutamate-dehydrogenase and L-γ-glutamyl-transferase activities in sera, compared with cattle not showing macroscopic visceral lesions

Diagnosis, Trematoda
Khotenovskii, I. A., 1975, Parazitologiia, Leningrad, v. 9 (1), 17-27
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

Diagnosis, Trematoda
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Diagnosis, Trematoda
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Diagnosis, Trematoda
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schistosomiasis, recent advances in fecal examination technique, rectal biopsy, intradermal test, and serological reactions, review

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Mahon, R. J.; and Shiff, C. J., 1978, J. Parasitol., v. 64 (2), 372-373
Schistosoma haematobium, S. mattheei, differentiation of cercariae emerging from Bulinus snails by separation of phosphoglucomutase bands by starch gel electrophoresis

Diagnosis, Trematoda
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opisthorchiasis, humans, differential diagnosis

Diagnosis, Trematoda
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Strigeidida, analysis of criteria for generic differentiation at the stage of cercaria, metacercaria, and adult

Diagnosis, Trematoda
Odening, K.; Bockhardt, I.; and Graefner, G., 1979, Zool. Jahrb., Jena, Abt. Syst., v. 106 (2), 214-241
Paramphistomum spp., morphology and development of larval stages, variation and species differentiation, intermediate host specificity

Diagnosis, Trematoda
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Posthodiplostomum minimum, host induced morphological variations (testes number, size, and shape; ovary measurements and position; vitelline gland distribution; egg size); due to lack of host specificity as well as overlap of egg and body sizes of species of Posthodiplostomum, it is apparent that several reported species are not valid

Diagnosis, Trematoda
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urinary bilharziasis, African workers living in Paris, 350 cases, diagnosis

Diagnosis, Trematoda
Phillips, J. F.; et al., 1975, Radiology, v. 114 (1), 31-37
human schistosomiasis, radiology, evaluation of patients preoperatively and assessment of pathologic changes in advanced stages of infection

Diagnosis, Trematoda
Polderman, A. M.; and Deelder, A. M., 1977, Acta Leidensia, v. 45, 21-29
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

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Ramos, S. F., 1973, Rev. Cien. Med., Univ. Lourenco Marques, s. A, v. 6 (2), 187-197
Schistosoma haematobium, survey of cadavers for evidence of latent symptomless infection, cutaneous localization of eggs varied with sex and age of hosts

Diagnosis, Trematoda
Richard, J.; and Jourdane, J., 1978, Ann. Parasitol., v. 53 (6), 607-615
Microphallus gracilis, Maritrema pyrenaica, cercariae, comparison of chetotaxy, Microphallus and Maritrema can be separated on this basis: Fenouillet, Pyrenees-Orientales

Diagnosis, Trematoda
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Schistosoma bovis strains, S. mattheei, S. margrebowiei, S. leiperi, isoenzymes compared by isoelectric focusing, technique for further studies of inter- and intraspecific relationships

Diagnosis, Trematoda
Rousset, J. J.; Pasticier, A.; and Menager, C., 1975, Ann. Soc. Belge Med. Trop., v. 55 (5), 395-401
urinary bilharziasis, human, diagnosis by rectal mucosal biopsy

Diagnosis, Trematoda
Rowlands, D. ap T.; and Clampitt, R. B., 1979, Vet. Parasitol., v. 5 (2-3), 155-175
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 diamphenethide against immature flukes

Diagnosis, Trematoda
Ruiz-Tiben, E.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 230-236
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

Diagnosis, Trematoda
Sadigursky, C. A.; de Araujo, I. M.; and Rodrigues, L. E. A., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (2), 103-108
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Diagnosis, Trematoda
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Diagnosis, Trematoda
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bilharziasis, humans, diagnosis, classical and atypical manifestations

Diagnosis, Trematoda
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Paramphistomum daubneyi, morphology, life cycle, prepatent period, geographic distribution and differences between P. daubneyi and P. microbothrium discussed: Pecs abattoir

Diagnosis, Trematoda
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Schistosoma haematobium, human genital organs, diagnosis and assessment of infections and calcifications using radiology

Diagnosis, Trematoda
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human intestinal helminths, differential diagnosis

Diagnosis, Trematoda
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Diagnosis, Trematoda
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Paragonimus westermani, humans, radiologic pulmonary changes, differentiation from tuberculosis

Diagnosis, Trematoda
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Schistosoma mansoni, humans with portal hypertension resulting from hepatosplenic involvement, comparison of diagnostic X-ray films done arterially with those done during splenorenal anastomosis

Diagnosis, Trematoda
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Schistosoma haematobium, human, intensity and prevalence of proteinuria and hematuria determined using urinalysis reagent strips, close relationship to intensity of infection suggests these parameters may have value as indications for chemotherapy, good prognosis in subjects with heavy proteinuria suggests that this urinary protein is likely to originate from lesions in lower renal tract rather than kidney: The Gambia; Egypt

Diagnosis, Trematoda
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

Diagnosis, Trematoda
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opisthorchosis, humans, diagnosis, surgical management, importance of patient history in differentiating from other surgical emergencies, case reports

Diagnosis, Xenodiagnosis
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Trypanosoma cruzi, man, xenodiagnosis, significantly more Dipetalogaster maximus showed infection than did Triatoma infestans in comparative trials

Diagnosis, Xenodiagnosis
Cuba Cuba, C. A.; et al., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (3), 145-151
Trypanosoma cruzi, human, xenodiagnosis, Dipetalogaster maximus vs. Triatoma infestans

Diagnosis, Xenodiagnosis
Cuba, C. C.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 74 (5), 524-527
Trypanosoma cruzi, xenodiagnosis of patients with serologically detectable infection using third-instar Dipetalogaster maximus, more efficient than first instar of same species or third-instar Triatoma infestans

Diagnosis, Xenodiagnosis
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

Diagnosis, Xenodiagnosis
Marsden, P. D.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (4), 649-652
first instar Dipetalogaster maximus as effective as 3rd instar Triatoma infestans used in xenodiagnosis of patients with chronic Trypanosoma cruzi, comparative experiments using pool technique for examination

Diagnosis, Xenodiagnosis
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Diagnosis, Xenodiagnosis
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Diagnosis, Xenodiagnosis
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Trypanosoma cruzi, mice, detection of experimental infections, culture methods vs. xenodiagnosis

Diagnosis, Xenodiagnosis
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Trypanosoma cruzi, xenodiagnosis, diagnostic parameters, numbers of trypomastigotes required to be ingested by triatomid bug to give rise to detectable infection

Diagnosis, Xenodiagnosis
Neves, D. P.; and Carvalho, A. L. M., 1972, Rev. Patol. Trop., v. 1 (2), 277-281
Trypanosoma cruzi-infected Triatoma infestans and T. vitticeps, use for xenodiagnostic purposes compared, T. vitticeps thought to be poor subject for actual use in diagnosis of human infections

Diagnosis, Xenodiagnosis
Perlowagora-Szumlewicz, A., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (3), 139-150
T[rypanosoma] cruzi vectors (Triatoma, Rhodnius, Panstrongylus), vector species and stage interaction in feeding behavior, application to standardization and efficacy of xenodiagnostic procedures

Diagnosis, Xenodiagnosis
Salgado, A. de A.; Mayrink, W.; and Dias, J. C. P., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (1), 36-40
Chagas disease, xenodiagnosis and complement fixation test compared: district of Bambui, Minas Gerais, Brazil

Diagnosis, Xenodiagnosis
Shelley, A. J.; et al., 1979, J. Med. Entom., v. 16 (1), 48-51
Onchocerca volvulus, human, concentration of microfilariae by Simulium sanguineum during feeding, fly gut squash method compared with skin snips for mapping parasite distribution in skin or for diagnosis: Amazonas, Brazil

Diapause. See Life cycle.

Diaphragm
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Chagas disease, comparative study of weight and metric features of diaphragm between chagasic (hypertrophic) and nonchagasic cardiopathies, autopsy study of 50 males: Brasil

Diarrhea
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parasites and other agents, diarrhea, calves, clinical aspects, etiology: Cuba

Diarrhea
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strongyle-infected ponies (nat. and exper.), disturbances of digestive motility, effect of mebendazole treatment

Diarrhea
Echeverria, P.; and Cross, J. H., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (4), 476-479
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

Diarrhea
Guerrant, R. L., 1977, Current Concepts Infect. Dis., 211-230
Entamoeba histolytica, Giardia lamblia, diarrhea, prevention and therapy, review

Diarrhea
Licois, D.; Coudert, P.; and Mongin, P., 1978, Ann. Recherches Vet., v. 9 (1), 1-10
Eimeria intestinalis, E. pellerdyi, rabbits (exper.), changes in water metabolism in diarrhoeic hosts

Diarrhea
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

Diarrhea
Moon, H. W.; et al., 1978, J. Am. Vet. Med. Ass., v. 173 (5, pt. 2), 577-583
cryptosporidia and Eimeria found among other agents in newborn calves that had naturally occurring diarrheal disease: Iowa

Diarrhea
Oduye, O. O.; and Bobade, P. A., 1979, J. Small Animal Practice, v. 20 (3), 181-184
Isospora canis, kennelled dogs, outbreak of haemorrhagic diarrhoea, sulphadimidine treatment

Diarrhea
Pawlowski, Z.; and Kociecka, W., 1979, Polski Tygod. Lekar., v. 34 (47), 1853-1856
tourist diarrhea of parasitic and bacterial origins, clinical review

Diarrhea
Pohlenz, J.; et al., 1978, Vet. Path., v. 15 (3), 417-427
Cryptosporidium sp., calves (free in lumen and attached to epithelium of ileum), life cycle, morphology, pathology, diarrhea, transmission and scanning electron microscopy

Diarrhea
Ranta, J. M., 1978, West. Veterinarian, v. 16 (3), 15-19
differential diagnosis of acute diarrheal disease of foals

Diarrhea
Rihal, R., 1979, Bull. G.T.V. (3), 23-26
ostertagiasis, oesophagostomiasis, and other factors in chronic diarrhea of cattle: Normandy

Diarrhea
Sangster, L. T.; et al., 1978, Vet. Med. and Small Animal Clin., v. 73 (10), 1317-1319
coccidiosis, baby pigs, cause of scours, clinical and pathologic features, treatment with amprolium: southern Georgia

Diarrhea
Sangster, L. T.; Seibold, H. R.; and Mitchell, F. E., 1976, Proc. 19. Ann. Meet., Am. Ass. Vet. Lab. Diagn., 51-55
Coccidia, suckling pigs 5-14 days old (intestines), diarrhea, histopathology: southern Georgia; northern Florida

Diarrhea
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

Diarrhea
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

Diarrhea
Tomkins, A. M., 1979, Trop. Doctor, v. 9 (1), 21-24
role of intestinal parasites in human diarrhea and malnutrition: mechanisms of diarrhea, malabsorption, pathology and clinical symptoms, control

Diarrhea
Tudor, R. B., 1978, N. England J. Med., v. 299 (26), 1471-1472 [Letter]
Giardia lamblia, 8 1/2-year-old boy, cause of exercise-induced diarrhea

Diet and nutrition. [See also Vitamins]

Diet and nutrition, Host
Ajayi, S. A.; Wilson, A. J.; and Campbell, R. S. F., 1978, Research Vet. Sc., v. 25 (1), 76-81
Anaplasma marginale, Brahman-cross steers (exper.), maintained on two nutritional planes, clinico-pathological studies

Diet and nutrition, Host
Akpom, C. A., 1978, Trop. and Geogr. Med., v. 30 (2), 219-225
Schistosoma mansoni, mice, oogram as sensitive method of assessing effect of host malnutrition on parasite

Diet and nutrition, Host
Armstrong, E., 1978, J. Invert. Path., v. 31 (3), 303-306
Nosema whitei-infected Tribolium castaneum, growth and mortality when fed vitamin B-complete vs. -deficient diets

Diet and nutrition, Host
Armstrong, E., 1979, Ztschr. Parasitenk., v. 59 (1), 27-29
Nosema whitei-infected Tribolium castaneum, relationship between body weight gains and food consumption

Diet and nutrition, Host
Becker, W.; and Lueth, W., 1977, Ztschr. Parasitenk., v. 53 (1), 109-113
Schistosoma mansoni-infected Biomphalaria glabrata, ketone body metabolism as compared with that of starved snails

Diet and nutrition, Host
Berry, C. I.; and Dargie, J. D., 1978, Vet. Parasitol., v. 4 (4), 327-339
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Diet and nutrition, Host
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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

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Fasciola hepatica, sheep (exper.) given hay or hay plus pelleted supplement, feed intake and digestibility, body weight and nitrogen balance

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Diet and nutrition, Host
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Diet and nutrition, Host
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Fasciola hepatica, sheep (exper.) on diets with 2 different levels of protein content, serum protein levels, numbers of worms established and reaching maturity

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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

Diet and nutrition, Host
Eckman, J. R.; et al., 1976, Tr. Ass. Am. Physicians, v. 89, 105-115
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Diet and nutrition, Host
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Cystidicola cristivomeri, presence in Salvelinus alpinus (swim bladder) as indicator of char feeding habits and as possible means of demonstrating that some char remain in lake for extended periods rather than migrating regularly to sea: Stanwell-Fletcher Lake, Somerset Island, N.W.T.

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Asymphylodora kubanicum, occurrence in Bithynia tentaculata (intermediate host) and Rutilus rutilus (intestine) (definitive host), seasonal variation, age of definitive host; annual cycle of occurrence and maturation in roach due primarily to host feeding habits and water temperature: Worcester-Birmingham canal 1 km south of Stoke Works, Bromsgrove

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Diet and nutrition, Host
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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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ascariasis, children, treatment of mild infections produced no evidence of improved intestinal function or nutritional status, and had no impact on anthropometric measures: Addis Ababa, Ethiopia

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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, Cameroun

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Gingrich, R. E., 1979, J. Parasitol., v. 65 (2), 288-292
Cuterebra fontinella, susceptibility of Peromyscus leucopus in relation to host age, dietary levels of vitamin A, and previous infestation history

Diet and nutrition. Host
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human parasites, necessity of fecal examination and deworming for maximum effect of supplementary feeding program on growth of pre-school children

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Horton, G. M. J., 1977, J. Animal Sc., v. 46 (4), 891-895
Trichostrongylus colubriformis, performance of lambs prone to nutritional muscular dystrophy, treatment with vitamin E and selenium

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Diet and nutrition, Host
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Ascaris suum-infected guinea pigs fed diets varying in vitamin C content, levels of vitamins C and B_2 in some organs, organ weights

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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

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Trichostrongylus colubriformis, guinea pigs, primary and secondary infections, skeletal muscle protein catabolism, comparison with uninfected animals fed quantitatively reduced rations, catabolism which was depressed in all 3 groups was directly related to fall in food consumption

Diet and nutrition, Host
Kechik, I. T.; and Sykes, A. H., 1979, Brit. J. Nutrition, v. 42 (1), 97-103
Eimeria acervulina, chicks (exper.), stress of intestinal infection results in depletion of ascorbic acid in blood plasma and tissues, addition of dietary ascorbic acid prevents depletion

Diet and nutrition, Host
Laudanna, A. A.; et al., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (4), 222-226
Strongyloides stercoralis, man, massive infection with resulting intestinal loss of protein and malnutrition, recovery after treatment of parasitosis, nutritional importance of parasite in endemic areas discussed

Diet and nutrition, Host
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Diet and nutrition, Host
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Diet and nutrition, Host
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Ascaris lumbricoides and/or Giardia lamblia, children, marked impairment of vitamin A absorption

Diet and nutrition, Host
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Eimeria tenella, chicks, carbohydrate in host diet, effect on infection

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helminths, weaned Zebu calves reared extensively on Jaragua grass, different schemes of treatment, effect of anthelmintic treatment on host growth seems to be conditioned to environmental conditions, especially nutrition

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parasitism, ruminants, influence on utilization of nutrients, timing of treatment, milk production, reproduction, review

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Trichocephalus suis, swine (exper.), effect of dietary iron and copper salts on course of infection

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gastro-intestinal parasites, sheep, influence of diet and parasitism on some blood components

Diet and nutrition, Host
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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 cosurvival of host and two parasites: Anjouan, Comorro archipelago

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Nematodirus and other nematodes, sheep, effects of addition of trace elements to phenothiazine-cupric sulfate mixture: Tselinogradsk oblast

Diet and nutrition, Host
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Moniliformis dubius-infected vs. uninfected rats fed isoenergetic diets containing varying amounts of starch, host and parasite growth

Diet and nutrition, Host
Niedernostheide, F.; et al., 1979, Zentralbl. Vet.-Med., Reihe B, v. 26 (7), 527-539
Ascaris suum, rats (exper.), effect of isoenergetic fat diets on resistance, immunological and endocrine parameters

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

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Trypanosoma brucei-infected immunized and non-immunized rabbits maintained on diets with different levels of copper, growth and carcass performance, blood constituents

Diet and nutrition, Host
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body build and nutritional status of three ethnic groups inhabiting same locality, effects of infections including malaria, Schistosoma haematobium and hookworm: Northern Nigeria

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Owen, D., 1978, Lab. Animals, v. 12 (2), 49-50
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

Diet and nutrition, Host
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
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Nosema apis, drones, influence of host diet on development

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Poelvoorde, J.; and Berghen, P., 1978, Vlaams Diergeneesk. Tijdschr., v. 47 (5), 373-387
Oesophagostomum dentatum, pigs (exper.) on low-protein diet, blood changes, weight differences

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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

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Diet and nutrition, Host
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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

Diet and nutrition, Host
Rinderer, T. E.; and Elliott, K. D., 1977, J. Econom. Entom., v. 70 (4), 431-433
Nosema apis in Apis mellifera (exper.), influence of proteinaceous diet (pollen or pollen substitute) on worker bee longevity associated with infection, potential of protein feeding as component in standardized test of honey bee response to Nosema infection

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Rougereau, A.; Lasnier, H.; and N'Diaye, A. M., 1977, Med. et Nutrition, v. 13 (6), 473-475
oxyures, mice, thiabendazole, drug efficacy highest in hosts on a hyperproteinic diet

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Sharma, O. P.; et al., 1979, Indian J. Med. Research, v. 69, 251-254
Plasmodium berghei, mice, effect of starvation, infection, and interactions between the two on lipid peroxide and protein levels of liver and spleen

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Silva, R. M.; Ferreira Neto, J. M.; and Sampaio, I. B. M., 1978, Arq. Escola Vet. Univ. Fed. Minas Gerais, v. 30 (3), 261-274
Haemonchus contortus, sheep (exper.), influence of diet and parasites on copper, iron, and zinc in blood serum

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helminths, Rattus rattus, relationship between natural diet and level of infection, difference between sexes: Jodhpur, India

Diet and nutrition, Host
Stewart, G. L.; Soifer, F. K.; and Stewart, J. B., 1979, J. Invert. Path., v. 33 (1), 75-80
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 nematode

Diet and nutrition, Host
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Heterakis gallinarum, chicks, effects of vitamins A, B_1, and D_2 given singly or in combination in host diet

Diet and nutrition, Host
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trichostrongylosis, dairy calves, control: rotational grazing vs. set stocking, daily removal of feces from fields, nutritional level: Kenya

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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
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Trichostrongylus vitrinus, sheep (exper.), chronic infection, food intake and body weight gains, food digestibility, body composition, bone chemistry and histology, serum constituents

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Eimeria acervulina- or Eimeria tenella-infected chickens, energy and nitrogen metabolism

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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

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role of intestinal parasites in human diarrhea and malnutrition: mechanisms of diarrhea, malabsorption, pathology and clinical symptoms, control

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Amblyomma maculatum, feeding and development, effects of vitamin and mineral deficiencies in host Rattus norvegicus diet

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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
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Diet and nutrition, Host
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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
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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
Akpom, C. A., 1978, Trop. and Geogr. Med., v. 30 (2), 219-225
Schistosoma mansoni, mice, oogram as sensitive method of assessing effect of host malnutrition on parasite

Diet and nutrition, Parasite
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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)

Diet and nutrition, Parasite
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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), 495-503
Gastromermis boophthorae, body wall, ultrastructural changes during life cycle, alkaline phosphatase activity, relationship to transcuticular uptake of nutrients

Diet and nutrition, Parasite
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Hypoderma bovis, 1st stage larvae, uptake of amino acids tagged with radioisotopes

Diet and nutrition, 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

Diet and nutrition, Parasite
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Rhabditis maupasi, axenic cultivation in chemically defined medium, nutritional (amino acid, heme, and sterol) requirements

Diet and nutrition, Parasite
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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
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Diet and nutrition, Parasite
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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

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Diet and nutrition, Parasite
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Neomesomermis flumenalis in Prosimulium mixtum/fuscum and Simulium venustum, effects of parasitism on hemolymph composition (protein, amino acid, carbohydrate), relation to nematode's nutritional requirements

Diet and nutrition, Parasite
Graf. J. F., 1978, Mitt. Schweiz. Entom. Gesellsch., v. 51 (1), 89-97
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
Halton, D. W., 1978, Parasitology, v. 76 (1), 29-37
Diclidophora 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

Diet and nutrition, Parasite
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Diet and nutrition, Parasite
Jennings, J. B., 1977, Acta Zool. Fennica (154), 63-79
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Diet and nutrition, Parasite
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Entamoeba histolytica, axenic culture, riboflavin requirement

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Mauro, N. A.; and Weinstein, P. O., 1979, Internat. J. Parasitol., v. 9 (5), 421-427
Nematospiroides dubius, Nippostrongylus brasiliensis, nutritional requirements for development of free-living stages in vitro: effects of sterols, rat hematin, and coproporphyrin; analysis of egg lipids

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Actornithophilus gracilis, Austromenopon aegialitidis, Quadraceps junceus, lapwing nestlings, correlation between number of lice and host age, food preferences of both sexes of lice, overcrowding

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Diet and nutrition, Parasite
Mied, P. A.; and Bueding, E., 1979, J. Parasitol., v. 65 (1), 25-30
Hymenolepis diminuta, glycogen synthase, parasite nutritional state, interconversion of enzyme forms, and primer glycogen molecular weight as control factors

Diet and nutrition, Parasite
Mishra, G. C.; and Dev, B., 1977, Ztschr. Parasitenk., v. 52 (1), 103-111
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

Diet and nutrition, Parasite
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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

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Fasciola hepatica, sheep (exper.) given hay or hay plus pelleted supplement, feed intake and digestibility, body weight and nitrogen balance

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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
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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

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Euzetrema 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

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Digestion, Parasite
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Plasmodium tropiduri, P. berghei, P. gallinaceum, intraerythrocytic stages, morphological and enzyme cytochemical observations on phagotrophy

Digestive system. [See also Biliary tract; Esophagus; Intestine; Mouth; Pancreas; Stomach]

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toxoplasmosis, human, gastritis, cholecystitis, colitis and other pathology involving the gastrointestinal tract

Digestive system, Host
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Enterobius vermicularis, Trichuris trichiura, Ascaris lumbricoides, children, enteric parasites modify quantitatively and qualitatively the host intestinal flora

Digestive system, Parasite
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Tremiorchis ranarum, Ganeo tigrinum, Mehraorchis ranarum, presence of only one type of epithelial cells in caeca performing both functions of secretion and absorption

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Aspiculuris pakistanica from Rattus rattus, description of cephalic region, buccal capsule, and oesophagus, distribution of nuclei in oesophagus

Digestive system, Parasite
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Schistosoma mansoni, digestive system, ultrastructure

Dimorphism. [See also Morphology; Polymorphism]

Dimorphism
Holcman-Spector, B.; Mane-Garzon, F.; and Dei-Cas, E., 1977, Rev. Biol. Uruguay, v. 5 (2), 67-76
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]

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Barbour, A. D., 1978, Math. Biosc., v. 38 (3-4), 303-312
bilharzia, stochastic version of Macdonald's model for transmission

Disease transmission
Chieffi, P. P.; et al., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (2), 86-91
human intestinal parasites, epidemiologic survey of children in orphanage for methods of transfer of infections (clothing, dust, jewelery, feces, hands, nails, bed linens): Londrina, Parana, Brazil

Disease transmission
Keymer, 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

Disease transmission, Acarina. See Vectors, Acarina.

Disease transmission, Air
Lawande, R. V.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (4), 84-88
Naegleria fowleri, children, primary amoebic meningoencephalitis, possible inhalation of airborne cysts: Northern Nigeria

Disease transmission, Animal to animal. [See also Disease transmission, Venereal]

Disease transmission, Animal to animal
Armstrong, E., 1977, Ztschr. Parasitenk., v. 53 (3), 311-315
Nosema kingi in Drosophila willistoni, transmission by either parent to offspring during copulation, more offspring became infected when copulation was delayed 2 weeks after infection of parent

Disease transmission, Animal to animal
Barretto, M. P.; Ribeiro, R. D.; and Belda Neto, F. M., 1978, Rev. Brasil. Biol., v. 38 (2), 455-459
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, Animal to animal
Bejsovec, J., 1975, Ang. Parasitol., v. 16 (2), 67-77
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

Disease transmission, Animal to animal
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helminths, transmission experiments, Rana ridibunda to Rana dalmatina

Disease transmission, Animal to animal
Brown, C. G. D.; et al., 1978, Exper. Parasitol., v. 45 (1), 55-64
Theileria parva, experiments support hypothesis that the parasite (either as an infective particle derived from Rhipicephalus appendiculatus or as a macroschizont) may become closely associated with a member of the leukocyte series and that, on inoculation of such material into cattle, subsequent development to produce East Coast fever is dependent on acceptance of these cells by the recipient

Disease transmission, Animal to animal
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

Disease transmission, Animal to animal
Casto, S. D., 1974, J. Med. Entom., v. 11 (1), 113-114
Syringophiloidus minor, laboratory evidence of nocturnal dispersal rhythm

Disease transmission, Animal to animal
Chhabra, M. B.; and Mahajan, R. C., 1978. Vet Rec., v. 103 (25), 562-563
Sarcocystis sp. from goats slaughtered at meat market, successful transmission to pups (feces) raised hygienically on meat-free diet, implications for continued transmission: India

Disease transmission, Animal to animal
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

Disease transmission, Animal to animal
Dunsmore, J. D.; and Spratt, D. M., 1979, Vet. Parasitol., v. 5 (2-3), 275-286
Filaroides osleri in wild and domestic canids (nat. and exper.), prevalence in relation to host age and sex, life history, transmission: Australia

Disease transmission, Animal to animal
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Chorioptes bovis, sheep, seasonality, pathogenicity, intra-flock transfer, analysis of semen quality of rams with scrotal lesions: [New Zealand]

Disease transmission, Animal to animal
Lehnert, T.; and Shimanuki, 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

Disease transmission, Animal to animal
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helminths of fishes harmful to humans and other animals, descriptive manual, control measures

Disease transmission, Animal to animal
Londono M., I., 1975, Rev. Colomb. Entom., v. 1 (2-3), 27-37
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
Lord, R. D., 1976, Scient. Pub. (334), Pan Am. Health Organ., 86-93
Trypanosoma hippicum, importance of bats as reservoir hosts in epidemiology of zoonoses

Disease transmission, Animal to animal
Lukashenko, N. P.; et al., 1971, Acta Parasitol. Polon., v. 19 (9-18), 151-161
Trichinella spiralis, distribution, epidemiology, transmission, review: Chukotka Peninsula

Disease transmission, Animal to animal
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flea exchange between Rhombomys opimus and Citellus fulvus studied by radioisotope tracing: Prichuisk Muyunkum

Disease transmission, Animal to animal
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

Disease transmission, Animal to animal
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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
Schaffer, G. D.; et al., 1978, J. Am. Vet. Med. Ass., v. 173 (9), 1148-1151
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
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

Disease transmission, Animal to animal
Sogorb S., F.; et al., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (3), 131-138
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
Westrom, D. R.; Nelson, B. C.; and Connolly, G. E., 1976, J. Med. Entom., v. 13 (2), 169-173
Bovicola 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 B. tibialis: California

Disease transmission, Animal to animal
Wightman, S. R.; Wagner, J. E.; and Corwin, R. M., 1978, Lab. Animal Sc., v. 28 (1), 51-54
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
Woehrl, H.; Hoerchner, F.; and Grelck, H., 1977, Arch. Lebensmittel-Hyg., v. 28 (5), 198-200
Trichinella spiralis, successful experimental transmission between ponies and rats

Disease transmission, Animal to man
Amato Neto, V.; and Levi, G. C., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (1), 41-45
Toxoplasma gondii, members and visitors of small community, pigeons as source of infection: city of Sao Paulo, Brazil

Disease transmission, Animal to man
Arnaus, V. R. S.; and Voronoff, S., 1975, Rev. Brasil. Med., v. 32 (1), 23-25
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
Dermanyssus gallinae, human, in-hospital outbreak of skin acariasis, 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
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zoonoses of cattle and carabaos, including parasitic zoonoses, review: Philippines

Disease transmission, Animal to man
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Cheyletiella yasguri infection in dogs and their owners, removal of dogs from homes and therapy with metrifonate baths exterminated mite populations: Denmark

Disease transmission, Animal to man
Bywater, J. E. C., 1979, Lab. Animals, v. 13 (2), 149-151
encephalitozoonosis, discussion of reported human cases, doubt that is is zoonotic

Disease transmission, Animal to man
Cotteleer, C.; and Fameree, L., 1978, Schweiz. Arch. Tierh., v. 120 (4), 181-187
domestic and semi-feral pigeons, survey of intestinal parasites, presence of anti-Toxoplasma antibodies in serum, possible role in epidemiology of toxoplasmosis: Belgium

Disease transmission, Animal to man
Crespi, H. G., 1975, Rev. Hosp. Ninos, Buenos Aires (67), v. 17, 172-176
review of cutaneous zooparasitosis, diagnosis, recommendations for therapy (sarna; pediculosis; Cimex lectularius; Pulex irritans; Oxiuriasis cutanea; miasis cutaneas; Pthirius inguinalis)

Disease transmission, Animal to man
Currier, R. W. II; Kinzer, G. M.; and Deshields, E., 1973, South. Med. J., v. 66 (9), 1060-1062
Dipylidium caninum, 14-month-old child, pet dog with fleas probable source of infection: Huntsville, Alabama

Disease transmission, Animal to man
Delgado Garcia, G.; and Sanchez Torres, M., 1977, Rev. Cubana Med. Trop., v. 29 (3), 121-127
T[oxoplasma] gondii, immunoserological study of humans suspected of having infections resulting from their contacts with domestic animals

Disease transmission, Animal to man
Dias, J. A. T. S., 1971, Rev. Cien. Vet., Lourenco Marques, s. B, v. 14, 145-170
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 i Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 71 (8), 509-524
catalogue of zoonoses of Taiwan, ready reference for physicians, veterinarians, and public health workers

Disease transmission, Animal to man
Elgart, M. L.; and Higdon, R. S., 1972, South. Med. J., v. 65 (3), 375-376
canine scabies, family outbreak, infection acquired from pet dog, clinical aspects

Disease transmission, Animal to man
Feld, H., 1973, Radiology, v. 108 (1), 311-312
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), 229-236
zoonosis, epidemiology, short general review of most important diseases transmissible from animals to man and from man to animals

Disease transmission, Animal to man
Glazebrook, J. S.; et al., 1978, Austral. J. Exper. Biol. and Med. Sc., v. 56 (2), 147-156
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
Goldsmid, J. M., 1974, Ann. Soc. Belge Med. Trop., v. 54 (2), 87-101
intestinal helminths, Papio ursinus, prevalence, potentially important source of infection for humans living in same general environment: Rhodesia

Disease transmission, Animal to man
Grossklaus, D., 1979, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe B, v. 168 (1-2), 83-96
zoonoses transmitted via foodstuff, control measures, review

Disease transmission, Animal to man
Guglielmino, S.; et al., [1978], Riv. Parassitol., Roma, v. 38 (2-3), 1977, 285-294
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
Gump, D. W.; and Holden, R. A., 1979, Ann. Int. Med., v. 90 (1), 58-60
Toxoplasma gondii, human, acquired chorioretinitis, pet cat possible source of infection, case report

Disease transmission, Animal to man
Herwick, R. P., 1978, Arch. Dermat., Chicago, v. 114 (1), 130 [Letter]
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
Joshua, R. A.; Herbert, W. J.; and White, R. G., 1978, Lancet, London (8066), v. 1, 724-725 [Letter]
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
Kahrs, R. F.; Holmes, D. N.; and Poppensiek, G. C., 1978, Cornell Vet., v. 68 (4), 442-459
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.; Kristensen, 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. Iugoslavica, 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
Kristensen, S.; Brandrup, F.; and Andersen, K. E., 1978, Dansk Vet.-Tidsskr., v. 61 (8), 369-375
Cheyletiella yasguri, dogs and humans exposed to dogs, case histories, neguvon successful in dogs

Disease transmission, Animal to man
Kyllerman, M.; and Strannegard, O., 1979, Arch. Dis. Childhood, v. 54 (4), 326-327 [Letter]
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
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, 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
Mantovani, A.; Battelli, G.; and Zanetti, R., 1978, Ann. Ist. Super. San., Roma, v. 14 (2), 287-293
problems of zoonoses connected with urban and semiurban environments, review

Disease transmission, Animal to man
Martins, M. I. F. do C., 1971, Rev. Cien. Vet., Lourenco Marques, s. B, v. 14, 171-182
importance of parasitosis of Sus scrofa in public health, parasites common to man and pigs

Disease transmission, Animal to man
Munz, E., 1977, Tieraerztl. Prax., v. 5 (2), 159-166
zoonoses of human and veterinary importance, includes mention of echinococcosis

Disease transmission, Animal to man
Overdulve, J. P., 1978, Proc. K. Nederl. Akad. Wetensch., s. C, Biol. and Med. Sc., v. 81 (1), 1-18
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
Padchenko, I. K., 1970, Parazitologiia, Leningrad, v. 4 (4), 394-396
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Disease transmission, Animal to man
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Disease transmission, Food
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Disease transmission, Food
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Disease transmission, Food
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Disease transmission, Food
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Disease transmission, Food
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Disease transmission, Food
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Disease transmission, Food
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Disease transmission, Food
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Disease transmission, Food
Herskovic, P.; et al., 1977, Rev. Med. Chile, v. 105 (7), 436-438
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
Itotia, J. N.; Cruickshank, B.; and Refai, M., 1978, East African Med. J., v. 55 (8), 366-372
human parasitic and bacterial infections, results of faecal examinations of food handlers, importance of periodic screening: Kenya

Disease transmission, Food
Kagei, N.; Kihata, M.; and Asano, K., 1977, Bull. Inst. Pub. Health, Tokyo, v. 26 (1), 1-13
parasites of Thyrsites atum imported to Japan for food: shore of Island of Banks, New Zealand

Disease transmission, Food
Kerdpibule, V.; Nicharat, S.; and Sucharit, S., 1979, Southeast Asian J. Trop. Med. and Pub. Health, v. 10 (4), 540-547
descriptions of odonate nymphs, both naiads and adults may serve as secondary intermediate hosts of some human intestinal parasites; naiads are sometimes eaten raw or poorly cooked by people of Thailand

Disease transmission, Food
Kimura, S.; and Shimizu, A., 1978, Japan. J. Vet. Sc., v. 40 (3), 357-359
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

Disease transmission, Food
Konjevic, P., 1979, Acta Parasitol. Iugoslavica, 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, Food
Kreuzer, W.; Obermeier, O. P.; and Kotter, L., 1976, Tieraerztl. Prax., v. 4 (1), 115-126
parasites and other diseases of fishes consumed by humans, clinical review

Disease transmission, Food
Kuz'menko, V. D.; Pankov, N. V.; and Red'kin, A. A., 1979, Gig. i Sanitariia (6), 77
ascariasis, trichuriasis, role of fruit and vegetable shops in spread, preventive sanitation measures

Disease transmission, Food
Lamothe-Argumedo, R.; Caballero-Deloya, J.; and Lazaro-Chavez M., E., [1979], An. Inst. Biol., Univ. Nac. Mexico, v. 48 (1), s. Zool., 1977, 295-298
Paragonimus mexicanus, Pseudothelphusa 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
Leek, R. G.; and Fayer, R., 1978, Proc. Helminth. Soc. Washington, v. 45 (1), 135-136
dogs fed beef and beef products purchased from retail food store in Maryland 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
Angiostrongylus malaysiensis, survey of Pila scutata and Bellamyia ingallsiana as food consumed by local population, eating habits are such that infection seems unlikely: Peninsular Malaysia

Disease transmission, Food
Lopez, C. E.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1128-1132
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, 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, 2 outbreaks, clinical and serological characteristics, public health aspects: Barrow, Alaska

Disease transmission, Food
Marzochi, M. C. de A., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (4), 249-256
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
Marzochi, M. C. de A., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (3), 148-155
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, 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), 559-560
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
Mesocestoides 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
Patharangura, P.; and Chaiyaporn, V., 1973, Siriraj Hosp. Gaz., v. 25 (2), 285-294
Taenia solium, humans, increased incidence, partly due to consumption of "Nam" prepared from heavily infected pork: Siriraj Hospital

Disease transmission, Food
Riccetti, R. V., 1975, Rev. Fac. Med. Vet. e Zootec. Univ. S. Paulo, v. 12, 259-268
Cysticercus cellulosae-infected swine carcasses, sodium chloride treatment, length of storage necessary to render meat safe for consumption, comparison with refrigeration

Disease transmission, Food
Rizzo, G.; and Ricciardi, G., [1978], Riv. Parassitol., Roma, v. 38 (2-3), 1977, 303-306
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
Schalm, O. W., 1978, Canine Pract., Santa Barbara, v. 5 (3), 59, 61-63
Nanophyetus salmincola in dogs (feces), probably caused by eating raw fish

Disease transmission, Food
Simanjuntak, G. M.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (4), 494-497
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
Tarczynski, S.; and Szepelski, L., 1970, Acta Parasitol. Polon., v. 18 (42-50), 513-519
Fasciola hepatica 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
Tidball, J. S.; Aguas, J. P.; and Aldis, J. W., 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (1), 33-40
Capillaria philippinensis, humans (stools), 32 cases, history of eating raw fish, thiabendazole, mebendazole, life cycle discussed: San Antonio and San Narciso, Zambales Province, Western Luzon, Philippines

Disease transmission, Food
Tizard, I. R.; Harmeson, J.; and Lai, C. H., 1978, Canad. J. Comp. Med., v. 42 (2), 177-185
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
Arthur, J. R.; Margolis, L.; and Arai, H. P., 1976, J. Fish. Research Bd. Canada, v. 33 (11), 2489-2499
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
Minchinia 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
Corrier, D. E.; et al., 1979, Trop. Animal Health and Prod., v. 11 (4), 215-221
Babesia bigemina- and B. bovis-immunized Bos 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

Disease transmission, Imported and exported hosts
McKeating, F. J., 1978, Vet. Rec., v. 103 (4), 79 [Letter]
Hyalomma aegyptium on Testudo graeca (under carapace at hind legs), potential as vectors of disease: imported into Britain

Disease transmission, Imported and exported hosts
Schaffer, G. D.; et al., 1978, J. Am. Vet. Med. Ass., v. 173 (9), 1148-1151
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
Selim, M. K.; et al., 1970, Vet. Med. J., Giza, v. 17 (18), 173-193
parasite survey of cattle, sheep, and camels imported to the United Arab Republic

Disease transmission, Imported and exported hosts
Sinha, R. P.; and Dubey, R. K., 1978, Indian Vet. J., v. 55 (5), 372-376
Anaplasma marginale outbreak in non-preimmune 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
Westrom, D. R.; Nelson, B. C.; and Connolly, G. E., 1976, J. Med. Entom., v. 13 (2), 169-173
Bovicola 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 B. tibialis: California

Disease transmission, Insecta. See Vectors, Insecta.

Disease transmission, Intrauterine. See Prenatal infection.

Disease transmission, Lactation
Genchi, C.; and Malnati, G., 1976, Parassitologia, v. 18 (1-3), 41-44
Strongyloides westeri larvae, transmission to foals by mares' milk

Disease transmission, Lactation
Jeschke, B. U.; and Stoye, M., 1978, Zentralbl. Vet.-Med., Reihe B, v. 25 (8), 623-640
Ancylostoma caninum, galactogenic transmission of third stage larvae in paratenic hosts (mice, sheep, goats)

Disease transmission, Lactation
Mirck, M. H., 1977, Tijdschr. Diergeneesk., v. 102 (17), 1039-1043
Strongyloides westeri, equine, more common in unweaned than in weaned foals, not found in foals reared artificially (worm free), found in milk of mare, no evidence for intrauterine infection, transmammary infection possible

Disease transmission, Lactation
Thienpont, D.; et al., 1977, Tijdschr. Diergeneesk., v. 102 (19), 1123-1128
Toxocara vitulorum, suckling calves, differential diagnosis from T. canis, transmammary transmission, successful treatment with levamisole: Belgium, imported from France

Disease transmission, Lactation
Waage, S., 1977, Norsk Vet.- Tidsskr., v. 89 (10), 637-641
helminths, domestic animals, prenatal and lactogenic infections, review

Disease transmission, Lactation
Wilson, P. A. G.; Cameron, M.; and Scott, D. S., 1978, Parasitology, v. 77 (1), 87-96
Strongyloides ratti, rats, worm development in families during course of lactation, numbers of worms developing in mothers and in pups, passage of worms into the milk, larval latency in tissues

Disease transmission, Man to animal
Dissanaike, A. S., 1979, Bull. World Health Organ., v. 57 (3), 349-357
zoonotic aspects of filarial infections in man, review

Disease transmission, Man to animal
Freudiger, U.; and Hoerning, B., 1975, Therap. Umschau, v. 32 (4), 229-236
zoonosis, epidemiology, short general review of most important diseases transmissible from animals to man and from man to animals

Disease transmission, Man to animal
Owen, D., 1978, Lab. Animals, v. 12 (2), 79-80
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

Disease transmission, Man to animal
Pandey, V. S.; and Mbemba, Z., 1976, Ann. Soc. Belge Med. Trop., v. 56 (1), 43-46
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, Man to animal
Richmond, S. M., 1976, State Vet. J., Min. Agric., Fish. and Food (93), v. 31, 258-263
Cysticercus bovis, cattle, outbreak resulting from single human carrier of Taenia ova, need for sanitary facilities for workers on beef cattle enterprises and for veterinary control of meat inspection, review of meat inspection regulations: Scotland

Disease transmission, Man to animal
Simanjuntak, G. M.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (4), 494-497
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, Man to animal
Slonka, G. F.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 101-105
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, Man to man. [See also Disease transmission, Venereal]

Disease transmission, Man to man
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

Disease transmission, Man to man
Campos, C. A. M., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (2), 93-97
survey of deposits under fingernails of children, possible means of disseminating parasitic infections: bairro de Nova Descoberta (Natal, RN)

Disease transmission, Man to man
Church, R. E.; and Knowelden, J., 1978, Brit. Med. J. (6115), v. 1, 761-763
human scabies, epidemiology of suspected cases referred to local hospital, main sources of infestation were family and friends, suggested prophylactic measures to halt further spread: Sheffield, England

Disease transmission, Man to man
Doell, H.; and Flentje, B., 1970, Psychiat., Neurol. u. Med. Psychol., v. 22 (9), 357-358
Enterobius 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
Engbaek, 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
Kean, B. H.; William, D. C.; and Luminais, S. K., 1979, Brit. J. Vener. Dis., v. 55 (5), 375-378
amoebiasis, giardiasis, Iodamoeba butschlii, epidemic in a homosexual population: New York City

Disease transmission, Man to man
Keystone, J. S.; Krajden, S.; and Warren, M. R., 1978, Canad. Med. Ass. J., v. 119 (3), 241-248
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
Khizhniak, N. I.; et al., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (2), 232-233
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
Kotecki, N. R., 1977, Przegl. Epidemiol., v. 31 (1), 11-15
Pneumocystis carinii, small children, problems of transmission in hospitals and children's homes: Poland

Disease transmission, Man to man
Mellanby, K., 1977, Roy. Soc. Health J., v. 97 (1), 32-36,40
Sarcoptes scabiei var. hominis, human, clinical review, transmission studies with infected persons and normal volunteers, current status in Britain

Disease transmission, Man to man
Palicka, P., 1979, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 28 (2), 108-115
scabies, human, epidemiological surveys in familial foci

Disease transmission, Man to man
Ring-Larsen, H.; and Jepsen, 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
Ruebush, T. K. II; et al., 1978, Am. J. Dis. Child., v. 132 (2), 143-148
Pneumocystis carinii pneumonia in immunosuppressed patients, epidemiologic survey in hospital outbreak in children with acute 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
Ryning, F. W.; et al., 1979, Ann. Int. Med., v. 90 (1), 47-49
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 Pediat., v. 42 (8), 561-566
human scabies, incidence survey showed children under 15 to be most heavily infested, apparent spread through overcrowding of sleeping facilities of families, lindane therapy recommended as drug of choice: Santiago, Chile

Disease transmission, Man to man
Thacker, S. B.; et al., 1979, Am. J. Pub. Health, v. 69 (12), 1279-1281
Entamoeba histolytica, Giardia lamblia, control attempts in a residential facility for mentally retarded persons: Washington, D. C.

Disease transmission, Man to man
Unger, K. W., 1978, N. England J. Med., v. 298 (20), 1148 [Letter]
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
Vortel, V.; et al., 1973, Sborn. Ved. Praci Lek. Fak. Karlovy Univ. Hradci Kralove, Suppl., v. 16 (2), 155-158
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
Koshy, A.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 42-45
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
Krasnonos, L. N., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (2), 186-189
ascaridosis 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 meningoencephalitis in infant (cerebrospinal fluid, nose): Zaria

Disease transmission, Soil
Marzochi, M. C. de A., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (3), 148-155
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
Napravnik, J.; and Fajkos, A., 1978, Sborn. Vysoke Skoly Zemedelske Praze, Fak. Agron., Rada B, Zivoc. Vyroba (1), 3-19
Eimeria spp., nematodes, pigs, soft runs as source of contamination, weather and climatic conditions

Disease transmission, Soil
Schantz, P. M.; Meyer, D.; and Glickman, L. T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (1), 24-28
ocular toxocariasis, 17 children, clinical, serologic, and epidemiologic characteristics

Disease transmission, Soil
Soroczan, W., 1977, Acta Parasitol. Polon., v. 24 (20-27), 259-267
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
Adonajło, 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
Arthur, J. R.; Margolis, L.; and Arai, H. P., 1976, J. Fish. Research Bd. Canada, v. 33 (11), 2489-2499
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
Aust-Kettis, A.; and Magnius, L., 1973, Scand. J. Infect. Dis., v. 5 (4), 289-292
Giardia lamblia, infection in group of students after a visit to Leningrad: Stockholm, Sweden

Disease transmission, Travel and migration
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

Disease transmission, Travel and migration
Ayala, S. C.; and Varela, C. E., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (4), 253-256
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
Barrett-Connor, E., 1972, South. Med. J., v. 65 (1), 86-90
fluke infections, human, geographic distribution, clinical aspects, need for differential diagnostic considerations in travellers, immigrants, and military personnel

Disease transmission, Travel and migration
Barrett-Connor, E., 1978, J. Am. Med. Ass., v. 239 (18), 1901-1906
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
Barriere, H., 1974, Semaine Hop. Paris, v. 50 (12), 827-829
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
Bienzle, U.; Ebert, F.; and Dietrich, M., 1978, Tropenmed. u. Parasitol., v. 29 (2), 188-193
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
Boyce, N. P. J., 1969, J. Fish. Research Bd. Canada, v. 26 (4), 813-820
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 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

Disease transmission, Travel and migration
Brothers, W.; and Heckmann, R., 1979, J. Parasitol., v. 65 (5), 782
Tunga penetrans from toe of 21-year-old Caucasian male: Utah, recently returned from Brazil

Disease transmission, Travel and migration
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Disease transmission, Travel and migration
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Plasmodium vivax, men, case reports, infected during hunting trip to Honduras: Missouri

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imported malaria, increased incidence, inadequate prophylaxis, frequent re-infestation in black Africans living in France and returning periodically to endemic areas, special risks for pregnant women: Paris

Disease transmission, Travel and migration
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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
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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
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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
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tropical protozoan diseases, humans travelling to endemic areas, preventive measures, review

Disease transmission, Travel and migration
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[Plasmodium] falciparum, woman who had previously travelled in Papua New Guinea, case report: Tonga

Disease transmission, Travel and migration
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Disease transmission, Travel and migration
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Disease transmission, Travel and migration
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Syngamus [sp.] in woman who travelled extensively in Caribbean Islands, recovery after thiabendazole treatment, case report: Dominica, West Indies

Disease transmission, Travel and migration
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filariasis, 40-year-old California man, arm lymphedema, diethylcarbamazine citrate: United States, had resided 3 years in Africa

Disease transmission, Travel and migration
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human amoebiasis and malaria, increasing incidence in non-endemic areas, epidemiologic review

Disease transmission, Travel and migration
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malaria, British travellers to endemic areas, suggested control measures

Disease transmission, Travel and migration
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[Plasmodium] falciparum, problems in clinical management of infected persons, importance of providing tourists to endemic areas with information on malaria: Switzerland

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Disease transmission, Travel and migration
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Disease transmission, Travel and migration
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Disease transmission, Travel and migration
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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
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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
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Disease transmission, Travel and migration
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human parasitic diseases imported into Russia by travelers to Africa, Asia, and Latin America, symptoms, clinical management

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Disease transmission, Travel and migration
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Disease transmission, Travel and migration
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Disease transmission, Travel and migration
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Lysenko, A. Ia.; et al., 1978, Sovet. Med. (5), 62-65
malaria, observations on imported human cases, diagnostic importance, clinical aspects: SSSR

Disease transmission, Travel and migration
Matzen, P.; and Starklint, H., 1976, Ugeskr. Laeger, v. 138 (3), 157-158
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
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Disease transmission, Travel and migration
Partono, F.; and Purnomo, 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (3), 338-343
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Disease transmission, Travel and migration
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tourist diarrhea of parasitic and bacterial origins, clinical review

Disease transmission, Travel and migration
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schistosomiasis mansoni, outbreak in family that had earlier spent 3 years in East Africa, clinical aspects, therapy, 2-year-follow-up: Georgia

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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

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parasite survey, 150 Vietnamese Mon-Khmers during their first 30 months after arrival in Denmark

Disease transmission, Travel and migration
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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
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Disease transmission, Travel and migration
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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
Rothenborg, H. W.; Sjølin, K. E.; and Kristensen, N. P., 1976, Ugeskr. Laeger, v. 138 (40), 2437-2440
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
Salaki, J. S.; Shirey, J. L.; and Strickland, G. T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 190-193
Entamoeba polecki, 24-year-old Peace Corps volunteer (feces), symptomatic intestinal infection cured with diloxanide furoate and metronidazole: United States (previously in Upper Volta)

Disease transmission, Travel and migration
Sekla, L.; et al., 1978, Canad. J. Pub. Health, v. 69 (6), 475-480
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
Selim, M. K.; Hosny, Z.; and El-Kassaby, A., 1970, Vet. Med. J., Giza, v. 17 (18), 111-117
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
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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
Sterner, G.; and Nåsander, L., 1977, Scand. J. Infect. Dis., v. 9 (2), 154-156
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, Water
Bygbjerg, I. C.; and Rask, M. P., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (1), 54-55
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
Carter, S. A., 1978, Internat. J. Environment. Studies, v. 12 (3), 199-205
Naegleria fowleri, human amoebic meningoencephalitis, water pollution as major source of infection, epidemiology, prevention and control, review

Disease transmission, Water
Craun, G. F., 1979, Am. J. Pub. Health, v. 69 (8), 817-819
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
Dalton, P. R.; and Pole, D., 1978, Bull. World Health Organ., v. 56 (3), 417-426
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
De Jonckheere, J. F., 1979, Applied and Environment. Microbiol., v. 38 (4), 590-593
Naegleria and Acanthamoeba, incidence in aquaria, may be source of human infection: Belgium

Disease transmission, Water
Derr-Harf, C.; et al., 1978, Ann. Parasitol., v. 53 (5), 467-477
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, D.; et al., 1978, Ann. Microbiol., v. 129 B (2), 225-244
"Limax" amoebae in swimming pools, water purification systems, associated bacterial flora, temperature, pathogenicity to mice: North of France

Disease transmission, Water
Healy, G. R.; and Juranek, 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
Hermanne, J.; Jadin, J. B.; and Martin, J. J., 1972, Semaine Hop. Paris, v. 48 (21), 1539-1550 (Ann. Pediat., Paris, v. 19 (5), 425-436)
Naegleria gruberi, human, fatal meningoencephalitis after swimming in public pools, amoeba discovered in spinal fluid, amphotericin B studied as possible therapy: Belgium

Disease transmission, Water
Iwanczuk, I.; and Kelus, J., 1971, Roczniki Panstwow. Zakl. Hig., v. 22 (2), 179-187
tests for ovicidal activity of iodine 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
Jadin, J. B.; et al., 1971, Ann. Soc. Belges Med. Trop. Parasitol., v. 51 (2), 255-266
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
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Disease transmission, Water
Lopez, C. E.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1128-1132
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
Marzochi, M. C. de A., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (3), 148-155
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, Water
Obeng, L. E., 1978, Water Supply & Management, v. 2 (4), 343-350
Starvation or bilharzia?--a rural development dilemma

Disease transmission, Water
Ongom, V. L.; Ococi-Jungalo, A. H.; and Wamboka, J. W., 1977, East African Med. J., v. 54 (12), 678-679
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

Drugs, Mode of action
Boveris, A.; et al., 1977, Rev. Asoc. Argent. Microbiol., v. 9 (2), 54-61
Trypanosoma cruzi, epimastigote forms in saline medium, action of β-lapachone and its metabolite form α-lapachone on parasite growth and production of hydrogen peroxide; β-lapachone inhibited growth but possible effect was mediated by the hydrogen peroxide and related free radicals

Drugs, Mode of action
Boveris, A.; et al., 1978, Biochem. J., v. 175 (2), 431-439
Trypanosoma cruzi, differential effect of β-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. 61C (2), 327-329
Trypanosoma cruzi, correlation between superoxide anion production and trypanocidal action of naphthoquinones

Drugs, Mode of action
Brener, Z., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (4), 302-306
Trypanosoma cruzi, description of method allowing study of drug action on trypomastigotes in mice

Drugs, Mode of action
Brener, Z.; Costa, C. A. G.; and Chiari, C., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (6), 450-455
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 to mode of drug action

Drugs, Mode of action
Brohn, F. H.; and Clarkson, A. B., jr., 1978, Acta Trop., v. 35 (1), 23-33
Trypanosoma brucei brucei, effect of glycerol on anaerobic glycolysis in vitro, concomitant administration of salicylhydroxamic acid and glycerol to infected rats results in rapid clearance of parasitemia

Drugs, Mode of action
Brotherton, 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 samuelpessoai 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 B_2a 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
F[asciola] hepatica, in vitro, lucensomycin, fluke motility, effect of drug reduced by steroid compounds, not affected by alpha-mercaptopropionylglycine

Drugs, Mode of action
Catchpool, J. F., 1974, Rev. Med. Pharmacol., 4. ed., 594-620
antiprotozoal drugs in current use, extensive review of modes of action, epidemiologic factors, clinical administration, contraindications and cautions

Drugs, Mode of action
Chaikin, 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(guanylhydrazone) (MGBG), little in vitro effect on Blastocrithidia 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, bunamidine HCl, applicability of in vitro cultivation in determination of LC_{50}, effect on enzymes involved in energy metabolism and on ultrastructure

Drugs, Mode of action
Chavasse, C. J.; Brown, M. C.; and Bell, D. R., 1978, Ann. Trop. Med. and Parasitol., v. 72 (3), 293-295
Schistosoma mansoni, short term effects of oxamniquine on activity of paired worms in vitro

Drugs, Mode of action
Chavasse, C. J.; Brown, M. C.; and Bell, D. R., 1979, Ann. Trop. Med. and Parasitol., v. 73 (3), 241-249
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
Chavasse, C. J.; Brown, M. C.; and Bell, D. R., 1979, Ann. Trop. Med. and Parasitol., v. 73 (4), 363-367
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
Chevis, R. A. F.; and Kelly, J. D., 1978, N. Zealand Vet. J., v. 26 (9), 218-220
Fasciola hepatica, rats and sheep (both exper.), mebendazole, parbendazole, cambendazole, thiabendazole, anthelmintic activity, molecular structure-activity analyses

Drugs, Mode of action
Christow, C. P., 1974, Rev. Biol. Trop., v. 21 (2), 1973, 187-195
Trichomonas vaginalis, in vitro, reproduction inhibited by anti-amino acids (β-indolilacrylic acid, styrylacetic acid)

Drugs, Mode of action
Christow, C., 1978, Biochem. and Exper. Biol., v. 14 (2), 177-180
Trichomonas foetus, effect of certain B_{12} antagonists upon growth

Drugs, Mode of action
Chubb, J. M.; et al., 1978, J. Pharmacol. and Exper. Therap., v. 207 (2), 284-293
praziquantel, effects on electromechanical properties of isolated rat atria

Drugs, Mode of action
Cohen, S. S., 1979, Science (4410), v. 205, 964-971
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
Coles, G. C.; and Chappell, L. H., 1979, Exper. Parasitol., v. 47 (1), 49-53
Schistosoma mansoni, effects of potassium antimony tartrate on immature vs. adult worms in vitro and in vivo, if antimony acts by inhibition of phosphofructokinase it is not clear why young worms are more resistant to chemotherapy than adults

Drugs, Mode of action
Cruz, F. S.; Docampo, R.; and de Souza, W., 1978, Acta Trop., v. 34 (1), 35-40
Trypanosoma cruzi, β-lapachone markedly increases generation of hydrogen peroxide in intact epimastigotes

Drugs, Mode of action
Dewey, V. C.; Kidder, G. W.; and Nolan, L. L., 1978, Biochem. Pharmacol., v. 27 (10), 1479-1485
Crithidia fasciculata, mechanism of inhibition of growth by adenosine and adenosine analogs

Drugs, Mode of action
Docampo, R.; et al., 1978, Arch. Biochem. and Biophys., v. 186 (2), 292-297
Trypanosoma cruzi, β-lapachone-treated epimastigotes, lipid peroxidation and generation of free radicals, superoxide anion, and hydrogen peroxide

Drugs, Mode of action
Docampo, R.; et al., 1978, Ztschr. Parasitenk., v. 57 (3), 189-198
Trypanosoma cruzi, naphthoquinones, effect on ultrastructure and superoxide anion and hydrogen peroxide production of different stages

Drugs, Mode of action
Docampo, R.; 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
Dovzhenko, V. A.; et al., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (2), 169-173
Diphyllobothrium latum, Hymenolepis nana, Taeniarhynchus saginatus, phenasal effects on various parts of strobila

Drugs, Mode of action
Dubey, J. P.; et al., 1978, Am. J. Vet. Research, v. 39 (6), 1027-1031
Paragonimus kellicotti, specific-pathogen-free cats, albendazole, excellent results (reduced ova production, changed worm morphology, reduced pulmonic lesions)

Drugs, Mode of action
Duewel, D.; and Schleich, H., 1978, Zentralbl. Vet.-Med., Reihe B, v. 25 (10), 800-805
Hymenolepis diminuta, laboratory rats, fenbendazole, mode of action

Drugs, Mode of action
Eckert, J.; Barandun, G.; and Pohlenz, J., 1978, Schweiz. Med. Wchnschr., v. 108 (29), 1104-1112
Echinococcus spp., larval stages, laboratory animals, fenbendazole, mebendazole

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Trichomonas vaginalis and other anaerobes, metronidazole, mechanism of antimicrobial action

Drugs, Mode of action
Edwards, D. I.; et al., 1979, J. Antimicrob. Chemother., v. 5 (3), 315-316 [Letter]
metronidazole and misonidazole absorbed and inactivated by bacteria and fungi, mechanism of inactivation and relationship to known mechanism of drug action

Drugs, Mode of action
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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

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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
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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
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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
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avermectin B_1a, effect on neuromuscular preparations of lobster, Ascaris lumbricoides, frog, and crayfish

Drugs, Mode of action
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Tritrichomonas foetus, in vitro inhibition by vermiculine, mode of action

Drugs, Mode of action
Goennert, R.; and Andrews, P., 1977, Ztschr. Parasitenk., v. 52 (2), 129-150
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
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anthelmintics in current use, extensive review of modes of action, epidemiologic factors, clinical administration, contraindications and cautions

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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
Gutteridge, W. E.; Dave, D.; and Richards, W. H. G., 1979, Biochim. et Biophys. Acta, v. 582 (3), 390-401
Kinetoplastida spp., Plasmodium spp., conversion of dihydroorotate to orotate, mechanism of reaction different in these 2 groups of protozoa, possible target of chemotherapeutic attack

Drugs, Mode of action
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Drugs, Mode of action
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Drugs, Mode of action
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Eimeria tenella, kidney cell cultures, chickens (exper.), septamycin, activity largely confined to first generation schizont

Drugs, Mode of action
Hillman, G. R.; Gibler, A. M.; and Anderson, J. W., 1978, J. Pharmacol. and Exper. Therap., v. 207 (3), 992-997
Schistosoma mansoni, anticholinergic drugs as inhibitors of labeling of parasite by a fluorescent derivative of acetylcholine, scanning microfluorimetric system

Drugs, Mode of action
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Schistosoma mansoni, hycanthone, 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 thiourea compounds

Drugs, Mode of action
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Hypoderma 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 methotrexate 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 inimical 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, 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

Drugs, Mode of action
Jones, R. L.; Davidson, M. W.; and Wilson, W. D., 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
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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 potassium tartrate therapy given with penicillamine 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), 1977, 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), 366-391
P[lasmodium] 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
Kozhokaru, A. F.; and Topaly, V. P., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (2), 178-183
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 fasciolicidal effects and permitted toxicity evaluation

Drugs, Mode of action
LaRusso, N. F.; et al., 1978, Antimicrob. Agents and Chemotherapy, v. 13 (1), 19-24
absence 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, Antimicrob. Agents and Chemotherapy, v. 10 (3), 476-482
metronidazole and 11 other nitroimidazoles, antitrichomonad activity against Tritrichomonas foetus and Trichomonas vaginalis, mutagenic action in Salmonella test, reducibility 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, inhibition and retardation of egg hatching was demonstrated

Drugs, Mode of action
McBeath, D. G.; et al., 1978, Equine Vet. J., v. 10 (1), 5-8
strongyle 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 inhibited by serum from chickens fed anticoccidial 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, Exper. Parasitol., v. 48 (2), 235-238
Eimeria tenella, chickens, synergistic interaction of sulfaquinoxaline and t-butylaminoethanol

Drugs, Mode of action
McQuistion, 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 anticoccidial drugs

Drugs, Mode of action
Magzoub, M., 1971, Sudan Med. J., v. 9 (3), 178-182
Schistosoma mansoni, untreated worms and worms treated with ambilhar or astiban, electron microscopy of cuticle, subcuticular region, and gut; possibility that egg formation is interruped by either treatment

Drugs, Mode of action
Magzoub, M., 1972, Sudan Med. J., v. 10 (3), 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 chemotherapeutic 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 antagonize its activity revealed that pyrithiamine and 2,4-dinitrophenol also showed slight anticoccidial 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. R., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (2), 158-159
Schistosoma mansoni, mice, high doses of oxamniquine produced inhibition of cercaria-schistosomulum transformation, suggests that drug is active during process of host-larvae adaptation

Drugs, Mode of action
Meshnick, S. R.; et al., 1978, J. Exper. Med., v. 148 (2), 569-579
Trypanosoma brucei brucei, attempt to develop new trypanocidal drugs based on inability of bloodstream form to decompose hydrogen peroxide, experiments with porphyrins, naphthoquinones, and arsenicals in vitro and in vivo, possible mechanisms of combination of agents

Drugs, Mode of action
Meshnick, S. R.; et al., 1978, J. Pharmacol. and Exper. Therap., v. 207 (3), 1041-1050
Trypanosoma brucei brucei, mice, rats, rabbits, evaluation of trypanocidal activity of series of porphyrins and metalloporphyrins, 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, heme 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 H_2O_2 to form hydroxyl radicals which can react with vital cell components and kill the organism

Drugs, Mode of action
Moczon, T., 1976, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 24 (5), 289-292
Fasciola hepatica miracidia, inhibitory effect of pesticides on enzyme activity

Drugs, Mode of action
Monteiro, W.; Pellegrino, J.; and da Silva, M. L. H., 1969, Rev. Brasil. Pesqui. Med. e Biol., v. 2 (1), 45-49
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
Montgomerie, 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
Tritrichomonas foetus, Trichomonas vaginalis, Entamoeba invadens, effects of 2,4-dinitrophenol (including effect on accumulation of metronidazole)

Drugs, Mode of action
Neame, K. D.; et al., 1978, Ann. Trop. Med. and Parasitol., v. 72 (6), 587-588
Schistosoma mansoni, hycanthone inhibits nucleic acid synthesis in vitro but it seems unlikely that this is mechanism by which drug kills worms in vivo

Drugs, Mode of action
Nelson, D. J.; et al., 1979, J. Biol. Chem., v. 254 (10), 3959-3964
Leishmania braziliensis, L. donovani, pyrazolo (3,4-d)pyrimidines, metabolism, possible explanation for antileishmanial activity

Drugs, Mode of action
Nelson, D. J.; et al., 1979, J. Biol. Chem., v. 254 (22), 11544-11549
Leishmania spp., allopurinol ribonucleoside as an antileishmanial agent: biological effects, metabolism, and enzymatic phosphorylation

Drugs, Mode of action
Newton, B. A., 1974, Ciba Found. Symp., n.s. (20), 285-307
trypanosomiasis, leishmaniasis, chemotherapy, review

Drugs, Mode of action
Nicholas, W. L.; and Stewart, A. C., 1979, Ann. Trop. Med. and Parasitol., v. 73 (1), 57-62
Toxocara canis, laboratory mouse, fenbendazole and oxfendazole killed larvae in brains and musculature, migratory larvae more susceptible, possible use in preventing pre-natal infection in dogs

Drugs, Mode of action
Novak, M.; and Evans, W. S., 1978, Canad. J. Zool., v. 56 (4), 604-607
Hymenolepis diminuta in Tribolium confusum, mebendazole, effect on different developmental stages of cysticercoids

Drugs, Mode of action
Nseka, K.; and Mueller, M., 1978, Compt. Rend. Soc. Biol., Paris, v. 172 (6), 1094-1098
Tritrichomonas foetus, Entamoeba invadens, effect of glycolysis inhibitors on uptake of metronidazole

Drugs, Mode of action
Oliveira, M. A.; et al., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (5), 298-300
Schistosoma mansoni, mice treated with oxamniquine vs. untreated mice, effects of drug on parasite migration and development in host

Drugs, Mode of action
Omer, A. H. S.; and Teesdale, C. H., 1978, Ann. Trop. Med. and Parasitol., v. 72 (2), 145-150
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
Parshad, V. R.; and Guraya, S. S., 1978, Vet. Parasitol., v. 4 (2), 111-120
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
Pellegrino, J.; and Machado, A., 1972, Rev. Brasil. Pesqui. Med. e Biol., v. 5 (1-2), 43-45
Schistosoma mansoni, mice and hamsters treated with thiosinamine, 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
Phillips, L.; Sturman, G.; and West, G. B., 1975, Agents and Actions, v. 5 (5), 467
Ascaris suum, variations in histamine content, effect of piperazine

Drugs, Mode of action
Polak, A.; and Richle, R., 1978, Ann. Trop. Med. and Parasitol., v. 72 (1), 45-54
Trypanosoma cruzi in vivo and in vitro, benznidazole, effect on growth and viability, aerobic and anaerobic respiration, and synthesis of protein, RNA, and DNA

Drugs, Mode of action
Prichard, R. K., 1978, Parasitology, v. 76 (3), 277-288
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
Prichard, R. K.; et al., 1978, Vet. Rec., v. 102 (17), 382
Ostertagia ostertagi arrested 4th stage larvae, incorporation of C^{14}-labeled thiabendazole 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

Drugs, Mode of action
Prichard, R. K.; Hennessy, D. R.; and Steel, J. W., 1978, Vet. Parasitol., v. 4 (4), 309-315
Haemonchus contortus, Trichostrongylus colubriformis, sheep, Ostertagia ostertagi, cattle, 4 benzimidazoles, mode of action and pharmacokinetic behavior, 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), 155-157
Metastrongylus apri, cholinesterase, kinetic properties with respect to substrate hydrolysis and inhibition by organophosphorus compounds

Drugs, Mode of action
Richards, W. H. G.; and Maples, B. K., 1979, Ann. Trop. Med. and Parasitol., v. 73 (2), 99-108
Plasmodium falciparum in continuous culture, effects of pyrimethamine and chloroquine on parasite growth and viability

Drugs, Mode of action
Rougemont, A.; et al., 1978, Compt. Rend. Soc. Biol., Paris, 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, Parazitologiia, Leningrad, v. 6 (1), 85-87
Hymenolepis nana, glycogen content in parasite tissues decreased after treatment of infected mice with aminoacrichine, phenasal, or trichlorophen, implications for mechanism of drug action

Drugs, Mode of action
Sanchez Moreno, M.; and Barrett, 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.; Monteoliva, M.; and Hermoso, R., 1978, Rev. Iber. Parasitol., v. 38 (1-2), 415-426
Ascaris lumbricoides, in vitro, anthelmintics and pesticides, effects on motility

Drugs, Mode of action
Sasi, P. K.; and Raj, R. K., 1978, Experientia, v. 34 (9), 1156-1157
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), 5303-5307
Plasmodium falciparum, antimalarial effects of tetraethylthiuram disulfide and its reduction product diethyldithiocarbamate

Drugs, Mode of action
Schulman, M. 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
Schuntner, C. A.; and Thompson, P. G., 1978, Austral. J. Biol. Sc., v. 31 (2), 141-148
Boophilus microplus, larvae, ^{14}C labelled 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
Schuntner, C. A.; and Thompson, P. G., 1978, Austral. J. Biol. Sc., v. 31 (4), 317-325
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 female 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, M. 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
Shchelkanov, K. G.; and Epel'dimov, L. S., 1977, Sborn. Nauch. Rabot SibNIVI, Sibirsk. Nauchno-Issled. Vet. Inst. (29), 76-80
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
Shirshov, A. T.; et al., 1975, Izvest. Akad. Nauk SSSR, s. Biol. (5), 759-765
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
Sims, P.; and Gutteridge, W. E., 1979, Internat. J. Parasitol., v. 9 (1), 61-67
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
Singh, U. S.; Raizada, M. K.; and Rao, V. K. M., 1978, Zentralbl. Bakteriol., 1 Abt. Orig., Reihe A, v. 241 (3), 358-367
Hartmannella culbertsoni, axenically grown, purification and properties of L-histidine ammonia-lyase, marked inhibitory effect of certain amoebicidal drugs and divalent cations

Drugs, Mode of action
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Drugs, Mode of action
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Drugs, Mode of action
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Drugs, Mode of action
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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
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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
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Ecdysis
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Ecdysis
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ceratophyllus niger, Opisodasys pseudarctomys, 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
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Feeding
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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
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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)

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

Feeding
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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

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Trichophrya piscium, fine structure in relation to fish host, feeding, attachment, ultrastructural evidence is in favour of ectocommensal nature of this protozoon

Feeding
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ixodid ticks, pathology of host skin reaction to bite and feeding, nonspecific (innate) reaction and specific immune reaction

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host-tick interactions reviewed: tick feeding mechanism and innate and acquired host resistance; host specificity

Feeding
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Gametogenesis
Nijhout, M. M., 1979, Exper. Parasitol., v. 48 (1), 75-80
Plasmodium gallinaceum, exflagellation stimulated by mosquito factor

Gametogenesis
Nijhout, M. M.; and Carter, R., 1978, Parasitology, v. 76 (1), 39-53
Plasmodium gallinaceum, gamete development, quantification of gamete development, changes in pH and pCO_2 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 gralli, 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), 35-37
Megalodiscus temperatus adults in Rana pipiens, timing stages of spermatogenesis, inseminative behavior, techniques used include labelling of spermatogonial cells with ^{3}H-adenosine, method for transplanting worms to frogs, and autoradiography

Gametogenesis
Oliver, J. H., jr., 1974, J. Med. Entom., v. 11 (1), 26-34
Ixodoidea, reproduction (gametogenesis, mate finding, copulation, sperm behavior and longevity, syngamy, oviposition), review

Gametogenesis
Osburn, R. L.; and Oliver, J. H., jr., 1978, J. Parasitol., v. 64 (4), 719-726
Dermacentor variabilis, effects of metepa on cytology and fertility of males treated as unfed adults

Gametogenesis
Rees, F. G., 1979, Internat. J. Parasitol., v. 9 (5), 405-419
Cryptocotyle lingua, spermatozoon, spermiogenesis, ultrastructure

Gametogenesis
Robinson, J. M.; and Bogitsh, B. J., 1978, Ztschr. Parasitenk., v. 56 (1), 81-92
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 spermiogenesis

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
Sinden, R. E.; et al., 1978, Proc. Roy. Soc. London, s. B., Biol. Sc. (1145), v. 201, 375-399
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, cytogenetics, phylogeny

Gametogenesis
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

Gametogenesis
Suleiman, S. A.; and Brown, G. G., 1978, Iowa State J. Research, v. 53 (2), 93-108
Dermacentor variabilis, spermiogenesis, morphology, development, and significance of motile organelle

Gametogenesis
Toye, P. J.; Sinden, R. E.; and Canning, E. U., 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), 233-238
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.

Gastritis. [See also Stomach]

Gastritis
Tham, K. T., 1979, J. Trop. Med. and Hyg., v. 82 (1), 21-22
Strongyloides, man, gastritis, case report

Gastritis
Varma, S.; et al., 1978, Arch. Vet., Inst. Cercet. Vet. si Bioprep. Pasteur, v. 13, 41-46
nematodes, pigs (nat. and exper.), gross and histopathological changes in stomach wall, chronic gastritis: Hissar, India

Gastroenteritis. [See also Intestine; Stomach]

Gastroenteritis
Ollerenshaw, C. B.; Graham, E. G.; and Smith, L. P., 1978, Vet. Rec., v. 103 (21), 461-465
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
Pott, J. M.; Jones, R. M.; and Cornwell, R. L., 1978, Internat. J. Parasitol., v. 8 (5), 331-339
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

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.

Gel filtration. [See also Chromatography]

Gel filtration
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

Gel fractionation. See Chromatography; Gel filtration.

Genes. See Chromosomes; Genetics.

Genetics. [See also Adaptation; Chromosomes; Evolution]

Genetics, 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

Genetics, Host
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'

Genetics, Host
Altaif, K. I.; and Dargie, J. D., 1978, Research Vet. Sc., 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

Genetics, Host
Apt, W.; Gallegos, D.; and Milet, R., 1975, Rev. Med. Chile, v. 103 (9), 587-593
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

Genetics, Host
Bienzle, U.; Guggenmoos-Holzmann, I.; and Luzzatto, L., 1979, Am. J. Trop. Med. and Hyg., v. 28 (4), 619-621
malaria, gene for erythrocyte glucose-6-phosphate dehydrogenase deficiency in heterozygous females confers advantage against malaria: Nigeria

Genetics, Host
Borda, C. E.; and Pellegrino, J., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (3), 157-164
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. 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

Genetics, Host
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

Genetics, Host
Camus, D.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (2), 77-79
Schistosoma mansoni, differences in susceptibility 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 nonspecific 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 histocompatibility 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 inbred 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 phenotypes to infection

Genetics, Host
Cornille-Brøgger, 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

Genetics, Host
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

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
Deelder, A. M.; Claas, F. H. J.; and De Vries, R. R. P., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 321-322 [Letter]
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
Dineen, J. K.; Gregg, P.; and Lascelles, A. K., 1978, Internat. J. Parasitol., v. 8 (1), 59-63
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

Genetics, Host
Dowling, D. F., 1978, Austral. Vet. J., v. 54 (1), 47 [Letter]
genetic breeding of tick-resistant cattle: Australia

Genetics, Host
Eckman, J. R.; et al., 1976, Tr. Ass. Am. Physicians, v. 89, 105-115
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
Eckman, J. R.; and Eaton, J. W., 1979, Nature, London (5706), v. 278, 754-756
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
Eling, W.; van Zon, A.; and Jerusalem, C., 1977, Ztschr. Parasitenk., v. 54 (1), 29-45
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
Facer, C. A.; and Brown, J., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (5), 599-600 [Letter]
P[lasmodium] falciparum, no significant difference in frequency of ABO antigens between children with malaria and controls, confirms previous investigations: The Gambia

Genetics, Host
Fleming, A. F.; et al., 1979, Ann. Trop. Med. and Parasitol., v. 73 (2), 161-172
Plasmodium spp., human, prevalence of abnormal hemoglobins, relationships between sickle cell trait, malaria and survival of host: Garki District, Kano State, Nigeria

Genetics, Host
Friedman, M. J., 1979, Nature, London (5719), v. 280, 245-247
Plasmodium falciparum, α- and β-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
Gavora, J. S.; and Spencer, J. L., 1978, World's Poultry Sc. J., v. 34 (3), 137-148
breeding for genetic resistance to disease, specific vs. general disease resistance

Genetics, Host
Gold, D.; and Kagan, I. G., 1978, J. Parasitol., v. 64 (5), 937-938
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
Goodgame, R. W.; and Bartholomew, R. K., 1978, Am. J. Trop. Med. and Hyg., v. 27 (4), 779-781
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), 133-137
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
Itskan, S. B.; and Saldanha, P. H., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (2), 83-91
human malaria, erythrocyte glucose-6-phosphate dehydrogenase activity in infected and non-infected persons in endemic region: Sao Paulo (Iguape)

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 ferrisi, comparison of susceptibility in various inbred and F_1 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), 353-368
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
Landolfo, S.; et al., 1979, Boll. 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
Laser, H.; and Klein, R., 1979, Nature, London (5723), v. 280, 613-614 [Letter]
Plasmodium falciparum, protection given by haemoglobin S in heterozygotes for sickle cell gene, rebuttal to hypothesis of Pasvol, G.; Weatherall, D. J.; and Wilson, R. J. M., 1978, Nature, London (5672), v. 274, 701-703

Genetics, Host
Lopez Antunano, F. J.; and Palmer, T. T., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 319 [Letter]
Plasmodium vivax, high susceptibility of Duffy blood group-negative Aotus trivirgatus griseimembra

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
Martin, S. K.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (2), 216-218
Plasmodium falciparum, infected Nigerian children, survey of blood group antigens, no significant difference from healthy children

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 F1 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. Entom., 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, W., 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

Genetics, Host
Owen, R. R., 1979, Ann. Trop. Med. and Parasitol., v. 73 (2), 193-195
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
Partono, F., 1979, Ann. Trop. Med. and Parasitol., v. 73 (1), 79-81
Wuchereria bancrofti-infected parental stocks of Culex pipiens fatigans from non-endemic filariasis areas did not contain a major gene conferring refractiness to infection with urban Wuchereria bancrofti to their progeny

Genetics, Host
Pasvol, G.; Weatherall, D. J.; and Wilson, R. J. M., 1978, Nature, London (5672), v. 274, 701-703
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
Pasvol, G.; Weatherall, D. J.; and Wilson, R. J. M., 1979, Nature, London (5723), v. 280, 614 [Letter]
Plasmodium falciparum, protection given by haemoglobin S in heterozygotes for sickle cell gene, answer to rebuttal of Laser, H.; and Klein, R., 1979, Nature, London (5723), v. 280, 613-614

Genetics, Host
Pereira, F. E. L.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (2), 238
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. 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

Genetics, Host
Preston, J. M.; and Allonby, E. W., 1978, Vet. Rec., v. 103 (23), 509-512
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

Genetics, Host
Preston, P. M.; Behbehani, K.; and Dumonde, D. C., 1978, J. Clin. and Lab. Immunol., v. 1 (3), 207-219
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, 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

Genetics, 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

Genetics, Host
Rinderer, T. E.; and Sylvester, H. A., 1978, Ann. Entom. Soc. Am., v. 71 (3), 372-374
genetic characteristics of Apis mellifera, response to Nosema 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

Genetics, Host
Salam, E. A.; Ishaac, S.; and Mahmoud, A. A. F., 1979, J. Immunol., v. 123 (4), 1829-1831
Schistosoma mansoni, human, histocompatibility-linked susceptibility for hepatosplenomegaly: Egypt

Genetics, Host
de Santana, J. V.; Magalhaes, L. A.; and Rangel, H. de A., 1978, Rev. Saude Pub., S. Paulo, v. 12 (1), 67-77
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
Snyder, S. P.; England, J. J.; and McChesney, A. E., 1978, Vet. Path., v. 15 (1), 12-17
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
Spencer, H. C.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (4), 664-670
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

Genetics, Host
Storey, J.; et al., 1979, Ann. Trop. Med. and Parasitol., v. 73 (4), 311-315
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

Genetics, Host
Tanner, C. E., 1978, J. Parasitol., v. 64 (5), 956-957
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

Genetics, Host
Taylor, D. W.; and Siddiqui, W. A., 1979, J. Parasitol., v. 65 (2), 267-271
Plasmodium falciparum, susceptibility of Aotus trivirgatus in relation to geographic origin, phenotype, and karyotype

Genetics, Host
Trischmann, T.; et al., 1978, Exper. Parasitol. v. 45 (2), 160-168
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
Tsang, C. L.; and Chen, K. H., 1977, J. Chinese Soc. Vet. Sc., v. 3 (2), 9-13
Eimeria tenella, several breeds of chickens, resistance and susceptibility correlated with heredity: Taiwan

Genetics, Host
Utech, K. B. W.; Seifert, G. W.; and Wharton, R. H., 1978, Austral. J. Agric. Research, v. 29 (2), 411-422
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

Genetics, Host
Wakelin, D., 1978, Advances Parasitol., v. 16, 219-308
genetic control of susceptibility and resistance to parasitic infection, review

Genetics, Host
Warren, M.; et al., 1979, Mosquito News, v. 39 (3), 472-477
Plasmodium vivax- and P. falciparum-infected Anopheles albimanus (exper.), susceptibility of natural pupal phenotypes to infection

Genetics, Host
Wassom, 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

Genetics, Host
Watanabe, N.; Kojima, S.; and Ovary, Z., 1976, J. Exper. Med., v. 143 (4), 833-845
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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)
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Glands. [See also **Gonads; Hormones**]

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Glands, Host
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Glands, Host
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Glands, Parasite
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5 trematode species, maritae, glandular cells, morphology, localization, location in helminth body where their secretions are excreted

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Gyrodactylus eucaliae, 3 distinct types of cephalic glands based on morphology and stain affinities of their secretions, structure of cephalic lobe and head organ

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Glands, Parasite
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Glands, Parasite
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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
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ticks, physiology of salivary glands, review

Glands, Parasite
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Glands, Parasite
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Hyalomma anatolicum excavatum, synthesis and content of prostaglandins in salivary glands, reproductive organs, and egg-batches, higher in females than males

Gnotobiotic animals
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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
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Gnotobiotic animals
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Aspiculuris tetraptera, development and establishment in gnotobiotic mice contaminated with Escherichia coli vs. conventional mice (both exper.)

Gnotobiotic animals
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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
Przyjalkowski, Z., 1978, Acta Parasitol. Polon., v. 25 (11-20), 169-178
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 leukocyte counts (higher eosinophilia in germfree mice), concluded that intestinal microflora plays important role in establishment and elimination of intestinal trichinellae

Gnotobiotic animals
Przyjałkowski, Z., 1978, Acta Parasitol. Polon., v. 25 (21-35), 287-292
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
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Trichinella pseudospiralis, conventional and germfree mice, effect of intestinal flora on course of infection and haemotological changes

Gnotobiotic animals
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Gnotobiotic animals
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Gnotobiotic animals
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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

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

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. [See also Glands; Reproductive organs]

Gonads, Host
Frank, C., 1977, Ztschr. Parasitenk., v. 53 (3), 307-310
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
Pousada, J. M. D. C.; et al., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (2), 87-98
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
Smith, D. H., 1977, J. Mamm., v. 58 (4), 679-681
Cuterebra larvae in Peromyscus maniculatus (exper.), significant reduction in gonad weights and breeding success

Gonads, Host
Tiboldi, T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (4), 670-676
Schistosoma mansoni-infected mice, histopathological changes in ovaries in acute and chronic infections, pituitary hypofunction may contribute to pathological transformation of ovarian tissue

Gonads, Host
Tiboldi, T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 1026-1030
Schistosoma mansoni-infected mice, histopathological changes in ovaries can be reversed by adequate antischistosomal therapy

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Schistosoma mansoni, mice, observations on ovarian function during acute infections showed that estrus was present in some infected animals in spite of histopathological changes and decreased levels of progesterone in blood

Gonads, Host
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Dipetalonema evansi, camels, filarial orchitis and possible significance as prevalent reproductive disease; surgical treatment and use of neosulversan, fouadin, and neguvon, histopathology of gonads: Egypt

Gonads, Parasite
Crystal, M. M.; and Guillot, F. S., 1978, Ann. Entom. Soc. Am., v. 71 (2), 243-246
Cochliomyia hominivorax, field-collected and laboratory reared females, correlation of changes in flight behavior of aging female with changes in ovarian development

Gonads, Parasite
Frank, C., 1977, Ztschr. Parasitenk., v. 53 (3), 307-310
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, Parasite
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Helicometra, genus review, variations in testes number

Gonads, Parasite
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fleas, structure of ovaries

Granuloma
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S[chistosoma] mansoni, human, determination of elastase in blood platelets and the role of elastase in granuloma formation in lungs

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Bicalho, S. A., 1978, AMB, Rev. Ass. Med. Brasil., v. 23 (1), 31-35
Schistosoma mansoni, humans, intestinal and extra-intestinal granulomatous tumors, differential diagnostic problems, clinical aspects: Brazil

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granulomatous inflammations, extensive review including information on the schistosome egg granuloma

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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
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Granuloma
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Protozoa [sp.] in Grus canadensis, disseminated granulomas, histopathology, electron microscopy: Patuxent Wildlife Research Center

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Ascaris lumbricoides, child, migration of gravid female worm from intestinal lumen into peritoneal cavity, resulting granuloma of anterior abdominal wall and miliary granulomata in peritoneal cavity, case report

Granuloma
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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
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Granuloma
Colley, D. G., 1976, J. Exper. Med., v. 143 (3), 696-700
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), 192-200
Schistosoma mansoni, mice, adoptive suppression of granuloma formation by T lymphocytes and by lymphoid cells sensitive to cyclophosphamide

Granuloma
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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
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human amoebiasis, acute fulminating colitis, amebomas, review of cases with emphasis on diagnosis, therapy, complications, surgical procedures

Granuloma
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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
Fauve, R. M., 1978, Pharmacol. Immunoreg., 319-334
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
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Schistosoma mansoni, mice in granulomatous stage of infection, increased hepatotoxicity of bacterial lipopolysaccharide

Granuloma
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Schistosoma mansoni, granulomatous response to parasite eggs in patient on maintenance immunosuppression after renal transplant, case report

Granuloma
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Granuloma
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E[ntamoeba] histolytica, human, with resulting rectal amoeboma, medical management, case report: Mendoza, Rep. Argentina

Granuloma
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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
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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
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Toxocara canis, mice, evolution of muscle-associated granuloma, histopathology, light and electron microscopy

Granuloma
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Schistosoma mansoni, mice, venous circulation in bowel wall, tissue reactions to deposition of ova and granuloma formation

Granuloma
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bilharzial and amoebic granulomatous lesions of the cervix uteri, incidence in South African Blacks, clinical presentation, macroscopic and microscopic features: Baragwanath Hospital

Granuloma
Leventhal, R.; et al., 1978, Clin. and Exper. Immunol., v. 32 (1), 69-76
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
Lima, J. P. R., 1969, Rev. Inst. Med. Trop. S. Paulo, v. 11 (4), 290-293
schistosomiasis mansoni, human, granulomatous myocarditis, necropsy study of ectopic lesions

Granuloma
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Schistosoma mansoni, effect of mutation diabetes (marked immunosuppression) on host-parasite relationship in mice, decreased granulomatous response

Granuloma
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

Granuloma
Migaki, G.; et al., 1978, Vet. Path., v. 15 (5), 679-681
trichomonal granuloma of pelvic cavity in an apparently normal pregnant Macaca mulatta, infection apparently occurred during laparotomy during an experimental study

Granuloma
Pelley, R. P.; and Warren, K. S., 1978, J. Invest. Dermat., v. 71 (1), 49-55
schistosomiasis, review of current evidence that both induction and amelioration of hepatosplenic disease are immunologically mediated

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Aplectana acuminata, tissue response in parasitized Bufo viridis, inflammatory granuloma as mechanical barrier to cellular damage: Bucharest

Granuloma
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Entamoeba [histolytica], human, amoeboma and ulcerative amoebic colitis, clinical variables, diagnosis, therapeutics

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Sinha, B. K., 1974, U. P. Vet. J., v. 2 (4), 155-157
parasitic granuloma and abscess, bovine bladder, cross sections of nematodes and/or ova; Setaria sp. (peritoneal cavity): Municipal Slaughter House, Bareilly

Granuloma
Sirikulchayanonta, V.; and Chongchitnant, N., 1979, Am. J. Trop. Med. and Hyg., v. 28 (1), 42-44
Gnathostoma spinigerum, man, possible etiologic agent of eosinophilic granuloma of gastrointestinal tract, case report: Thailand

Granuloma
Sousa, O. E.; and Briceno, C. E., 1976, Rev. Med. Panama, v. 1 (2), 81-86
Enterobius vermicularis, human, ovarian parasitic granuloma thought to result from the erratic migration of an adult female worm, case report: Panama

Granuloma
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Schistosoma mansoni, solitary pulmonary bilharzioma, case report: London, formerly from Africa

Granuloma
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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
Wyler, D. J.; Wahl, S. M.; and Wahl, L. M., 1978, Science (4366), v. 202, 438-440
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
Zavala Velazquez, J.; et al., 1974, Rev. Invest. Clin., v. 26 (4), 389-394
Angiostrongylus costarricensis, children, painful abdominal granulomas, first reported cases in Mexico

Great Britain
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parasite fauna of British freshwater fish, relationship between parasite, host, and environment, lake and flowing water species of parasites compared

Great Britain, England
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

Great Britain, England
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gastro-intestinal nematodes of British police dogs
(Toxocara canis; Toxascaris leonina; Trichuris vulpis; Uncinaria stenocephala)

Great Britain, Wales
Cowper, S. G., 1978, Ann. Trop. Med. and Parasitol., v. 72 (5), 455-459
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)

Great Britain, Wales
Edwards, G. T.; Hackett, F.; and Herbert, I. V., 1979, Brit. Vet. J., v. 135 (5), 426-432
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
Alikhanov, Sh. G., 1973, Parazitologiia, Leningrad, v. 7 (5), 389-391
Thelohania opacita, detrimental effect on growth and development of Aedes caspius caspius from natural populations

Growth, Host
Armstrong, E., 1978, J. Invert. Path., v. 31 (3), 303-306
Nosema whitei-infected Tribolium castaneum, growth and mortality when fed vitamin B-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
Baxter, J. M.; and Jones, A. M., 1978, Marine Biol., v. 46 (4), 305-313
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
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

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
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

Growth, Host
Costa, J. O.; et al., 1977, Arq. Escola Vet. Univ. Fed. Minas Gerais, v. 29 (2), 171-178
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
Ducos de Lahitte, J.; Dorchies, P.; and Franc, M., 1978, Prat. Vet. Equine, v. 10 (4), 157-159
gastro-intestinal strongylosis, foals, weight gains, effect of treatment

Growth, Host
Dykstra, D. D.; and Reid, W. M., 1978, Poultry Science, v. 57 (1), 85-89
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
Fayer, R.; and Lynch, G. P., 1979, Parasitology, v. 79 (3), 325-336
Sarcocystis cruzi-infected calves (exper.), pathophysiological changes in urine and blood, several specific effects beyond those induced by nutritional stress

Growth, Host
Gujral, S.; and Chaudhry, A., 1977, Indian J. Nutrition and Diet., v. 14 (11), 341-344
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, digestion and absorption of nutrients, and nitrogen balance

Growth, Host
Hawkins, C. D.; and Morris, R. S., 1978, Vet. Parasitol., v. 4 (4), 341-351
Fasciola hepatica, sheep (exper.), degree of productivity depression assessed by body-weight change, midside patch wool growth, fleece weights, and feed digestibility

Growth, Host
Hrs-Brenko, M.; and Bozic, E., 1967, Proc. and Tech. Papers, Gen. Fish. Council Mediterranean (8), 179-183
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
Hubert, J.; Kerboeuf, D.; and Gruner, L., 1978, Bull. G.T.V. (6), 1-16
gastrointestinal nematodes, ovine, epidemiology, effect on host growth and plasma pepsinogen levels: Limousin

Growth, Host
Ito, S.; et al., 1977, Nippon Zyuisi-Kai Zassi (J. Japan Vet. Med. Ass.), v. 30 (5), 257-260
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
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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
Long, P. L.; and Millard, B. J., 1978, Parasitology, v. 76 (1), 1-9
Eimeria grenieri in Numida meleagris (intestine, caeca) (nat. and exper.), life cycle, reproduction rate, pathogenicity (severe depression of body weight gain), immunity to reinfection, treatment with sulphaquinoxaline in drinking water and robenidine in food: Britain

Growth, Host
Lowe-Jinde, L., 1979, J. Fish Biol., v. 14 (3), 297-302
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
Meek, A. H.; and Morris, R. S., 1979, Austral. Vet. J., v. 55 (8), 365-369
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
Mohamed, A. M., 1977, Egypt. J. Bilharz., v. 4 (2), 187-194
Trichobilharzia ocellata-infected Lymnaea stagnalis, increased growth rate, reduced tissue glycogen, shifts toward anaerobiosis

Growth, Host
Mohandas, A., 1973, Proc. National Acad. Sc., India, Sect. B, v. 43 (4), 273-277
Cercaria spp. in Indoplanorbis exustus and Lymnaea luteola f. typica snails, abnormal host growth, pathology of digestive gland and gonads, intra-sporocyst and intraredial 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
Cardiodectes medusaeus 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
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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
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Lernaeenicus hemirhamphi on Hemirhamphus xanthopterus and H. far, effects on length, weight, gonad development, and blood composition

Growth, Host
Nesheim, M. C.; et al., 1978, Proc. Roy. Soc. London, s. B, Biol. Sc. (1148), v. 202, 399-408
Moniliformis dubius-infected vs. uninfected rats fed isoenergetic diets containing varying amounts of starch, host and parasite growth

Growth, Host
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nematodes, early-weaned and suckling calves, difference in egg counts and weight gain under different rearing regimes

Growth, Host
Oakley, G. A.; Owen, B.; and Knapp, N. H. H., 1979, Vet. Rec., v. 104 (22), 503-507
Fasciola hepatica, dairy heifers (exper.), production and performance (growth, gestation period, conception rate, calf birthweights, milk production)

Growth, Host
Oikawa, H.; and Kawaguchi, H., 1975, Kiseichu-gaku Zasshi (Japan. J. Parasitol.), v. 24 (3), 99-106
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
Oikawa, H.; and Kawaguchi, H., 1975, Kiseichu-gaku Zasshi (Japan. J. Parasitol.), v. 24 (5), 276-283
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
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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 mansonoides plerocercoid growth factor on body growth and lipid composition in diabetic-hypophysectomized rats

Growth, Host
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Schistosoma mansoni-infected mice, effects on growth, development and gonadal function

Growth, Host
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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
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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
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Growth, Host
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cymothoid isopods, influence on host growth and weight-size ratios

Growth, Host
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Fasciola hepatica, development of rediae in Limnaea spp., dependent upon host growth

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Bucephalopsis haimeanus 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
Shigin, A. A., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 22, 227-231
Diplostomum paraspathaceum, D. spathaceum, lowering rate of growth of [Ctenopharyngodon idella], possible factor in fish culture

Growth, Host
Singhvi, A.; and Johnson, S., 1978, Ztschr. Ang. Zool., v. 65 (4), 449-459
nematodes, Rattus rattus, incidence and intensity of infection in relation to weight, sex, age of host, and month of year: Jodhpur

Growth, Host
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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

Growth, Host
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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)

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
Sucupira, M. S.; and Pupo, A. de A., 1976, AMB, Rev. Ass. Med. Brasil., v. 22 (5), 154-161
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, plerocercoids grew more rapidly during summer, roach less than 9 months of age should not be introduced into confined waters: southern England

Growth, Host
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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
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Trichostrongylus vitrinus, sheep (exper.), chronic infection, food intake and body weight gains, food digestibility, body composition, bone chemistry and histology, serum constituents

Growth, Host
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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

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Ascaris-infected children, levamisole, effect on growth rate; results consistent with a causal association between ascariasis and malnutrition: Ubiri village near Lushoto, Tanzania

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Amblyomma maculatum on pastured Hereford steers, effects of tick infestation on blood composition and weight gain

Growth, Host
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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
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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
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Argulus coregoni, new method for catching fish louse, trapping free-living stage, growth patterns: Lake Malsjoen, Sor-Trondelag

Growth, Parasite
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Haemoproteus columbae in pigeons, growth and development of gametocytes, effect on host cell, multiple infection of erythrocytes, sex ratio

Growth, Parasite
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Herpetomonas samuelpessoai in basic medium or in complex media 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

Growth, Parasite
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 diphyllobothriid cestodes

Growth, Parasite
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Diphyllobothrium dendriticum, abnormal growth pattern in Salmo gairdnieri (exper.)

Growth, Parasite
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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
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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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Eurycestus latissimus sp. nov., reproductive system development sequence, growth analysis

Growth, Parasite
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Growth, Parasite
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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
Christie, P. R.; Wakelin, D.; and Wilson, M. M., 1979, Parasitology, v. 78 (3), 323-330
Trichinella spiralis, Hymenolepis diminuta, rats, concurrent infections, cestode growth was stunted (dependent on relative timing of the 2 infections and on number of Trichinella administered) probably due to non-specific inflammatory component of host response to Trichinella, no loss of cestode nor destrobilation

Growth, Parasite
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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

Growth, Parasite
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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

Growth, Parasite
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Toxoplasma gondii-vertebrate cell interactions, kinetic study of reproductive phase utilizing controlled-environment culture system

Growth, Parasite
Fischthal, J. H., 1978, J. Helminth., v. 52 (1), 29-39
Apocreadium mexicanum, Pseudocreadium lamelliforme, Paracryptogonimus americanus, allometric growth of body proportions and organs, taxonomic implications

Growth, Parasite
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digenetic trematodes of marine fishes, allometric growth, diagnostic usefulness in taxonomic studies: off coast of Belize

Growth, Parasite
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Asymphylodora fishelsoni sp. n., allometric growth

Growth, Parasite
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free-living, plant parasitic, and animal parasitic nematodes, interdependence of body length, body width, and oesophagus length during post-embryonic growth

Growth, Parasite
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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)

Growth, Parasite
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Breinlia booliati, relative susceptibility of 8 insectary-reared mosquito species, larval growth rate and development, role of these potential vectors in natural transmission

Growth, Parasite
Hopkins, C. A.; and Allen, L. M., 1979, Parasitology, v. 79 (3), 401-409
Hymenolepis diminuta in rats, effect of removing strobila on position of scolex in host intestine, effect on worm growth of operating on host

Growth, Parasite
Kessler, R. H.; et al., 1979, Am. J. Vet. Research, v. 40 (12), 1767-1773
Anaplasma marginale, in vitro cultivation in bovine erythrocytes, growth pattern and morphology

Growth, Parasite
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Anaplasma marginale, in vitro cultivation in normal ovine and bovine erythrocytes, transmission from infected ovine to normal bovine cells demonstrated, growth patterns

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
Lugo-Hernandez, A., 1973, Rev. Brasil. Biol., v. 33 (4), 561-573
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
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Tubulovesicula lindbergi and Lecithaster gibbosus in captive Oncorhynchus, parasite life span, maturation, and growth

Growth, Parasite
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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

Growth, Parasite
Nesheim, M. C.; et al., 1978, Proc. Roy. Soc. London, s. B, Biol. Sc. (1148), v. 202, 399-408
Moniliformis dubius-infected vs. uninfected rats fed isoenergetic diets containing varying amounts of starch, host and parasite growth

Growth, Parasite
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Growth, Parasite
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Growth, Parasite
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Hymenolepis erinacei growth and population dynamics in Erinaceus europaeus (exper.)

Growth, Parasite
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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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Growth, Parasite
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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

Growth, Parasite
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Growth, Parasite
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Proctoeces ichiharai, general morphology of developmental stages, growth and relative growth of internal organs

Growth, Parasite
Singhvi, A.; and Johnson, S., 1978, Zool. Anz., Jena, v. 200 (5-6), 417-425
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
Sprent, J. F. A., 1977, Publicaciones Espec. (4), Inst. Biol., Univ. Nac. Autonom. Mexico, 477-485
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

Growth, Parasite
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Hymenolepis peromysci, growth and development of cysticercoids in Tribolium confusum (exper.) and of adult worms in Mesocricetus auratus (exper.)

Growth, Parasite
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Paragonimus kellicotti, life cycle in cats (exper.): migration, development, growth, maturation, distribution in lungs, egg production

Growth, Parasite
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, plerocercoids grew more rapidly during summer, roach less than 9 months of age should not be introduced into confined waters: southern England

Growth, Parasite
Tinsley, R. C.; and Owen, R. W., 1979, J. Helminth., v. 53 (4), 307-316
Xenopodistomum xenopodis from Xenopus laevis 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

Growth, Parasite
Uhazy, L. S., 1977, Canad. J. Zool., v. 55 (2), 265-273
Philometroides huronensis, morphology, growth, and development of larval stages in copepods, transmission to Catostomus commersoni held at controlled temperatures and photoperiods

Growth, Parasite
Vogel, H., 1978, Tropenmed. u. Parasitol., v. 29 (1), 1-11
Echinococcus multilocularis in Microtus arvalis (exper.), cyst growth and structure

Growth, Parasite
Wagland, B. M., 1978, Austral. J. Agric. Research, v. 29 (2), 401-409
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

Growth, Parasite
Wagland, B. M.; Roberts, J. A.; and Sutherst, R. W., 1979, Internat. J. Parasitol., v. 9 (3), 177-182
Haemaphysalis longicornis, growth of each instar during feeding on Bos taurus, criteria based on length which can be used to estimate age of ticks in natural populations

Guadeloupe
Boltanski, E., 1975, Rev. Hyg. et Med. Scol. et Univ., v. 28 (2), 117-122
survey, human intestinal parasites in students of Guadeloupe
(trichocephales; Ascaris; ankylostomes; bilharzies; amibes; Entamoeba coli; Lamblia; oxyures; anguillules; Hymenolepis nana)

Gua emala
E[illegible]n, M. T.; and Palomo Corleto, F., 1973, Rev. Colegio Med. Guatemala, v. 24 (1), 16-26
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; Iodamoeba butschlii; Trichomonas hominis; Chilomastix mesnili; flagelata pequena; Belantidium coli)

Guatemala
Mata, L. J.; et al., 1972, Rev. Colegio Med. Guatemala, v. 23 (1), 30-42
fecal survey, enteropathogenic agents in children suffering from dysentery: Guatemala
(Giardia lamblia; Strongyloides stercoralis; Trichuris trichiura; Uncinaria; Ascaris lumbricoides; Hymenolepis nana)

Haiti
Ripert, C.; and Avouac-Borzee, F., 1975, Ann. Soc. Belge Med. Trop., v. 55 (2), 85-93
intestinal helminthiasis, humans, epidemiological survey and comparative study of fecal diagnostic methods
(necatoriasis; ascaridiasis; trichuriasis; Taenia spp.; H. nana)

Hatching
Baugh, S. C., 1978, Rev. Iber. Parasitol., v. 38 (1-2), 73-93
Trichobilharzia indica, miracidium, description, mode of hatching

Hatching
Becker, W., 1977, Ztschr. Parasitenk., v. 52 (1), 69-79
Schistosoma mansoni miracidia in egg, water uptake and metabolic changes, hatching mechanism

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Histology. [See also Morphology]

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Histopathology. See Pathology.

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Amblyomma hebraeum, presence of ecdysone and ecdysterone in nymphs, supports hypothesis that in ticks ecdysteroids are involved in hormonal control of moulting

Hormones
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Hormones
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Hormones
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Entamoeba histolytica, activation of occult amoebiasis in 19-year-old Vietnamese man being treated for glomerulonephritis with prednisolone: Australia, had been in refugee camp in Thailand

Hormones
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Ornithonyssus sylviarum in roosters receiving varying doses of estradiol, slight increase in mite resistance, compared to mite resistance in untreated pullets, results indicate that estrogen alone may not be responsible for difference in mite susceptibility between male and female birds

Hormones
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Hormones
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Bovicola limbatus, 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

Hormones
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Argas arboreus, hormonal control of diapause

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Hormones
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Hormones
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Hormones
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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

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Hormones
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Hormones
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Hormones
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Hormones
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ascarid metabolites administered to rats, corticosterone contents of adrenal glands and blood plasma changed; statistically significant variations in plasma corticosterone in both experimental and control rats, indicating influence of genotype

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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

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Schistosoma mansoni, mice, observations on ovarian functions during acute infections showed that estrus was present in some infected animals in spite of histopathological changes and decreased levels of progesterone in blood

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Trypanosoma evansi, albino rats (exper.), effect of prednisolone 7 days before infection until death on course of disease

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Strongyloides ratti, virgin rats at different stages of oestrous cycle, no differences in mean intestinal worm burden, thus changes in hormonal environment of migrating larvae did not alter worms' destination or affect their potential for development, other possible sources of variability in experimental infections, 'exact dose' technique as corrective for some procedural errors

Host finding. See Host perception by parasites.

Host, Parasite-free. See Gnotobiotic animals.

Host, Paratenic. See Vectors, Mechanical.

Host, Transport. See Vectors, Mechanical.

Host-parasite relationships. [See also Adaptation]

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helminth parasitism, mammalian inflammatory response, review of morphological aspects of host-parasite interaction

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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
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evolutionary origin of intracellular parasitism, speculative review

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Host-parasite relationships
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helminth life cycles, role of amphixeny (host having double function in life cycle) in their evolution, theoretical review

Host-parasite relationships
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Cuterebra fontinella on Peromyscus leucopus noveboracensis, 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
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host categories (obligatory, paratenic, and potential) and their role in helminth ontogenesis

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

Host perception by parasites
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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
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Haematobia irritans, attraction to Angus bulls and steers (testosterone proprionate treated vs. nontreated), positive relationship between attractance and sebaceous gland numbers and cell numbers

Host perception by parasites
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Diplostomum spathaceum, Hypoderaeum conoideum, Plagiorchiidae sp., Notocotylus attenuatus, labelling cercariae with radioselenium by incubating host snails with radioisotope, no negative effects on cercariae, possible applications of technique; labelled H. conoideum for radioisotope assay of host-finding by measuring snail-bound radioactivity in Helisoma duryi after exposure to cercariae

Host perception by parasites
Christensen, N. Ø., 1979, J. Helminth., v. 53 (1), 7-14
Schistosoma mansoni, various aquatic organisms can interfere with cercarial host-finding

Host perception by parasites
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Fascioloides magna miracidia, scanning electron microscopy of penetration of snail Fossaria bulimoides, attraction, attachment, morphology of apical papilla and epidermal plates, shedding of cilia and epidermal plates

Host perception by parasites
Garben, A. F. M.; van Bronswijk, J. E. M. H.; and van Ebbenhorst Tengbergen, T., 1978, Netherlands J. Zool., v. 28 (2), 193-205
Neotrombicula autumnalis, behaviour of unfed and feeding larvae (stability, movements, and sensory physiology of mite clusters; host finding and feeding), localization on host: the Netherlands

Host perception by parasites
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Host perception by parasites
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Argas cooleyi unfed adults, behavioral changes induced by host odor, breath (CO_2), 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
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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
Kurihara, T., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (1), 8-16
Reesimermis nielseni, attraction of infective stage to Culex pipiens molestus larvae, laboratory conditions

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
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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
Nilsson, A.; and Lundqvist, L., 1978, Oikos, v. 31 (3), 313-322
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
Ørnbjerg Christensen, N.; Nansen, P.; and Frandsen, F., 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)

Host perception by parasites
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

Host perception by parasites
Rechav, Y.; et al., 1978, Nature, London (5678), v. 275, 310-311
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
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

Host perception by parasites
Schmidt, J.; and All, J. N., 1978, Environment. Entom., v. 7 (4), 605-607
Neoaplectana carpocapsae 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
Semenov, O. Iu., 1976, Vestnik Leningrad. Univ. (15), Biol. (3), 26-32
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; Desication; Water]

Humidity
Bejsovec, J., 1978, Ang. Parasitol., v. 19 (2), 76-85
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, 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

Humidity
Callinan, A. P. L., 1978, Internat. J. Parasitol., v. 8 (6), 453-456
Trichostrongylus axei, ecology of free-living stages: development and survival of eggs and larvae, corresponding meteorological data: Pastoral Research Institute, Hamilton, Victoria, Australia

Humidity
Callinan, A. P. L., 1979, Internat. J. Parasitol., v. 9 (2), 133-136
Trichostrongylus vitrinus, development and survival of free-living stages, some corresponding meteorological data: western Victoria, Australia

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

Humidity
Gerasimova, N. G.; and Gavrikova, E. A., 1970, Parazitologiia, Leningrad, v. 4 (4), 385-388
Xenopsylla skrjabini, X. nuttalli, longevity of males and females at different temperatures and humidities under laboratory conditions

Humidity
Hafez, M.; and Hilali, M., 1978, Vet. Parasitol., v. 4 (3), 275-288
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
Hafez, M.; Hilali, M.; and Fouda, M., 1977, Ztschr. Ang. Entom., v. 83 (4), 426-441
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)

Humidity
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 desication, 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
Heath, A. C. G., 1979, Internat. J. Parasitol., v. 9 (1), 33-39
Haemaphysalis longicornis, Ixodes holocyclus, and Rhipicephalus sanguineus eggs, temperature and humidity preferences

Humidity
Iurgenson, 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

Humidity
Kimura, S.; and Shimizu, A., 1978, Japan. J. Vet. Sc., v. 40 (3), 357-359
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
Knapp, F. W.; et al., 1979, Ann. Entom. Soc. Am., v. 72 (3), 331-333
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

Humidity
Kosminskii, R. B.; et al., 1979, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 48-53
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
Nath, S., 1978, Experientia, v. 34 (5), 580-582
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Humidity
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Hyperparasitism
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Hyperparasitism
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Hyperparasitism
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Mytilicola intestinalis from Mytilus edulis, female gonad, ultrastructural study, germinal cells during ovogenesis; protozoan parasite in germinal cells

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Hyperparasitism
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Hyperparasitism
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Hyperparasitism
Lopez-Roman, R.; and Guevara Pozo, D., 1976, Rev. Iber. Parasitol., v. 36 (1-2), 135-138
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Hyperparasitism
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Hyperparasitism
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Hyperparasitism
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Naegleria amoebae contain virus-like particles and an unassociated infectious agent, possible relationship to pathogenicity, review

Hyperparasitism
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Hyperparasitism
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Nosema (including n. spp.) in trematodes: USSR

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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

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Giardia muris found attached to acetabular tegument of Mathevotaenia symmetrica parasitizing small intestine of Mus musculus, paraneoxenous association, probably accidental and probably occurs when heavy infections of Giardia are present in mouse intestine

Hyperparasitism
Yunker, C. E.; and Chitwood, M. B., 1973, Acarologia, v. 14 (4), 530-532
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.

Iakutskaia ASSR. See Russia, Yakutsk ASSR.

Icterus. See Jaundice.

Idaho. See United States, Idaho.

Identification. See Diagnosis.

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Immune complexes. See Immunity, Immune complexes.

Immunity. [See also Interferon; Mast cells; Resistance, Host]

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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysiological response 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
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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'

Immunity
Alvarez Gomez, L. de las N.; and Sordo Gonzalez, M., 1977, Rev. Cubana Med. Trop., v. 29 (3), 129-133
Giardia lamblia, method for obtaining specific antiserum in rabbits

Immunity
Amerault, T. E.; et al., 1978, Am. J. Vet. Research, v. 39 (4), 675-677
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

Immunity
Ananthanarayanan, M.; Gupta, N.; and Subrahmanyam, D., 1979, Indian J. Med. Research, v. 69, 732-738
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
Anderson, M. J. D.; and Griffin, J. F. T., 1979, Internat. J. Parasitol., v. 9 (3), 229-233
Taenia crassiceps, rats, differences in susceptibility to infection and development of immunocompetence in relation to host strain and age

Immunity
Andrade, S. G.; et al., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (6), 395-402
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
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
Andrews, J. D., 1968, Proc. 1967 National Shellfish Ass., v. 58, 23-26
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 pathogen: Virginia waters

Immunity
Antunes, L. J.; et al., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (1), 9-13
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), 628-637
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
Araj, G. F.; Matossian, R. M.; and Frayha, G. J., 1977, Ztschr. Parasitenk., v. 52 (1), 23-30
Echinococcus granulosus, mice with secondary hydatidosis, time-related development of complement-fixing and hemagglutinating antibodies, correlation with cyst development

Immunity
Araj, G. F.; Matossian, R. M.; and Malakian, A. H., 1977, Ztschr. Parasitenk., v. 52 (1), 31-38
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
Arme, C.; and Walkey, M., 1970, Symposia Brit. Soc. Parasitol., v. 8, 79-101
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
Arnaudov, D., 1978, Vet. Med. Nauki, v. 15 (7), 38-46
Toxoplasma gondii strains isolated from rabbits and fetuses of ewes which miscarried, comparative studies of virulence and immunogenicity, role in etiology of abortion

Immunity
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Leishmania mexicana, mice, chronic infection, alterations of immune response, results suggest role for suppressor cells in pathogenesis of diffuse cutaneous leishmaniasis

Immunity
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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
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
Au, A. C. S.; and Ko, R. C., 1979, Ztschr. Parasitenk., v. 58 (3), 233-242
Angiostrongylus cantonensis, rats, small primary infection followed by challenge infection at various periods, worm burden, haematological and serological response

Immunity
Aust-Kettis, A.; and Sundqvist, K. G., 1978, Scand. J. Immunol., v. 7 (1), 35-44
Entamoeba histolytica, distribution and redistribution of antigen determinants and Con A receptors on surface, reappearance of antigen, effect of metabolic inhibitors and pH on ligand induced redistribution, capping and endocytosis in phagocytizing amoebae and influence of inhibitory compounds, variation of expression of surface antigens

Immunity
Baalawy, S. S., 1975, Bull. Animal Health and Prod. Africa, v. 23 (1), 99-102
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
Bailenger, J.; and Souby, J., 1979, Ann. Parasitol., v. 54 (2), 227-235
Strongyloides ratti-infected rats, variations in corticosteronemia during course of infection, importance of time of sampling, possible relationship to worm expulsion

Immunity
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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
Bajwa, R. S.; and Gill, B. S., 1977, Acta Vet. Brno, v. 46 (1-2), 149-158
Eimeria tenella, chickens (exper.), decoquinate vs. amprolium used prophylactically vs. therapeutically, anticoccidial activity against different levels of infection, effect on development of immunity

Immunity
Baker, J. R.; and Liston, A. J., 1978, J. Gen. Microbiol., v. 104 (1), 79-89
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
Balber, A. E.; 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
Ballantyne, A. J.; Sharpe, M. J.; and Lee, D. L., 1978, Parasitology, v. 76 (2), 211-220
Nippostrongylus brasiliensis, rats, Nematodirus 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
Barbour, A. D., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (1), 6-15
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
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malaria as therapy for nephrotic syndrome of childhood, immunological and other aspects, brief review

Immunity
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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
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
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 antigenaemia

Immunity
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Babesia microti, short-term in vitro culture in hamster erythrocytes, inhibitory effect of immune serum on growth in vitro

Immunity
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secretory immunoglobulins and local immunity, colloquium presentation

Immunity
Beaver, J. A.; and Dobson, C., 1978, Internat. J. Parasitol., v. 8 (1), 9-13
Angiostrongylus cantonensis, parasite acetylcholinesterase levels during development and migration in rats, relationship to host immunological response

Immunity
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Nippostrongylus brasiliensis-infected rats, immunologically-mediated intestinal mastocytosis

Immunity
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Nippostrongylus brasiliensis-infected rats, mast cells and histamine levels in tissues

Immunity
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Leishmania tropica major in various strains of mice, course of infection and size distributions of cutaneous lesions, in vitro macrophage function

Immunity
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Nematospiroides dubius, arrested development of larvae in immune mice, resumption of development after cortisone treatment, arrested larvae were insusceptible to activity of pyrantel embonate

Immunity
Behnke, J. M.; and Parish, H. A., 1979, Parasite Immunol., v. 1 (1), 13-26
Nematospiroides dubius, expulsion from intestine of mice treated with immune serum

Immunity
Behnke, J. M.; Wakelin, D.; and Wilson, M. M., 1978, Exper. Parasitol., v. 46 (1), 121-130
Trichinella spiralis, delayed expulsion in mice concurrently infected with Nematospiroides dubius

Immunity
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Trichinella spiralis, rats exposed to abbreviated enteral infection, induction and expression of rapid expulsion response to challenge infection

Immunity
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Trichinella spiralis, role of different life cycle phases in induction, maintenance, and expression of rapid expulsion in rats

Immunity
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opisthorchiasis, patients, indices of cellular and humoral immunity in chronic cases

Immunity
Benach, J. L.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (4), 643-648
Babesia microti, 1 human-derived and 2 rodent-derived isolates from Long Island, immunological relationships

Immunity
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Fasciola hepatica, F. gigantica, Echinococcus granulosus, detection of blood group antigen P1 activity in extracts, not detected in T[aenia] saginata extract

Immunity
Bennet, E. M.; Behm, C.; and Bryant, C., 1978, Internat. J. Parasitol., v. 8 (6), 463-466
Mesocestoides 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
Beverley, J. K. A.; Henry, L.; and Hunter, D., 1978, Research Vet. Sc., v. 24 (2), 139-146
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
Bezubik, B., 1978, Immunological response of sheep to ostertagiosis, haemonchosis and chabertiosis and preparation of UV vaccine, 205 pp.
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
Bhopale, M. K.; and Johri, G. N., 1978, J. Helminth., v. 52 (3), 193-198
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

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
Bickle, Q.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (1), 37-41
Schistosoma mansoni, mice, failure of primary infections with cercariae of 1 sex to induce same degree of resistance to reinfection as bisexual primary infections

Immunity
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Toxocara canis, humans, endophthalmitis, enzyme-linked immunosorbent assay revealed Toxocara-specific antibody in serum and vitreous humor

Immunity
Billecocq, A.; Benex, J.; and Faure, M., 1979, Compt. Rend. Acad. Sc., Paris, v. 288, s. D, Sc. Nat. (5), 575-578
Schistosoma mansoni, acquisition of phospholipid antigens on surface of schistosomula

Immunity
Bitzan, M.; and Spira, D. T., 1978, Israel J. Med. Sc., v. 14 (6), 673-681
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
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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
Bloom, B. R., 1979, Nature, London (5708), v. 279, 21-26
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
Bolbol, A. S.; Hammond, J. A.; and Sewell, M. M. H., 1978, Vet. Sc. Commun., v. 2 (3), 231-235
Fasciola hepatica, rabbits, repeated infections terminated by rafoxanide, host response in terms of resistance, serum glutamic dehydrogenase assays, eosinophil counts, and post-mortem appearance of liver

Immunity
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
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Plasmodium berghei berghei-infected mice treated with chloroquine phosphate, focal glomerulonephritis in hyperimmune state, clinical, immunopathologic, and histopathologic findings

Immunity
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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
Boron-Kaczmarska, A., 1979, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 244 (4), 552-557
Trichinella spiralis, rabbits (exper.), dynamics of immunocytoadherence test, value in diagnostic and prognostic evaluation of trichinellosis

Immunity
Boron-Kaczmarska, A.; et al., 1979, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 245 (3), 387-394
trichinellosis, human, acute phase, IgG, IgA, and IgM levels, percentages of T and B lymphocytes

Immunity
Boulard, C. F., 1979, Vet. Parasitol., v. 5 (4), 379-387
Hypoderma-infected or uninfected calves, treatment with fenthion or trichlorfon, blood histamine levels, circulating antibody titers to Hypoderma lineatum antigen in infected calves; blood histamine levels in guinea pigs after injection of ground-up Hypoderma lineatum larvae or application of fenthion

Immunity
Campbell, N. J.; Kelly, J. D.; and Dineen, J. K., 1978, Vet. Parasitol., v. 4 (4), 317-325
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
Camus, D.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (2), 77-79
Schistosoma mansoni, differences in susceptibility to infection related to human blood types

Immunity
Camus, D.; et al., 1978, Pharmacol. Immunoreg., 253-265
S[chistosoma] mansoni, mice, rats, role of immunomodulating substances from parasites in regulation of immune response

Immunity
Capo, C.; et al., 1979, Compt. Rend. Acad. Sc., Paris, v. 289, s. D, Sc. Nat. (10), 729-732
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
Capron, A.; Dessaint, J. P.; and Capron, M., 1978, Colloque Immun. Parasit. Dis. (Thiverval-Grignon, Sept. 5-9, 1977), 217-230
effector 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 IgG_{2a} 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
Carlson, J. R.; and Goulson, H. T., 1977, J. Elisha Mitchell Scient. Soc., v. 93 (3), 153-157
Strongyloides ratti, rats, standardized techniques developed for maintenance of laboratory infections, strong active acquired immunity demonstrated

Immunity
Carter, R.; Gwadz, R. W.; and Green, I., 1979, Exper. Parasitol., v. 47 (2), 194-208
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
Casarosa, L.; and Orlandi, M., 1978, Ann. Fac. Med. Vet., Pisa, v. 30, 1977, 117-129
Dictyocaulus filaria L_3 larvae, sensitized with immune lamb serum, adherence reaction with normal guinea pig peritoneal macrophages; reaction positive, complement independent and inversely proportional to antisera dilution, induced by an immunoglobulin combining with cuticle of parasite

Immunity
Castro, G. A.; Hessel, J. J.; and Whalen, G., 1979, Parasite Immunol., v. 1 (4), 259-266
Trichinella spiralis, rats, intestinal fluid movement in response to primary or secondary infection, relationship to prevention of worm establishment

Immunity
Catty, D., 1976, Immunol. Parasit. Infect., 359-379
trichinosis, immunity and acquired resistance, review

Immunity
Cesari, I. M.; and Marchiani, C. A., 1978, Exper. Parasitol., v. 45 (2), 175-182
Schistosoma mansoni, haemagglutinating activity of membrane-associated 'agglutinin' is mainly due to acidic phospholipids, possible molecular role of these structural membrane components in evasion of host immunological recognition and/or response

Immunity
Chaicumpa, V.; and Jenkin, C. R., 1978, Austral. J. Exper. Biol. and Med. Sc., v. 56 (1), 61-68
Nematospiroides 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
Chance, M. L.; et al., 1978, Ann. Trop. Med. and Parasitol., v. 72 (6), 533-542
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

Immunity
Chapman, C. B.; et al., 1979, Austral. J. Exper. Biol. and Med. Sc., v. 57 (4), 369-387
chronic parasitic infections in mice, IgG_1 hypergammaglobulinaemia, daily rate and location of production of IgG_1, T cell dependence of response

Immunity
Chapman, C. B.; et al., 1979, Austral. J. Exper. Biol. and Med. Sc., v. 57 (4), 389-400
Mesocestoides corti, Nematospiroides dubius, mice, IgG_1 hypergammaglobulinaemia, 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
Chastel, C.; et al., 1977, Semaine Hop. Paris, v. 53 (18-19), 1059-1066
immunological status of women with regard to the Torch complex (toxoplasmosis, rubella, cytomegalovirus and herpes) surveyed, need for continued serologic surveillance during pregnancy

Immunity
Chedid, L., 1978, Colloque Immun. Parasit. Dis. (Thiverval-Grignon, Sept. 5-9, 1977), 249-262
therapeutic potential of immunoregulating synthetic compounds, enhancement of nonspecific 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), 291-299
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
Trypanosoma lewisi, distribution of surface antigens, movements of surface antigens induced by antibody, endocytosis of antigen-antibody complexes, ultrastructural observations

Immunity
Chinchilla, M.; and Frenkel, J. K., 1978, Infect. and Immun., v. 19 (3), 999-1012
Toxoplasma gondii, Besnoitia jellisoni, 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
Christie, P. R.; Wakelin, D.; and Wilson, M. M., 1979, Parasitology, v. 78 (3), 323-330
Trichinella spiralis, Hymenolepis diminuta, rats, concurrent infections, cestode growth was stunted (dependent on relative timing of the 2 infections and on number of Trichinella administered) probably due to non-specific inflammatory component of host response to Trichinella, no loss of cestode nor destrobilation

Immunity
Cioli, D.; Blum, K.; and Ruppel, A., 1978, Exper. Parasitol., v. 45 (1), 74-80
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
Civil, R. H.; and Mahmoud, A. A. F., 1978, J. Immunol., v. 120 (3), 1070-1072
Bacillus Calmette-Guerin (BCG) induces nonspecific 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 histocompatibility complex of the mouse

Immunity
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 3 S. mansoni antigen preparations), results indicate H-2 region influences course of acute infection but not susceptibility to infection

Immunity
Clark, I. A., 1979, Infect. and Immun., v. 24 (2), 319-325
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Immunity
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Immunity
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Immunity
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Immunity
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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

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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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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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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

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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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Immunity
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Immunity
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Immunity
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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

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Immunity
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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

Immunity
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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
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Immunity
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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

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Immunity
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Plasmodium, spleen cell changes during fatal P. berghei vs. those during self-limiting P. yoelii infections in mice, protective immunity is associated with marked and sustained increases in numbers of Ig^+ and Thy-1·2^+ spleen cells and in fatal infections these proliferative responses are apparently suppressed

Immunity
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Immunity
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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

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Hymenolepis nana, intestinal tissue phase in actively immunized mice, histopathology of reaction is consistent with that of humoral immunity

Immunity
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Haemaphysalis longicornis, rabbits subjected to series of infestations with adult female ticks, development of acquired resistance and precipitating antibody (7S class of immunoglobulin)

Immunity
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Immunity
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Trypanosoma cruzi, strain isolated from Triatoma 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

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

Immunity
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immune response to arthropods, review

Immunity
Gabriel, B. W.; and Justus, D. E., 1979, Internat. Arch. Allergy and Applied Immunol., v. 60 (3), 275-285
Trichinella spiralis, mice, quantitation of immediate and delayed hypersensitivity responses, correlation with worm expulsion

Immunity
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Immunity
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Toxoplasma gondii, mice, effect of age on humoral antibody response and on development of tissue cysts, results suggest age-related decrease in early immune response allows increased multiplication of organisms leading to increased cyst numbers or death

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Immunity
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immune response to tissue cestodes, review

Immunity
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Schistosoma mansoni, scanning electron microscopy of coarse precipitates formed around cercariae by normal non-inactivated guinea pig serum, phenomenon is directly linked to activity of complement

Immunity
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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

Immunity
Giannini, S. H.; and D'Alesandro, 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

Immunity
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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
Gill, B. S., 1971, Ann. Soc. Belges Med. Trop. Parasitol., v. 51 (2), 215-219
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
Gillet, J.; and Herman, F., 1971, Ann. Soc. Belges Med. Trop. Parasitol., v. 51 (6), 655-677
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
Gillet, J.; and Herman, F., 1971, Ann. Soc. Belges Med. Trop. Parasitol., v. 51 (6), 679-681
Trypanosoma equiperdum, development in mouse embryos, no resistance by host animals, fatal infections in all

Immunity
Gillet, J.; and Herman, F., 1973, Ann. Soc. Belge Med. Trop., v. 53 (1), 1-6
Babesia rodhaini, inoculation into mouse embryos on 15th day of gestation, delayed development

Immunity
Gisler, R. H., 1978, Colloque Immun. Parasit. Dis. (Thiverval-Grignon, Sept. 5-9, 1977), 111-126
cellular regulation of immune responses, colloquium presentation

Immunity
Glauert, A. M.; et al., 1978, J. Cell Sc., v. 34, 173-192
Schistosoma mansoni, mechanism of antibody-dependent eosinophil-mediated damage to schistosomula in vitro, phase-contrast and electron microscopic study

Immunity
Glickman, L.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (1), 29-35
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

Immunity
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
Gold, D.; and Kagan, I. G., 1978, J. Parasitol., v. 64 (5), 937-938
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
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

Immunity
Golenser, J.; et al., 1978, Israel J. Med. Sc., v. 14 (5), 606-610
Plasmodium berghei, immunization of chloroquinized 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
Golinska, Z., 1978, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 26 (12), 881-883
Trichinella spiralis, T. pseudospiralis, mice (exper.), percent composition of T and B lymphocytes in peripheral blood

Immunity
Gonzalez-Cappa, S. M.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (4), 221-231
Trypanosoma cruzi epimastigotes in diphasic medium, specific rabbit immune serum altered mobility and morphology and inhibited growth

Immunity
Goodgame, R. W.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1174-1180
Schistosoma mansoni, patients with hepatosplenic vs. intestinal disease, humoral immune responses, no evidence of alterations which might contribute to pathogenesis of hepatosplenic disease

Immunity
Goodger, B. V., 1977, Ztschr. Parasitenk., v. 53 (1), 47-52
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
Goodman, H. C., 1978, Ann. Immunol., v. 129C (2-3), 267-274
immunology and tropical diseases, challenges and opportunities, WHO Special Programme for Research and Training in Tropical Diseases

Immunity
Goodrich, B. S.; and Murray, M. D., 1978, Internat. J. Parasitol., v. 8 (4), 313-320
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
Goose, J., 1978, Nature, London (5677), v. 275, 216-217
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
Gordon, J. R.; and Allen, J. R., 1979, Canad. J. Comp. Med., v. 43 (4), 380-383
Dermacentor andersoni-infected guinea pigs, primary and secondary infestations, basophil response in blood and bone marrow, possible significance in relation to acquired resistance

Immunity
Goven, A. J., 1979, Internat. J. Parasitol., v. 9 (4), 345-349
Nippostrongylus brasiliensis, sensitized rats challenged with varied larval doses, intestinal phospholipase activity, bone marrow eosinophilia, and worm burden

Immunity
Goven, A. J.; and DeBuysscher, E. V., 1979, Am. J. Vet. Research, v. 40 (10), 1469-1471
Trichinella spiralis-infected swine, relation between intestinal phospholipase B activity and numbers of blood eosinophils

Immunity
Green, T. J.; and Kreier, J. P., 1978, Infect. and Immun., v. 19 (1), 138-145
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
Greenblatt, C. L.; et al., 1978, Israel J. Med. Sc., v. 14 (6), 712-717
summing-up of symposium on immunology and immunopathology of malaria

Immunity
Greenwood, B. M.; and Oduloju, A. J., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (4), 408-411
Trypanosoma gambiense extract, mitogenic activity, possible role of mitogenic factor in pathogenesis of hypergammaglobulinemia of African trypanosomiasis

Immunity
Gress, F. M.; and Lumsden, R. D., 1976, Rice Univ. Studies, v. 62 (4), 111-143
Paragonimus kellicotti, tegumental surface membrane, fine structure, topochemistry (rich in acidic carbohydrate), possible relationship to ability of flukes to survive in immunocompetent host

Immunity
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
Griffin, B. R.; and Davis, E. M., 1978, J. Fish. Research Bd. Canada, v. 35 (9), 1186-1190
Myxosoma cerebralis-infected Salmo gairdneri, detection of circulating antibodies with indirect fluorescent antibody test

Immunity
Grove, D. I.; and Civil, R. H., 1978, Exper. Parasitol., v. 44 (2), 181-189
Trichinella spiralis, mice, BCG alters host-parasite relationship producing retention of adult worms in gut, reduction in severity of partial villous atrophy, and increased non-specific resistance to systemic larval phase of parasite

Immunity
Grove, D. I.; Davis, R. S.; and Warren, K. S., 1979, Parasitology, v. 79 (3), 303-316
Brugia malayi, microfilaraemia in mice as model for study of host response to microfilariae

Immunity
Grove, D. I.; Valeza, F. S.; and Cabrera, B. D., 1978, Bull. World Health Organ., v. 56 (6), 975-984
Wuchereria bancrofti, dynamics of filariasis in village inhabitants, clinical, parasitological, immunological, and social aspects: village of Paraiso, Province of Catanduanes, Philippines

Immunity
Gundlach, J. L., 1971, Acta Parasitol. Polon., v. 19 (19-28), 285-306
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
Hafizi, A.; and Mobabber, F. Z., 1978, Clin. and Exper. Immunol., v. 33 (3), 389-394
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
Hall, 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

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., 1978, 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
Handman, E.; Ceredig, R.; and Mitchell, G. F., 1979, Austral. J. Exper. Biol. and Med. Sc., v. 57 (1), 9-29
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
Hansen, R.; de Silva, S.; and Strickland, G. T., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (5), 574-578
Plasmodium berghei, IgM and IgG antisporozoite 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
Hanson, W. L., 1976, Immunol. Parasit. Infect., 222-234
American trypanosomiasis, immunology, review

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
Harris, W. G.; Friedman, M. J.; and Bray, R. S., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (4), 427-430
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
Hartmann, D. P.; and Meerovitch, E., 1979, Clin. Immunol. and Immunopathol., v. 14 (4), 467-473
Entamoeba histolytica, evidence of autologous IgG reacting with antiamoebic 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
Hazlett, C. A.; and Tizard, I. R., 1978, Clin. and Exper. Immunol., v. 33 (2), 225-231
Trypanosoma musculi, immunosuppressive and mitogenic effects, possible relationship of mitogenesis to immunosuppression and non-specific antibody formation associated with infections

Immunity
Heath, D. D.; and Chevis, R. A. F., 1978, J. Parasitol., v. 64 (2), 252
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
Herberts, C., 1978, Compt. Rend. Acad. Sc., Paris, v. 286, s. D, Sc. Nat. (9), 725-728
Sacculina carcini-parasitised Carcinus mediterraneus, immunochemical analysis of hemolymph confirms presence of protein fraction not observed in healthy crabs, some infested crabs develop anti-Sacculina precipitin reaction

Immunity
Herlich, H., 1978, Vet. Parasitol., v. 4 (2), 153-160
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
Herlich, H., 1979, Am. J. Vet. Research, v. 40 (6), 774-776
Trichostrongylus axei, calves given low-degree long-term daily immunizing inoculations, infection kinetics, response to challenge exposure

Immunity
Herlich, H.; and Douvres, F. W., 1979, Am. J. Vet. Research, v. 40 (12), 1781-1782
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
Hillyer, G. V.; et al., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (2), 149-151
Schistosoma mansoni, mice, Millipore diffusion chambers containing live adult worms implanted, produced specific antibodies but not resistance to reinfection

Immunity
Hinz, E., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 242 (2), 268-272
Echinococcus multilocularis, HH vs. S strain, mice treated with fenbendazole as emulsion or in feed, indirect fluorescent antibody titers, compared with untreated mice

Immunity
Hirsch, J. G.; Jones, T. C.; and Len, L., 1974, Ciba Found. Symp., n.s. (25), 205-223
Toxoplasma gondii, interactions in vitro with mouse cells, review

Immunity
Hoerchner, F.; and Albert, H., 1979, Berl. u. Munchen. Tierarztl. Wchnschr., v. 92 (6), 107-111
Taenia saginata, calves inoculated with eggs, response to reinfection and/or drug therapy (mebendazole, praziquantel)

Immunity
Hoerchner, F.; Zander, B.; and Gerber, H. C., 1977, Ztschr. Parasitenk., v. 52 (3), 281-288
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
Holmes, P. H.; et al., 1979, Immunology, v. 36 (3), 415-420
Trypanosoma brucei, method of labelling with [^{75}Se]-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
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
lysosomes, possible role in helminth immunity and immunopathology, review with emphasis on Schistosoma mansoni

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
Hrzenjak, T.; et al., 1977, Vet. Arhiv, Zagreb, v. 47 (6), 317-322
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
Hsü, 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

Immunity
Hubbard, W. J., 1978, Cellular Immunol., v. 39 (2), 388-394
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

Immunity
Hudson, R. J., 1975, Canad. J. Zool., v. 53 (4), 391-394
Protostrongylus stilesi, antiserum-dependent adherence of lymphoid cells from Ovis canadensis to first-stage larvae

Immunity
Hunponu-Wusu, O. O.; et al., 1978, J. Trop. Med. and Hyg., v. 81 (2-3), 42-44
measurement of levels of immunoglobulin M and determination of relationships to levels of malarial antibodies in normal subjects living in a holoendemic malarial region: Nigeria

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 malarial 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 reticuloendothelial system

Immunity
Imohiosen, E. A. E.; Sher, A.; and von Lichtenberg, F., 1978, Parasitology, v. 76 (3), 317-326
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
Irvin, A. D.; Young, E. R.; and Osborn, G. D., 1978, Research Vet. Sc., v. 25 (2), 245-246
Babesia divergens, B. major, attempt to infect mice (nu/nu, nu/+, nu/nu splenectomized, and Lasat), neither parasite became established, B. divergens persisted up to 10 days, B. major lasted only 1 day, B. divergens persisted longer in splenectomized mice but absence of thymus made no apparent difference

Immunity
Ishizaka, K.; Ishizaka, T.; and Takatsu, K., 1977, Progr. Immunol. III, 378-385
B and T cells involved in IgE antibody response, regulation of IgE antibody response through B and T cells, review

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, interaction of primed and unprimed T cells

Immunity
Ito, A., 1978, Exper. Parasitol., v. 46 (1), 12-19
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 immunity, stage at which protection occurred

Immunity
Ito, A.; and Yamamoto, M., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (5), 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
Ito, A.; Yamamoto, M.; and Okamoto, K., 1978, Internat. J. Parasitol., v. 8 (2), 149-153
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 inhibition of production of larvae

Immunity
Jacqueline, E.; Vernes, A.; and Biguet, J., 1978, Exper. 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
James, S. L.; and Colley, D. G., 1978, Cellular Immunol., v. 38 (1), 35-47
Schistosoma mansoni, eosinophil-mediated destruction of eggs in vitro, role of ctyophilic antibody

Immunity
Jayawardena, A. N.; Janeway, C. A., jr.; and Kemp, J. D., 1979, J. Immunol., v. 123 (6), 2532-2539
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
Jayawardena, A. N.; Waksman, B. H.; and Eardley, D. D., 1978, J. Immunol., v. 121 (2), 622-628
Trypanosoma brucei, mice, activation of distinct helper and suppressor T cells, significance in relation to pathogenesis of trypanosomiasis

Immunity
Jimenez Caballero, R.; Molina Pasquel, C.; and Lisker, R., 1973, Rev. Invest. Clin., v. 25 (4), 345-348
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

Immunity
Johnston, L. A. Y.; Leatch, G.; and Jones, P. N., 1978, Austral. Vet. J., v. 54 (1), 14-18
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
Jones, T. C.; Len, L.; and Hirsch, J. G., 1975, J. Exper. Med., v. 141 (2), 466-482
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
Jones, W.O.; Rothwell, T.L.W.; and Adams, D.B., 1978, Internat. Arch. Allergy and Applied Immunol., v. 57 (1), 48-56
Trichostrongylus colubriformis, 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
Joseph, M.; et al., 1978, Clin. and Exper. Immunol., v. 33 (1), 48-56
Schistosoma mansoni, cytotoxicity of human and baboon mononuclear phagocytes against schistosomula in vitro, induction by immune complexes containing IgE and parasite antigens

Immunity
Kagan, I. G., 1979, Am. J. Trop. Med. and Hyg., v. 28 (3), 429-439
immunological aspects of diagnosis, epidemiology and experimental parasitology, presidential address before 27. Ann. Meet. Am. Soc. Trop. Med. and Hyg.

Immunity
Kanamura, H. Y.; et al., 1979, Am. J. 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

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
Karmanska, K.; and Michalska, Z., 1978, Acta Parasitol. Polon., v. 25 (11-20), 191-198
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
Karmanska, K.; and Michalska, Z., 1978, Acta Parasitol. Polon., v. 25 (21-35), 281-286
Trichinella spiralis, composition of 'milky spots' in mesenteries of infected mice, possible role in immunologic processes

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
Kassis, A. I.; Warren, K. S.; and Mahmoud, A. A. F., 1979, J. Immunol., v. 123 (4), 1659-1662
Schistosoma mansoni, antibody-dependent complement-mediated killing of schistosomula in intraperitoneal diffusion chambers in mice

Immunity
Katz, N.; et al., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (5), 273-278
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
Katz, N.; and Pellegrino, J., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (5), 245-252
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
Kazura, J. W.; and Grove, D. I., 1978, Nature, London (5671), v. 274, 588-589
Trichinella spiralis, antibody-dependent eosinophil-mediated destruction mechanism specific for newborn larval stage, destruction of adult worms or muscle larvae not observed

Immunity
Kemp, W. M.; Merritt, S. C.; and Rosier, J. G., 1978, Exper. Parasitol., v. 45 (1), 81-87
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.; Wakelin, 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 susceptibilty of worms to the immune response; effects of immune response of donor on worm survival in recipient

Immunity
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

Immunity
Khovanskikh, A. E.; and Kuznetsova, N. A., 1975, Parazitologiia, Leningrad, v. 9 (1), 77-81
Eimeria tenella-infected chickens, intensity of C^{14}-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
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Trypanosoma cruzi, mice, enhancement of resistance against infection by the immunoregulatory agent muramyl dipeptide

Immunity
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Trypanosoma cruzi, mice, thymus-dependent control of host defense mechanisms

Immunity
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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

Immunity
Kiurtov, N., 1977, Vet. Sbirka, v. 75 (5), 29-32
Babesia bigemina, B. argentina, sheep and cattle, immunity and immunoprophylaxis

Immunity
Klaver-Wesseling, J. C. M.; Vetter, J. C. M.; and Visser, W. K., 1978, Ztschr. Parasitenk., v. 56 (2), 147-157
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
Kloetzel, J.; and Deane, M. P., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (6), 383-387
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 cytophilic antibodies plays a role in immunity

Immunity
Kloosterman, A.; Albers, G. A. A.; and van den Brink, R., 1978, Vet. Parasitol., v. 4 (4), 353-368
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.

Immunity
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
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 was evoked by intraperitoneal passive transfer of anti-D. immitis serum; in vitro cytotoxicity test demonstrated enhanced Mf-killing activity of sensitized PEC with addition of antiserum

Immunity
Kobayakawa, T.; et al., 1979, J. Immunol., v. 122 (1), 296-301
Trypanosoma brucei brucei, mice, polyclonal B cell activation, not dependent on influence of T cells, unlikely that lipopolysaccharides 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
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

Immunity
Koshkina, L. A., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 22, 88-92
Ascaridia galli, in vivo and in vitro studies on effect of host immunity on cuticle permeability

Immunity
Koshkina, L. A., 1973, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 23, 82-86
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
Koshkina, L. A., 1974, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 24, 64-69
Ascaridia galli, ATP-ase, histochemical localization in cutaneous-muscular tissue, optimal conditions for activity, effect of host immunity on activity

Immunity
Koudstaal, D.; Kemp, D. H.; and Kerr, J. D., 1978, Parasitology, v. 76 (3), 379-386
Boophilus microplus, rejection of larvae from British breed cattle with different levels of resistance, relationship to grooming response

Immunity
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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
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

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Entamoeba histolytica, immunity, review

Immunity
Kublitskene, O.; et al., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (2), 153-157
Echinococcus granulosus, effects on rats (plasmocyte reaction, antibody in serum, liver glycogen content, serum transaminase)

Immunity
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strongyloidiasis, lambs, protein fractions of blood in periods of invasion, superinvasion, after dehelminthization, and reinvasion

Immunity
Kumar, P. S.; Kumar, R.; and Mohapatra, L. N., 1978, Indian J. Med. Research, v. 67, 908-917
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
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
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T[richinella] spiralis, humans (nat.), guinea pigs (exper.), humoral immune response, indirect immunofluorescence test, possible application to immunodiagnosis

Immunity
Lalic, R.; Cuperlovic, K.; and Movsesijan, M., 1976, Acta Vet., Beograd, v. 26 (2), 69-75
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
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Myocoptes musculinus, mice, positive skin test to mite antigens, kinetics of IgE antibody response to mite antigens, mast cell degranulation by mite extract

Immunity
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Plasmodium knowlesi in Callithrix jacchus investigated as possible model for immunological studies, course of infection, differential susceptibility, resistance to challenge infection

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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
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Leishmania donovani in dogs (nat. and exper.), clinical, parasitological, and immunological comparisons, epidemiological significance of different clinical forms: Cevennes, southern France

Immunity
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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
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Babesia bigemina, cattle of 2 different age groups (exper.), 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 (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

Immunity
Lauriola, L.; et al., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 240 (2), 251-257
Echinococcus granulosus, preparation of monospecific antisera against antigens in sheep hydatid fluid, useful as reagents in serodiagnostic tests

Immunity
Lee, D. L., 1976, Rice Univ. Studies, v. 62 (4), 175-182
Nippostrongylus brasiliensis, ultrastructural changes in infective larvae in skin of immune mice

Immunity
Lee, E. H.; and Fernando, M. A., 1978, J. Parasitol., v. 64 (3), 483-485
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

Immunity
Leke, R. G. F.; and Viens, P., 1978, IRCS J. Med. Sc., v. 6 (3), 99
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., 1979, Infect. and Immun., v. 26 (3), 1218-1220
Trypanosoma cruzi, simple method for obtaining amastigotes from infected mice, antibody-induced capping of amastigotes

Immunity
Leutskaia, Z. K.; and Matsepa, R. L., 1973, Trudy Gel'mint. Lab.,Akad. Nauk SSSR, v. 23, 105-109
Ascaridia galli-immunized chickens with vitamin A deficiency, lipoprotein and glycoprotein fractions of serum

Immunity
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Ascaridia galli-immunized chickens, changes in cholesterol levels in various tissues, probable role of cholesterol, interdependently with vitamin A, in protecting host organism

Immunity
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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, 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
Lloyd, S.; and Soulsby, E. J. L., 1978, Immunology, v. 34 (5), 939-945
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, Exper. 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
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parasitic disease, children, epidemiology in recent years; humoral and cellular immunity in parasitic infections, brief review

Immunity
Long, E.; Doenhoff, M.; and Bain, J., 1978, J. Helminth., v. 52 (3), 187-191
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, Exper. Parasitol., v. 44 (1), 56-65
Trypansosma 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 trypansome antigen preparation that is more reactive serodiagnostic reagent

Immunity
Long, P. L.; and Millard, B. J., 1978, Parasitology, v. 76 (1), 1-9
Eimeria grenieri in Numida meleagris (intestine, caeca) (nat. and exper.), life cycle, reproduction rate, pathogenicity (severe depression of body weight gain), immunity to reinfection, 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
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Trypanosoma cruzi, lysis of epimastigotes by eosinophils (entirely antibody-dependent) and neutrophils (significant antibody-independent component)

Immunity
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Trypanosoma brucei, mice, strong polyclonal B cell activation, appearance of autoantibodies with various specificites

Immunity
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Leishmania tropica, mice, induction of specific T lymphocyte-dependent proliferative response

Immunity
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Trypanosoma congolense, stocks from East and West Africa, antigenicity and serological relationships

Immunity
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Immunity
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immune response to trypanosomes, review

Immunity
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demonstration of antibodies to Protozoa, extensive review

Immunity
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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
McArthur, C. P., 1978, J. Fish Dis., v. 1 (4), 377-387
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
McCarthy, V. C.; Clyde, D. F.; and Woodward, W. E., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 6-8
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-infective 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 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

Immunity
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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
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malaria, epidemiological aspects, symposium presentation: failure of eradication programs; malaria in pregnancy; interaction between parasite and human erythrocyte

Immunity
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Trichinella spiralis-infected mice, dynamics of antigen binding lymphocytes tested by rosette-forming cell technique

Immunity
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Schistosoma mansoni, antibody (IgG)-mediated adherence of rat eosinophils to schistosomula in vitro with consequent damage to parasite

Immunity
Mackenzie, C. D.; Preston, P. M.; and Ogilvie, B. M., 1978, Nature, London (5690), v. 276, 826-828
Trichinella spiralis, Nippostrongylus brasiliensis, surface of infective larvae and adults may activate complement but not that of new-born larvae, stage-specific antibodies to nematode cuticle are capable of mediating attack by inflammatory cells against nematode surface

Immunity
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

Immunity
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
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
Maddison, S. E.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 966-975
Schistosoma mansoni, intact and B cell deficient mice with and without pretreatment with BCG, course of infection and immune responses

Immunity
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
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
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Schistosoma mansoni, mice, rhesus monkeys, effect of pretreatment with BCG on subsequent infection

Immunity
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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
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
Maekelt, G. A., 1972, Immun. Animal Parasites, 343-363
immune response to Leishmania, review

Immunity
Mahmoud, A. A. F.; et al., 1979, J. Immunol., v. 122 (5), 1655-1657
Schistosoma mansoni, in vitro killing of schistosomula by BCG- or Corynebacterium parvum-activated macrophages

Immunity
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immune response to Babesia, review

Immunity
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
Mahoney, D. F.; Wright, I. G.; and Goodger, B. V., 1979, Austral. Vet. J., v. 55 (1), 10-12
Babesia bovis, calves, single vaccination by attenuated and non-attenuated parasites was sufficient to prevent clinical babesiosis under conditions of reduced tick populations

Immunity
Makimura, S.; and Suzuki, N., 1977, Research Bull. Obihiro Univ., s. 1, v. 10 (2), 401-406
Plasmodium berghei, mice, phagocytosis of parasitized erythrocytes by mouse peritoneal macrophages, concluded that both humoral and cellular factors were important

Immunity
Mangold, B. L.; and Knopf, P. M., 1978, J. Parasitol., v. 64 (5), 813-821
Schistosoma mansoni, recovery of schistosomula from lungs of normal and resistant rats was dependent upon assay conditions employed (incubation medium, incubation time, perfusion procedure), optimal assay conditions established

Immunity
Manning, D. D.; Manning, J. K.; and Reed, N. D., 1976, J. Exper. Med., v. 144 (1), 288-292
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

Immunity
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E[chinococcus] cysticus, E[chinococcus] alveolaris, humans, serum antibodies, complement fixation, indirect haemagglutination, and indirect enzyme immune (ELISA) techniques

Immunity
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Immunity
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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
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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
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Immunity
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Immunity
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Mesocestoides corti, in vitro antiparasitic effects of intestinal extracts from mice subcutaneously vaccinated with live tetrathyridia not observed with intestinal extracts from previously orally infected or control mice, tetrathyridia pretreated with mouse serum from subcutaneously vaccinated mice were killed by incubation in intestinal extracts from untreated donor mice

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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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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
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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

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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

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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
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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
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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

Immunity
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Immunity
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Immunity
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T[richinella] spiralis-infected mice, migration pathways of T lymphocytes in small intestine

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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
Santoro, F.; Liebart, M. C.; and Capron, A., 1978, Protides Biol. Fluids, v. 26, 215-218
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Nematospiroides 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

Immunity
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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

Immunity
Senft, A. W.; Gibler, W. B.; and Knopf, P. M., 1978, Am. J. Trop. Med. and Hyg., v. 27 (2, pt. 1), 258-266
Schistosoma mansoni, tegument development in permissive (mouse, hamster) vs. non-permissive (rat) hosts, scanning electron microscopy

Immunity
Sethi, K. K.; and Brandis, H., 1978, Ztschr. Immunitaetsforsch., v. 154 (3), 226-242
Toxoplasma gondii, characteristics of soluble T-cell derived factor(s) which can induce non-immune murine macrophages to exert anti-toxoplasma activity

Immunity
Shakespeare, P. G.; Trigg, P. I.; and Tappenden, L., 1979, Ann. Trop. Med. and Parasitol., v. 73 (4), 333-343
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
Sharma, S. P.; and Gautam, O. P., 1978, Arch. Vet., Inst. Cercet. Vet. si Bioprep. Pasteur, v. 13, 117-126
Toxoplasma gondii, pregnant ewes (exper.), clinical manifestations, serology, macroscopic and microscopic findings, histopathology

Immunity
Shcheulov, A. P., 1974, Parazitologiia, Leningrad, v. 8 (6), 553-562
Toxoplasma gondii, rabbits immunized with high vs. low virulence strain, immunodiffusion and complement fixation tests, serum protein fractions

Immunity
Shchukin, P. I.; et al., 1978, Izvest. Akad. 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.; 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 complexes; high levels of anti-Forssman antibodies

Immunity
Sheikh, N. A., 1977, Pakistan J. Scient. Research, Lahore, v. 29, 1-6
R[hipicephalus] appendiculatus, rabbits, immune response to different number of ticks feeding at same time, engorgement and moulting periods, amounts of blood ingested; density dependent effect possibly due to increased cellular reaction of sensitized host

Immunity
Sher, A., 1977, Progr. Immunol. III, 688-695
Schistosoma mansoni, mice, effector mechanisms in host response, review

Immunity
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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
Shirahata, T.; et al., 1977, Ztschr. Parasitenk., v. 53 (1), 31-40
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 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, % 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
Siebert, A. E., jr.; Good, A. H.; and Simmons, J. E., 1978, Internat. J. Parasitol., v. 8 (1), 39-43
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., 1978, Internat. J. Parasitol., 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
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
Silakova, L. N.; and Pustovgar, I. E., 1971, Parazitologiia, Leningrad, v. 5 (6), 539-541
Trichinella spiralis, white mice, effect of splenectomy on course of infection

Immunity
Singh, B. B.; and Rao, B. V., 1977, Riv. Parassitol., Roma, v. 38 (1), 5-6
Taenia taeniaeformis cysticerci, albino rats found to be immune to superinfection

Immunity
Singh, J.; and Gill, B. S., 1976, Riv. Parassitol., Roma, v. 37 (1), 57-62
Eimeria necatrix, different levels of infection, chicks, activity of decoquinate used prophylactically and therapeutically, effect on development of immunity

Immunity
Singh, J.; and Gill, B. S., 1976, Riv. Parassitol., Roma, v. 37 (1), 63-70
Eimeria necatrix, different levels of infection, chicks, activity of amprolium used prophylactically and therapeutically, effect on development of immunity

Immunity
Singh, J.; and Hussain, O., 1978, Indian Vet. J., v. 55 (1), 56-60
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), 635-652
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. Trop. Med. and Pub. Health, v. 9 (2), 142-152
humoral immune response in parasitic infections, review

Immunity
Slutzky, 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
Smith, H. J., 1978, Vet. Parasitol., v. 4 (3), 265-273
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
Hyostrongylus 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), 430-435
Schistosoma mansoni, acquisition of antigens in intracellular substance of mouse skin by schistosomula

Immunity
Smith, M. A.; and Clegg, J. A., 1979, Parasitology, v. 78 (3), 311-321
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
Smith, R. D.; et al., 1979, Am. J. Vet. Research, v. 40 (12), 1678-1682
babesiosis, cattle, vaccination experiments to assess immunogenicity of and protection conferred by culture-derived Babesia bovis antigens against tick-borne infection

Immunity
Smith, W. D.; and Christie, M. G., 1978, Internat. J. Parasitol., v. 8 (3), 219-223
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. 89 (1), 141-150
Haemonchus contortus, lambs (exper.), factors influencing degree of host resistance after immunization with attenuated larvae

Immunity
Smithers, S. R., 1976, Immunol. Parasit. Infect., 296-332
schistosomiasis, fascioliasis, Clonorchis sinensis, Apatemon gracilis, immunity, review

Immunity
Smithers, S. R.; and Ramalho-Pinto, F. J., 1978, Colloque Immun. Parasit. Dis. (Thiverval-Grignon, Sept. 5-9, 1977), 39-49
Schistosoma mansoni, concomitant immunity, response of host to schistosomular surface antigens, colloquium presentation

Immunity
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
Sogandares-Bernal, F.; and Voge, M., 1978, J. Parasitol., v. 64 (4), 620-624
Mesocestoides corti from infected mice or maintained in culture medium and then exposed to immune mouse serum, 7S 2_b antibodies found attached to body surfaces and wall of excretory bladder of tetrathyridia

Immunity
Sogorb S., F.; et al., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (3), 131-138
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

Immunity
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yeast glucan and immunotherapy of infectious diseases, review including section on Plasmodium berghei

Immunity
Soulsby, E. J. L., 1978, Handb. Exper. Immunol. (Weir), 3. ed., 43.1-43.22
immunological methods in helminthology, review

Immunity
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

Immunity
Spencer, H. C.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (4), 664-670
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
Stankiewicz, M., 1970, Acta Parasitol. Polon., v. 18 (27-41), 463-472
Strongyloides papillosus, sheep, complement fixing and precipitating antibodies after infection and re-infections

Immunity
Stankiewicz, M.; Maddison, S. E.; and Kagan, I. G., 1975, Acta Parasitol. Polon., v. 23 (26-40), 417-423
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[ntamoeba] 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
Storey, J.; et al., 1979, Ann. Trop. Med. and Parasitol., v. 73 (4), 311-315
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
Sturrock, R. F.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 251-261
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
Subrahmanyam, D.; et al., 1978, J. Clin. Microbiol., v. 8 (2), 228-232
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
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

Immunity
Suemura, M.; Urban, J. F., jr.; and Ishizaka, K., 1978, J. Immunol., v. 121 (6), 2413-2421
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
Sullivan, T. J.; Parker, K. L.; and Parker, C. W., 1973, Research Commun. Chem. Path. and Pharmacol., v. 6 (2), 709-717
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 indicating that immunologically specific reaction involved

Immunity
Sutherst, R. W.; Wagland, B. M.; and Roberts, J. A., 1978, Internat. J. Parasitol., v. 8 (4), 321-324
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
Suvatte, V.; et al., 1979, Southeast Asian J. Trop. Med. and Pub. Health, v. 10 (3), 358-367
acquired platelet dysfunction with eosinophilia, children, postulation on possible relationships of intestinal parasites and host defense mechanism

Immunity
Swietlikowski, M., 1974, Acta Parasitol. Polon., v. 22 (35-44), 459-471
Dictyocaulus viviparus, calves, four age groups, double immunization, challenged one month later, course of defence reaction

Immunity
Swietlikowski, M., 1975, Acta Parasitol. Polon., v. 23 (1-11), 147-157
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
Swietlikowski, M.; and Moczon, T., 1978, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 26 (8), 549-554
Hymenolepis diminuta, lack of protective immunity in rats following immunization with increasing doses of oncospheres, cysticercoids, and mature Hymenolepis homogenates

Immunity
Tachon, P.; and Borojevic, R., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (6), 605-609
Schistosoma mansoni, prenatal sensitization to schistosomal antigen in children born to infected mothers

Immunity
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
Tanaka, J.; Baba, T.; and Torisu, M., 1979, J. Immunol., v. 122 (1), 302-308
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
Tanner, C. E., 1978, J. Parasitol., v. 64 (5), 956-957
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
Tanner, C. E.; Lim, H. C.; and Faubert, G., 1978, Exper. Parasitol., v. 45 (1), 116-127
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

Immunity
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
Tavares, C. A. P.; et al., 1978, Parasitology, v. 77 (2), 225-233
Schistosoma mansoni, evidence for role of serum factors in protecting artificially transformed schistosomula against antibody-mediated killing in vitro

Immunity
Teixeira, A. R. L.; et al., 1978, J. Clin. Invest., v. 62 (6), 1132-1141
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
Teixeira, A. R. L.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1097-1107
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
Terry, R. J., 1976, Immunol. Parasit. Infect., 203-221
African trypanosomiasis, immunity, review

Immunity
Terziiski, A.; and Dragneva, N., 1976, Khelmintologiia, 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, Indian J. Animal Sc., v. 49 (8), 643-645
Schistosoma incognitum miracidia, effects of normal and immune sera and of complement

Immunity
Thiery, G., 1978, Ann. Immunol., v. 129C (4), 503-522
rabbit's appendix, immunological model applied to study of epithelial immunity, including that against coccidiosis

Immunity
Thiery, G., 1978, Bull. Acad. Vet. France, 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
Thong, Y. H.; et al., 1978, Am. J. Trop. Med. 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
Thong, Y. H.; et al., 1978, Tr. Roy. Soc. Trop. 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, mechanism of this immunity unknown

Immunity
Thoongsuwan, S.; Cox, H. W.; and Patrick, R. A., [1979], J. Parasitol., v. 64 (6), 1978, 1060-1066
Plasmodium chabaudi, Babesia rodhaini, rats, serologic specificity of immunoconglutinin associated with infectious anemia and its role in nonspecific acquired resistance

Immunity
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
Thorne, K. J. I.; Svvennsen, R. J.; and Franks, D., 1978, Infect. and Immun., v. 21 (3), 798-805
Trypanosoma dionisii, cytotoxicity of granulocytes 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., v. 59 (7), 507-510
subclinical parasitism in dairy and beef cattle, economic importance, resistance and immunity, treatment, review

Immunity
Torpier, G.; Capron, A.; and Ouaissi, M. A., 1979, Nature, London (5703), v. 278, 447-449
Schistosoma mansoni, receptor for IgG(Fc) and human β_2-microglobulin on schistosomula

Immunity
Torpier, G.; Ouaissi, 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 antisera to host antigenic determinants

Immunity
Torres-Rodriguez, J. M.; and Wisnivesky, C., 1978, Ann. Parasitol., v. 53 (5), 479-486
Echinococcus granulosus, mice (exper.), kinetics of serological response, immunoelectrophoresis, double diffusion, latex agglutination, and passive hemagglutination

Immunity
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

Immunity
Toure, S. M.; et al., 1978, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 31 (3), 293-313
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

Immunity
Trangle, 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
Tribouley, J.; Tribouley-Duret, J.; and Appriou, M., 1978, Compt. Rend. Soc. Biol., Paris, v. 172 (5), 902-904
Schistosoma mansoni, nude mice injected with BCG decreased recovery of pulmonary schistosomules compared to non-injected controls

Immunity
Tribouley, J.; Tribouley-Duret, J.; and Appriou, M., 1979, Path. Biol., v. 27 (8), 491-492
Schistosoma mansoni, mice, nonspecific resistance after injection or reinjection of BCG

Immunity
Trigg, M. E., 1979, South. Med. J., v. 72 (5), 593-599
immune functions of the spleen, includes information on malaria with special reference to Plasmodium inui in rhesus monkeys

Immunity
Trischmann, T.; et al., 1978, Exper. Parasitol. v. 45 (2), 160-168
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
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 (mast cells, leukocytes, polymorphonuclear eosinophils)

Immunity
Trueman, K. F.; and Blight, G. W., 1978, Austral. Vet. J., v. 54 (6), 301-305
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
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

Immunity
Turner, K. J.; Feddema, L.; and Quinn, E. H., 1979, Internat. Arch. Allergy and Applied Immunol., v. 58 (2), 232-236
Ascaris lumbricoides, Necator americanus, non-specific potentiation of IgE by parasitic infections in man

Immunity
Upadhyay, A. N.; and Ahluwalia, S. S., 1976, Indian Vet. J., v. 53 (12), 972-973
mixed coccidial infection, pig, first infection did not confer any immunity, pig became resistant to challenge after second infection

Immunity
Urban, J. F., jr.; and Ishizaka, K., 1978, J. Immunol., v. 121 (1), 199-203
Nippostrongylus brasiliensis-infected rats, effector mechanisms of IgE-B cell-generating factor

Immunity
Urban, J. F., jr.; Ishizaka, T.; and Ishizaka, K., 1978, J. Immunol., v. 121 (1), 192-198
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
Vadas, M. A.; et al., 1979, Proc. National Acad. Sc., v. 76 (4), 1982-1985
Schistosoma mansoni, major histocompatibility complex products restrict adherence of cytolytic T lymphocytes to minor histocompatibility antigens or to trinitrophenyl determinants on schistosomula

Immunity
Valdivieso, D.; and Tamsitt, J. R., 1970, Rev. Biol. Trop., v. 17 (1), 1969, 1-25
immunology of nematode infections, review, extensive bibliography of early literature on immunity

Immunity
Van Meirvenne, N.; Janssens, P. G.; and Magnus, E., 1973, Ann. Soc. Belge Med. Trop., v. 53 (1), 49-56
Trypanosoma brucei, blood incubation infectivity test, influence of several factors on process of lysis and neutralization of T. brucei in human serum

Immunity
Van Meirvenne, N.; Magnus, E.; and Janssens, P. G., 1976, Ann. Soc. Belge Med. Trop., v. 56 (1), 55-63
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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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

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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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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

Immunity
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Immunity
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Immunity
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Schistosoma mansoni, newly hatched miracidia possess surface membrane-associated determinants that are antigenically similar to macromolecular component(s) of Biomphalaria glabrata hemolymph

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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
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parasitic infections, immunological reactions, immunological complexes, complement, IgE, cell-mediated immunity, antigenic behavior of parasites, review

Immunity, Agar gel diffusion. See Immunity, Precipitation.

Immunity, Agglutination
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Immunity, Agglutination
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Toxoplasma gondii, humans, agglutinotest compared with indirect immunofluorescence, agglutinotest not satisfactory

Immunity, Agglutination
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Immunity, Agglutination
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Immunity, Agglutination
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Immunity, Agglutination
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Immunity, Agglutination
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Immunity, Agglutination
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Immunity, Agglutination
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Immunity, Agglutination
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Immunity, Agglutination
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Immunity, Agglutination
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Immunity, Agglutination
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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
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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. 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, Agglutination
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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
Baruffa, G.; and Alcantara Filho, A., 1973, Rev. Soc. Brasil. Med. Trop., v. 7 (5), 329-332
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Immunity, Agglutination
Baruffa, G.; and Alcantara Filho, A., 1975, Rev. Soc. Brasil. Med. Trop., v. 9 (3), 121-127
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Immunity, Agglutination
Batista, S. M.; et al., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (6), 317-323
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

Immunity, Agglutination
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Immunity, Agglutination
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Immunity, Agglutination
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Ancylostoma caninum, mice, single and repeated infections, haemagglutination test, evidence of presence of antibodies in serum and intestinal tissue

Immunity, Agglutination
Bokhout, 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
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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, Agglutination
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African trypanosomiasis, humans, capillary tube indirect hemagglutination test, useful diagnostic tool for field surveys

Immunity, Agglutination
Boroskova, Z.; and Benkova, M., 1978, Vet. Med., Praha, v. 51, v. 23 (5), 283-287
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, Y.; Letarte, R.; and Gagnon, J., 1979, Canad. J. Microbiol., v. 25 (6), 788-789
Fasciola hepatica, hemagglutination titers in Alces americana: Province of Quebec, Canada

Immunity, Agglutination
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Immunity, Agglutination
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Toxoplasma gondii, pregnant women, serodiagnosis, review

Immunity, Agglutination
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Trypanosoma cruzi, human, hemagglutination test with chromium chloride, formalin-treated human erythrocytes evaluated for diagnostic purposes

Immunity, Agglutination
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Trypanosoma cruzi, human, comparative serologic diagnosis, complement fixation, immunofluorescence, hemagglutination, flocculation tests

Immunity, Agglutination
Camargo, M. E.; et al., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (3), 152-160
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
Camargo, M. E.; Batista, S. M.; and Hoshino-Shimizu, S., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (6), 350-354
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
Camargo, M. E.; Hoshino, S.; and Siqueira, G. R. V., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (2), 81-85
Trypanosoma cruzi, aldehyde-preserved human erythrocytes used with the hemagglutination test, practical diagnostic test for routine purposes

Immunity, Agglutination
Camargo, M. E.; Hoshino-Shimizu, S.; and Umezawa, E. S., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (4), 230-235
Trypanosoma cruzi, I.M.T.-Chagas flocculation test evaluated, compared with complement fixation, hemagglutination and immunofluorescence test results

Immunity, Agglutination
Camargo, M. E.; and Leser, P. G., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (4), 227-238
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Immunity, Agglutination
Camargo, M. E.; Leser, P. G.; and Leser, W. S. P., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (4), 215-226
Toxoplasma gondii, comparative study of hemagglutination, complement fixation, IgG- and IgM-immunofluorescence tests on human serum samples

Immunity, Agglutination
Camargo, M. E.; Leser, P. G.; and Rocca, A., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (1), 41-44
toxoplasmosis, humans, diagnosis, early and late peaks in hemagglutination titers separated by paradoxically low values

Immunity, Agglutination
Carney, W. P.; et al., 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (4), 471-479
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
Ceneviva, A. C.; and Camargo, M. E., 1979, Am. J. Trop. Med. and Hyg., v. 28 (4), 622-626
Plasmodium gallinaceum-parasitized chicken erythrocytes used in a practical hemagglutination test for IgM antibodies in human malarias, useful complementary tool for seroepidemiologic studies

Immunity, Agglutination
Cerisola, J. A.; Alvarez, M.; and De Rissio, A. M., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (6), 403-411
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 i Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 73 (6), 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

Immunity, Agglutination
Chen, S. N.; and Suzuki, T., 1974, Taiwan i 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.; Suzuki, T.; and Liu, K. H., 1973, Taiwan i 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 cyclopis, possible use in detecting human infection

Immunity, Agglutination
Cimerman, B.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (2), 113-116
Toxoplasma gondii, human, diagnosis, evaluation of direct agglutination test, less useful than the indirect fluorescent antibody test

Immunity, Agglutination
Coltorti, E. A.; and Varela-Diaz, V. M., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 226-229
Echinococcus granulosus, humans, double diffusion test for detection of antibodies against arc 5 antigens, comparison with immuno-electrophoresis and latex agglutination

Immunity, Agglutination
Contreras, M. del C.; et al., 1978, Bol. Chileno Parasitol., v. 33 (3-4), 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
da Cunha, A. S.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (6), 387-392
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
Deelder, A. M.; and Eveleigh, P. C., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (2), 178-180
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
DeFord, J. W., 1973, South. Med. J., v. 66 (10), 1149-1153
amebiasis, new methods of diagnosis and treatment with emphasis on the indirect hemagglutination test and metronidazole

Immunity, Agglutination
Dharmkrong-at, A.; Uahkowithchai, V.; and Sirisinha, S., 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (3), 330-337
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, Agglutination
Dias, L. C. de S.; et al., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (1), 37-44
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
Di Nardo, V.; De Rosa, F.; and Toraldo, P., 1977, Riv. Parassitol., Roma, v. 38 (1), 103-107
echinococcosis, incidence of recurrence 1-20 years after surgical removal, detection of subclinical parasitosis using indirect haemagglutination

Immunity, Agglutination
Doby, J. M.; Hocquet, P.; and Kombila-Favry, M., 1978, Rev. Franc. Gynec. et Obst., v. 73 (6), 453-456
toxoplasmosis, immunoserologic diagnosis in pregnant women, responsibilities of physicians and diagnostic laboratories in providing accurate diagnostic information

Immunity, Agglutination
Dwivedi, S. K.; and Gautam, O. P., 1978, Indian J. Animal Sc., v. 48 (2), 148-149
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), 395-396
Babesia bigemina, calves (exper.), diagnosis, capillary tube agglutination test

Immunity, Agglutination
Dymowska, Z.; Zakrzewska, A.; and Aleksandrowicz, J., 1970, Acta Parasitol. Polon., v. 18 (13-26), 221-230
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 precipitin test, indirect haemagglutination test, and immunoglobulins in serum and cerebrospinal fluid

Immunity, Agglutination
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, Agglutination
Felgner, P., 1978, Tropenmed. u. Parasitol., v. 29 (4), 417-422
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 (IHAT), comparison with Sabin-Feldman dye test, complement fixation test, and 2 commercial IHAT kits

Immunity, Agglutination
Fiorillo, A. M.; da Costa, J. C.; and Passos, J., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (6), 371-376
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
Franca-Rodriguez, M. E.; et al., 1976, Rev. Uruguaya Patol. Clin. y Microbiol., v. 14 (1), 28-34
Chagas disease, humans, evaluation of the latex agglutination test for diagnosis, comparison with other frequently used seroimmunologic techniques

Immunity, Agglutination
Gladysz-Pawlak, K., 1977, Acta Parasitol. Polon., v. 24 (28-34), 345-355
F[asciola] hepatica, cattle, diagnosis with latex reaction, recommended as particularly useful for mass field examinations

Immunity, Agglutination
Glickman, L.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (3), 492-498
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, 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
Gonzalez, E. F.; Long, R. F.; and Todorovic, R. A., 1978, Am. J. Vet. Research, v. 39 (9), 1538-1541
Anaplasma marginale, cattle, diagnosis, comparisons of complement-fixation, indirect fluorescent antibody, and card agglutination tests

Immunity, Agglutination
de Gonzalez, G. R.; and Andres, A. S., 1977, Acta Bioquim. Clin. Latinoam., v. 11 (4), 353-356
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
Gradkovskaia, N. V.; Gracheva, L. I.; and Shemanova, G. F., 1978, Zhurnal Mikrobiol., Epidemiol. i Immunol. (8), 106-109
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
Grove, D. I.; and Davis, R. S., 1978, Am. J. Trop. Med. and Hyg., v. 27 (3), 508-513
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
Guimaraes, M. C. S.; Ribeiro, M. T.; and Camargo, M. E., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (3), 182-190
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
Guirges, S. Y.; Sant, M. V.; and Nimbkar, Y. S., 1978, J. Hyg., Epidemiol., Microbiol. and Immunol., v. 22 (2), 208-218
Entamoeba histolytica, human, diagnosis by indirect haemagglutination test

Immunity, Agglutination
Gundlach, J. L., 1971, Acta Parasitol. Polon., v. 19 (1-8), 9-47
Fasciola hepatica, structure of 41 antigens, serologic activity in rabbits using 5 tests

Immunity, Agglutination
Gundlach, J. L., 1971, Acta Parasitol. Polon., v. 19 (19-28), 285-306
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, 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
Henry, S. C., 1979, J. Am. Vet. Med. Ass., v. 174 (6), 601-603
Eperythrozoon suis, swine, clinical signs of infection confirmed by indirect hemagglutination and measuring packed cell volume; oxytetracycline and arsanilic acid combined with lice control, arsenic toxicosis

Immunity, Agglutination
Hess, U.; Eckert, J.; and Frohlich, A., 1974, Schweiz. Med. Wchnschr., v. 104 (24), 853-859
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
Hoghooghi, N.; et al., 1977, Trop. and Geogr. Med., v. 29 (4), 393-398
Echinococcus granulosus, humans, evaluation of indirect haemagglutination and immediate intradermal tests, diagnosis

Immunity, Agglutination
Hoshino, S.; Camargo, M. E.; and Correa, N. S., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (3), 192-194
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
Hoshino, S.; Camargo, M. E.; and da Silva, L. C., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (2), 136-143
Schistosoma mansoni, human, hemagglutination test (formalin-treated erythrocyte-coated adult worm extract) and immunofluorescence (adult worm particles fixed on microscope slides), comparison

Immunity, Agglutination
Hoshino-Shimizu, S.; Camargo, M. E.; and Nagasse, T. K., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (4), 208-212
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. Parasitol., 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, IHA titers of blood samples from ear lobe collected on filter paper and of sera obtained by venipuncture showed high correlation

Immunity, Agglutination
Kamiya, M.; et al., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), 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
Kanamura, H. Y.; Hoshino-Shimizu, S.; and da Silva, L. C., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (2), 76-81
S[chistosoma] mansoni, human, pattern of class-specific fluorescent antibodies according to infection stages, hemagglutination test comparisons

Immunity, Agglutination
Kertesz, V.; Roberts, P. W.; and Sharp, P., 1979, Med. J. Australia, v. 2 (13), 678-680
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
Krogstad, D. J.; et al., 1978, Ann. Int. Med., v. 88 (1), 89-97
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

Immunity, Agglutination
Kuberski, T., 1978, Sex. Transmit. Dis., v. 5 (3), 97-102
Trichomonas vaginalis, evaluation of the indirect hemagglutination technique, appears potentially useful for diagnosis of infection in men and in sero-epidemiologic studies

Immunity, Agglutination
Kumar, P. S.; Kumar, R.; and Mohapatra, L. N., 1978, Indian J. Med. Research, v. 67, 908-917
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), 82-85
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. Sc., v. 27 (3), 390-391
Sarcocystis in dogs, foxes, sheep, and cattle, Toxoplasma gondii in sheep, prevalence, indirect haemagglutination reaction for serodiagnosis: New South Wales

Immunity, Agglutination
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, Agglutination
Leser, P. G.; Camargo, M. E.; and Baruzzi, R., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (4), 232-236
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

Immunity, Agglutination
Lima Samayoa, O.; Maselli, R.; and Aguilar, F. J., 1973, Rev. Colegio Med. Guatemala, v. 24 (2), 120-128
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
Trypansosma 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 trypansome antigen preparation that is more reactive serodiagnostic reagent

Immunity, Agglutination
Lopes, E. R.; et al., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (2), 57-59
Chagas disease, results of complement fixation and hemagglutination tests compared using pericardial fluid from autopsy cases with chronic cardiomyopathy

Immunity, Agglutination
Lopes, E. R.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 244-246
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
Lopez V., G.; and Todorovic, R. A., 1978, Vet. Parasitol., v. 4 (1), 1-9
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
Luzzio, A. J.; McRoberts, M. J.; and Euliss, N. H., 1979, J. Infect. Dis., v. 140 (3), 370-377
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, Agglutination
McArthur, C. P., 1978, J. Fish Dis., v. 1 (4), 377-387
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
Magat, W. J.; and Jeska, E. L., 1976, Acta Parasitol. Polon., v. 24 (11-19), 191-198
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
Magonigle, R. A.; and Eckblad, W. P., 1979, Cornell Vet., v. 69 (4), 402-410
Anaplasma marginale in non-splenectomized Cervus canadensis canadensis (exper.), hematologic, serologic, and clinical studies, diagnosis of carrier state by plasma and serum rapid card agglutination tests

Immunity, Agglutination
Mahajan, R. C.; et al., 1976, Indian J. Path. and Microbiol., v. 19 (2), 123-126
amoebiasis, human, diagnosis, evaluation of Serameba, counter-immunoelectrophoresis, and bentonite flocculation tests

Immunity, Agglutination
Mahajan, R. C.; and Joshi, R. M., 1979, Indian J. Med. Research, v. 69, 247-250
Toxoplasma gondii, human, comparative evaluation of slide haemagglutination and tube haemagglutination test for serodiagnosis

Immunity, Agglutination
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, Agglutination
Mannweiler, E.; Felgner, P.; and Lederer, I., 1979, Deutsche Med. Wchnschr., v. 104 (32), 1139-1142
E[chinococcus] cysticus, E[chinococcus] alveolaris, humans, serum antibodies, complement fixation, indirect haemagglutination, and indirect enzyme immune (ELISA) techniques

Immunity, Agglutination
Mannweiler, E.; and Lederer, I., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 240 (3), 403-408
E[ntamoeba] histolytica, humans, diagnostic value of counter-immunoelectrophoresis in comparison to complement fixation, indirect haemagglutination, and latex agglutination tests

Immunity, Agglutination
Mannweiler, E.; Lederer, I.; and zum Felde, I., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 240 (3), 397-402
L[eishmania] 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
Mayrink, W.; et al., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (4), 273-276
Leishmania donovani, human, latex agglutination test specific diagnosis for kala-azar

Immunity, Agglutination
Menzel, S.; and Bienzle, U., 1978, Tropenmed. u. Parasitol., v. 29 (2), 194-197
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
Meuwissen, J. H. E. T., 1978, Israel J. Med. Sc., v. 14 (6), 692-696
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
Michael, S. A.; and El Refaii, A. H., 1977, Bull. Animal Health and Prod. Africa, v. 25 (3), 229-231
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), 234-238
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, Agglutination
Minami, T.; et al., 1979, Vet. Parasitol., v. 5 (1), 29-38
Babesia bigemina and Japanese Babesia species can be serologically differentiated by the complement fixation and capillary-tube agglutination tests

Immunity, Agglutination
Mohapatra, T. M.; et al., 1978, Indian J. Med. Research, v. 67, 754-758
E[ntamoeba] 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
Morris, M. N.; Powell, S. J.; and Elsdon-Dew, R., 1970, South African Med. J., v. 44 (20), 594-595
Entamoeba histolytica, humans, 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 invasive amoebiasis, diagnosis, 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
Mwaiko, G. L.; and Mkufya, A., 1977, East African Med. J., v. 54 (12), 680-683
Onchocerca volvulus, humans, detection of antibodies using adult O. gutturosa antigen; comparison of indirect haemagglutination, agar gel diffusion, and countercurrent immunoelectrophoresis methods; cross reactions with sera of persons infected with Wuchereria bancrofti

Immunity, Agglutination
Neal, R. A.; and Miles, R. A., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (5), 325-332
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
Norden, C. W.; et al., 1978, Ann. Int. Med., v. 89 (1), 144-145 [Letter]
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
Norman, L.; Gold, D.; and Kagan, I. G., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 198-205
Entamoeba histolytica, exper. infected Mesocricetus 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
Pagniez, G.; et al., 1976, Rev. Asoc. Bioquim. Argent. (224), v. 41, 38-42
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
Panigrahi, H.; et al., 1978, Indian J. Med. Research, v. 67, 918-923
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 immunofluorescence in comparative evaluations

Immunity, Agglutination
Pinon, J. M.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 318-324
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)

Immunity, Agglutination
Pozzuoli, R.; et al., 1976, Recenti Prog. Med., v. 60 (6), 625-638
Echinococcus granulosus, humans, comparative evaluation of immunoserological diagnostic methods, review

Immunity, Agglutination
Przyjałkowski, Z.; Zapart, W.; and Starzynski, S., 1978, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 26 (12), 875-880
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

Immunity, Agglutination
Richard-Lenoble, D.; et al., 1978, Ann. Trop. Med. and Parasitol., v. 72 (6), 553-560
hydatidosis, human, serodiagnosis (radioimmunoassay, indirect haemagglutination, immuno-electrodiffusion), subclasses of specific anti-hydatid 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
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Immunity, Antigens. [See also Immunity, Antigenic variation]

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Immunity, Antigens
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Immunity, Antigens
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Immunity, Antigens
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Immunity, Antigens
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Immunity, Antigens
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Immunity, Autoimmunity
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Immunity, Autoimmunity
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Immunity, Autoimmunity
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Immunity, Autoimmunity
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Immunity, Autoimmunity
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Immunity, Autoimmunity
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Immunity, Autoimmunity
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Immunity, Autoimmunity
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Immunity, Autoimmunity
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Immunity, Autoimmunity
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Immunity, Autoimmunity
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Immunity, Autoimmunity
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Immunity, Autoimmunity
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Immunity, Autoimmunity
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Immunity, Autoimmunity
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Immunity, Autoimmunity
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Immunity, Autoimmunity
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Immunity, Autoimmunity
Santos-Buch, C. A., 1977, Immunopathol., 7. Internat. Symp. (Bad Schachen, Germany, June 14-19, 1976), 205-220
Trypanosoma cruzi, role of immune reactions in pathogenesis of Chagas' disease, review

Immunity, Autoimmunity
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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. 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 complexes; high levels of anti-Forssman antibodies

Immunity, Autoimmunity
Szarfman, A.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (4), 832-834
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Immunity, Autoimmunity
Teixeira, A. R. L.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1097-1107
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, 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.; 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, 1060-1066
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, Capillary tube agglutination. See Immunity, Agglutination.

Immunity, Cell-mediated
Ali-Khan, Z., 1978, Exper. Parasitol., v. 46 (2), pp. 157-165
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
Anderson, M. J. D.; and Griffin, J. F. T., 1979, Internat. J. Parasitol., v. 9 (3), 229-233
Taenia crassiceps, rats, differences in susceptibility to infection and development of immunocompetence in relation to host strain and age

Immunity, Cell-mediated
Anderson, M. J. D.; and Griffin, J. F. T., 1979, Internat. J. Parasitol., v. 9 (3), 235-239
Taenia crassiceps, neonatal rats, adoptive transfer of immunity and immunocompetence with lymph node cells

Immunity, Cell-mediated
Antunes, L. J.; et al., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (1), 9-13
human intestinal schistosomiasis mansoni before and after treatment with aminonitrothiazole, immunoglobulin levels, immediate and delayed cutaneous hypersensitivity

Immunity, Cell-mediated
Araj, G. F.; Matossian, R. M.; and Malakian, A. H., 1977, Ztschr. Parasitenk., v. 52 (1), 31-38
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), 16-22
Leishmania mexicana, mice, chronic infection, alterations of immune response, results suggest role for suppressor cells in pathogenesis of diffuse cutaneous leishmaniasis

Immunity, Cell-mediated
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Immunity, Cell-mediated
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Immunity, Cell-mediated
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Immunity, Cell-mediated
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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

Immunity, Cell-mediated
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Immunity, Cell-mediated
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Toxoplasma gondi, human, lymphocyte blastogenesis

Immunity, Cell-mediated
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Trichinella spiralis, effects of immune serum and cells on newborn larvae, in vitro and in vivo (mice) studies

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Immunity, Cell-mediated
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Immunity, Cell-mediated
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Immunity, Cell-mediated
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Immunity, Cell-mediated
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Trypanosoma cruzi, antibody-dependent cytolysis 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
Ottesen, E. A.; et al., 1978, Clin. and Exper. Immunol., v. 33 (1), 38-47
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), 757-769
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, Cell-mediated
Parab, P. B.; 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
Patrucco, A.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (4), 425-426
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
Pearson, T. W.; et al., 1979, Nature, London (5733), v. 281, 678-680
cell-mediated immunity to Theileria parva-transformed cell lines

Immunity, Cell-mediated
Pelley, R. P.; and Warren, K. S., 1978, J. Invest. Dermat., v. 71 (1), 49-55
schistosomiasis, review of current evidence that both induction and amelioration of hepatosplenic 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, 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

Immunity, Cell-mediated
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, Cell-mediated
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, Cell-mediated
Phillips, R. S.; Brown, K. N.; and Hills, L. A., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (1), 92-94
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 optimal protective immunity, in vivo and in vitro criteria of cellular and humoral immune reactivity evaluated

Immunity, Cell-mediated
Phillips, S. M.; and Colley, D. G., 1978, Progr. Allergy, v. 24, 49-182
schistosomiasis with emphasis on Schistosoma mansoni, immunologic aspects of host responses, extensive review: cellular and humoral immune response; immunopathology; eosinophils

Immunity, Cell-mediated
Playfair, J. H. L.; et al., 1979, Nature, London (5740), v. 282, 731-734
Plasmodium yoelii- or P. berghei-vaccinated mice, cell-mediated immunity in liver

Immunity, Cell-mediated
Preston, P. M.; Behbehani, K.; and Dumonde, D. C., 1978, J. Clin. and Lab. Immunol., v. 1 (3), 207-219
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
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 expression of cell-mediated response

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 efferent 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
del Rey Calero, J.; Calbo Torrecillas, F.; and Gonzalez Rodriguez Salinas, M. C., 1972, Rev. Clin. Espan., v. 125 (6), 485-490
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 B cells, skin reactivity to Leishmania antigen

Immunity, Cell-mediated
Roberts, D. W.; and Weidanz, W. P., 1979, Am. J. Trop. Med. and Hyg., v. 28 (1), 1-3
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
Rook, G. A. W.; and Stanford, J. L., 1979, Parasite Immunol., v. 1 (2), 111-123
3 types of delayed skin-test response to mycobacteria in mice, relevance of each type to protection, susceptibility, and immunopathology in leprosy, tuberculosis, leishmaniasis, and listeriosis

Immunity, Cell-mediated
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, Cell-mediated
Rosenberg, Y. J., 1978, Nature, London (5667), v. 274, 170-172
Plasmodium berghei yoelii, mice, plaque-forming cell assays used to reveal pattern of both total and antigen-specific splenic B lymphocyte activation and to define anti-erythrocytic autoimmune response, both responses shown to be T-cell dependent

Immunity, Cell-mediated
Ross, J. G.; and Halliday, W. G., 1978, Vet. Rec., v. 102 (11), 240-241
Trichostrongylus axei, T. colubriformis, Ostertagia circumcincta, sheep, leucocyte lysate transfers significant degree of immunity; Nippostrongylus braziliensis in rats and T. axei in calves showed no transfer of immunity by leucocyte lysate

Immunity, Cell-mediated
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, Cell-mediated
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

Immunity, Cell-mediated
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

Immunity, Cell-mediated
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, Cell-mediated
Saeki, H., 1975, Sapporo Igaku Zasshi (Sapporo Med. J.), v. 44 (5), 309-321
anisakiasis, studies on cell-mediated immunity in exper. guinea pigs and rabbits, positive skin test reactions suggest presence of delayed hypersensitivity, macrophage migration test proved more sensitive than skin tests and is suggested for use in study of immunity of anisakiasis

Immunity, Cell-mediated
dos Santos, R. R., 1973, Rev. Patol. Trop., v. 2 (4), 433-463
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, Cell-mediated
Santos-Buch, C. A., 1977, Immunopathol., 7. Internat. Symp. (Bad Schachen, Germany, June 14-19, 1976), 205-220
Trypanosoma cruzi, role of immune reactions in pathogenesis of Chagas' disease, review

Immunity, Cell-mediated
Sharma, M. K.; Anaraki, F.; and Ala, F., 1978, Clin. and Exper. Immunol., v. 32 (3), 477-483
Leishmania tropica, in vitro suppression of lymphocyte blastogenic response to mitogen and antigen

Immunity, Cell-mediated
Sharma, M. K.; Anaraki, F.; and Ala, F., 1979, Clin. Immunol. and Immunopathol., v. 12 (2), 183-190
Leishmania, human, persistent cutaneous infection, therapy with Leishmania-specific transfer factor

Immunity, Cell-mediated
Sher, A., 1977, Progr. Immunol. III, 688-695
Schistosoma mansoni, mice, effector mechanisms in host response, review

Immunity, Cell-mediated
Shirahata, T.; et al., 1977, Ztschr. Parasitenk., v. 53 (1), 31-40
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), 17-30
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. Parasitol., v. 9 (4), 323-331
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), 291-332
Leptomonas pessoai, antigenic relationships with other trypanosomatids, cross-protection of mice against Trypanosoma cruzi

Immunity, Cell-mediated
Staroniewicz, Z., 1971, Acta Parasitol. Polon., v. 19 (19-28), 307-318
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
E[ntamoeba] 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 mitogenic responsiveness

Immunity, Cell-mediated
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, Cell-mediated
Sturrock, R. F.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 251-261
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
Subrahmanyam, D.; et al., 1978, J. Clin. Microbiol., v. 8 (2), 228-232
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
Tachon, P.; and Borojevic, R., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (6), 605-609
Schistosoma mansoni, prenatal sensitization to schistosomal antigen in children born to infected mothers

Immunity, Cell-mediated
Tanabe, K.; Takada, S.; and Suzuki, M., 1978, J. Parasitol., v. 64 (2), 367-368
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
Taylor, D. W.; and Siddiqui, W. A., 1978, Am. J. Trop. Med. and Hyg., v. 27 (4), 738-742
Plasmodium falciparum, in vitro mitogen responses of spleen and peripheral blood lymphocytes from infected Aotus trivirgatus griseimembra

Immunity, Cell-mediated
Taylor, D. W.; and Siddiqui, W. A., 1978, Infect. and Immun., v. 21 (1), 147-150
Plasmodium falciparum, suppression of lymphocyte transformation by plasma from acutely infected Aotus trivirgatus griseimembra

Immunity, Cell-mediated
Teixeira, A. R. L.; et al., 1978, J. Clin. Invest., v. 62 (6), 1132-1141
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
Teixeira, A. R. L.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1097-1107
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
Thiery, G., 1978, Ann. Immunol., v. 129C (4), 503-522
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, Experientia, 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
Verhave, J. P.; Meuwissen, J. H. E. T.; and Golenser, J., 1978, Israel J. Med. Sc., v. 14 (5), 611-616
arguments for the involvement of cell-mediated immunity in antisporozoite protection, symposium presentation

Immunity, Cell-mediated
Vernes, A., 1975, Ann. Soc. Belge Med. Trop., v. 55 (5), 455-468
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
Warren, K. S., 1976, Immunol. Parasit. Infect., 448-468
immunopathology due to cell-mediated (Type IV) reactions, review

Immunity, Cell-mediated
Weber, W. T., 1972, Immun. Animal Parasites, 33-55
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, Exper. 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 LAKZ hamsters

Immunity, Cell-mediated
Weiss, N.; and Tanner, M., 1979, Tropenmed. 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
Weissberger, H.; and Spira, D. T., 1978, Israel J. Med. Sc., v. 14 (5), 590-595
Plasmodium berghei, lymphoblast transformation in rats convalescent for one week to one year from infections of varying intensities, symposium presentation

Immunity, Cell-mediated
Welch, J. S.; Dobson, C.; and Freeman, C., 1979, Austral. Vet. J., v. 55 (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

Immunity, Cell-mediated
Weller, P. F., 1978, Cellular Immunol., v. 37 (2), 369-382
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
Werner, H.; et al., 1977, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 238 (1), 128-142
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. 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

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
Wolf, R. E.; et al., 1978, Ann. Int. Med., v. 88 (6), 769-773
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. 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, Cell-mediated
Yeh, H. Y.; and Shien, Y. S., 1979, J. Chinese Soc. Vet. Sc., v. 5 (1), 33-37
Trypanosoma evansi, dogs (exper.), changes in peripheral blood T- and B-lymphocytes

Immunity, Cell-mediated
Zemburowa, K,; Przybyłkiewicz, Z.; and Roczniak, M., 1978, Arch. Immunol. et Therap. Exper., v. 26 (1-6), 653-657
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, Circumoval precipitin test. See Immunity, Precipitation.

Immunity, Complement
Adam, C.; et al., 1978, Protides Biol. Fluids, v. 26, 219-223
schistosomiasis, filariasis, human, C3d and immune complex levels

Immunity, Complement
Akahane, 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, Complement
Alarcon G., T.; and Olivares L., L., 1975, Rev. Invest. Clin., v. 27 (3), 209-215
human cerebral cysticercosis, diagnosis by complement fixation or evidence of calcifications on X-ray, clinical symptoms, frequent coexistence of cysticercosis 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 antigens, IgG, and complement in skin

Immunity, Complement
Almeida, H. de O.; et al., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (1), 37-39
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
Amato Neto, V.; da Silva, L. J.; and Camargo, M. E., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (2), 99-102
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
Amerault, T. E.; Frerichs, W. M.; and Stiller, D., 1979, Am. J. Vet. Research, v. 40 (4), 529-531
Babesia caballi, horses, card test using newly developed antigen evaluated and compared with complement-fixation test

Immunity, Complement
Anthony, R. L.; Johnson, C. M.; and Sousa, O. E., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 969-973
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
Araj, G. F.; Matossian, R. M.; and Frayha, G. J., 1977, Ztschr. Parasitenk., v. 52 (1), 23-30
Echinococcus granulosus, mice with secondary hydatidosis, time-related development of complement-fixing and hemagglutinating antibodies, correlation with cyst development

Immunity, Complement
Araujo, F. G., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (6), 433-439
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
Baker, J. R.; and Liston, A. J., 1978, J. Gen. Microbiol., v. 104 (1), 79-89
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, Complement
Balber, A. E.; 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, Complement
Baqui, A.; and Ansari, J. A., 1979, Current Sc., Bangalore, v. 48 (11), 503-504 [Letter]
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
Baruffa, G.; and Alcantara Filho, A., 1975, Rev. Soc. Brasil. Med. Trop., v. 9 (3), 121-127
Trypanosoma cruzi, humans, comparison of complement fixation and latex agglutination tests for immunodiagnosis of hospitalized patients and for epidemiologic surveys

Immunity, Complement
Baruffa, G.; and Alcantara Filho, A., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (2), 117-123
Chagas disease, humans, prevalence survey using complement fixation test: southern zone, State of Rio Grande do Sul, Brazil

Immunity, Complement
Bertoldini, G.; Codazza, D.; and Redaelli, G., 1978, Clin. Vet., Milano, v. 101 (8), 490-492
Babesia equi, B. 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
Bombaci, L.; et al., 1976, Rev. Asoc. Bioquim. Argent. (224), v. 41, 28-35
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
Bordjochki, A.; et al., 1978, Bull. Acad. Vet. France, n.s., v. 51 (2), 189-195
Sarcocystis fusiformis, S. tenella, S. miescheriana, rabbits (exper.), diagnostic value of complement fixation and fluorescent antibody tests

Immunity, Complement
Boroskova, Z.; Benkova, M.; 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 ascaridiosis in migrating phase in unspecific host (rabbit) by complement-fixation reaction

Immunity, Complement
Bulajic, M.; et al., 1977, Srpski Arkhiv Tselok. Lekar., v. 105 (7-8), 657-663
Fasciola hepatica, human, immunodiagnosis, comparative study of complement fixation, double diffusion precipitation, and indirect fluorescent antibody tests

Immunity, Complement
Cacciapuoti, B.; et al., 1979, Boll. Ist. Sieroterap. Milanese, v. 58 (2), 148-157
toxoplasmosis, human, diagnosis, complement fixation reaction, evaluation of different antigens and methods, comparison with dye test and indirect immunofluorescence

Immunity, Complement
Camargo, M. E., 1975, AMB, Rev. Ass. Med. Brasil., v. 21 (11), 341-344
Toxoplasma gondii, pregnant women, serodiagnosis, review

Immunity, Complement
Camargo, M. E.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (4), 254-260
Trypanosoma cruzi, human, comparative serologic diagnosis, complement fixation, immunofluorescence, hemagglutination, flocculation tests

Immunity, Complement
Camargo, M. E.; et al., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (3), 152-160
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
Camargo, M. E.; Batista, S. M.; and Hoshino-Shimizu, S., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (6), 350-354
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, Complement
Camargo, M. E.; Hoshino-Shimizu, S.; and Umezawa, E. S., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (4), 230-235
Trypanosoma cruzi, I.M.T.-Chagas flocculation test evaluated, compared with complement fixation, hemagglutination and immunofluorescence test results

Immunity, Complement
Camargo, M. E.; and Leser, P. G., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (4), 227-238
toxoplasmosis, humans with recently acquired infections, transitional serological patterns and evolution of antibodies studied comparing hemagglutination, complement fixation and immunofluorescence tests

Immunity, Complement
Camargo, M. E.; Leser, P. G.; and Leser, W. S. P., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (4), 215-226
Toxoplasma gondii, comparative study of hemagglutination, complement fixation, IgG- and IgM-immunofluorescence tests on human serum samples

Immunity, Complement
Casarosa, L.; and Orlandi, M., 1978, Ann. Fac. Med. Vet., Pisa, v. 30, 1977, 117-129
Dictyocaulus filaria L_3 larvae, sensitized with immune lamb serum, adherence reaction with normal guinea pig peritoneal macrophages; reaction positive, complement independent and inversely proportional to antisera dilution, induced by an immunoglobulin combining with cuticle of parasite

Immunity, Complement
Cerisola, J. A.; Alvarez, M.; and De Rissio, A. M., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (6), 403-411
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, Complement
Cunha, T. A., 1975, Rev. Patol. Trop., v. 4 (1), 29-33
Trypanosoma cruzi, human, differential screening of serum using triple antigen (composed of cardiolipin, suspension of brucellas and T. cruzi antigen) for the complement fixation test, results showed test suitable for individual testing or mass screening

Immunity, Complement
Cunningham, D. S.; Craig, W. H.; and Kuhn, R. E., [1979], J. Parasitol., v. 64 (6), 1978, 1044-1049
Trypanosoma cruzi, both susceptible and resistant mice become severely hypocomplementemic during exper. Chagas disease, trypanosomes and their products can initiate complement cascade via classical pathway, passively induced immunosuppression of humoral responses occurs in absence of concomitant hypocomplementemia

Immunity, Complement
Diffley, 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

Immunity, Complement
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, Complement
Dunan, S., 1978, Rec. Med. Vet., v. 154 (3), 251-261
leishmaniasis, human and canine, immunologic diagnosis, changes in antibody levels during course of disease, interpretation of results

Immunity, Complement
Ellamaa, M.; and Roigas, E., 1977, Eesti NSV Teaduste Akad. Toimetised, v. 26, Biol. ser. (1), 56-63
Trichomonas spp., immunized rabbits, specific complement fixing antibodies, dynamics of induction and disappearance

Immunity, Complement
Faulk, W. P.; et al., 1978, Protides Biol. Fluids, v. 26, 427-430
several conditions of abnormal pregnancy including 3 patients with P[lasmodium] 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
Felgner, P., 1978, Tropenmed. u. Parasitol., v. 29 (4), 417-422
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
Flemmings, B.; and Diggs, C., 1978, Infect. and Immun., v. 19 (3), 928-933
Trypanosoma rhodesiense, antibody-dependent cytotoxicity against trypanosomes mediated through alternative complement pathway

Immunity, Complement
Galbraith, R. M.; et al., 1978, Protides Biol. Fluids, v. 26, 229-232
P[lasmodium] falciparum, 10 Gambians with pregnancies complicated by maternal malaria, marked increase in complement components in placentae

Immunity, Complement
Ganguly, N. K.; et al., 1978, Indian J. Med. Research, v. 67, 221-226
Entamoeba histolytica, quantitative levels of immunoglobulins (IgG, IgM and IgA) and complement (C3 and CH_{50}) estimated in persons with amoebic abscesses or amoebic colitis, values compared with normal controls, prognostic values of these parameters discussed

Immunity, Complement
Gerken, S. E.; et al., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (4), 212-217
Schistosoma mansoni, scanning electron microscopy of coarse precipitates formed around cercariae by normal non-inactivated guinea pig serum, phenomenon is directly linked to activity of complement

Immunity, Complement
Gill, B. S., 1970, Ann. Soc. Belges Med. Trop. Parasitol., v. 50 (5), 635-640
Trypanosoma evansi, comparative evaluation of 4 techniques for recovering trypanosomes from rat blood and of 5 methods of preparing antigen for use with complement fixation test using immune and convalescent sera of rabbits

Immunity, Complement
Gonzalez, E. F.; Long, R. F.; and Todorovic, R. A., 1978, Am. J. Vet. Research, v. 39 (9), 1538-1541
Anaplasma marginale, cattle, diagnosis, comparisons of complement-fixation, indirect fluorescent antibody, and card agglutination tests

Immunity, Complement
Gradkovskaia, N. V.; Gracheva, L. I.; and Shemanova, G. F., 1978, Zhurnal Mikrobiol., Epidemiol. i Immunol. (8), 106-109
toxoplasmosis, human, diagnosis, passive hemagglutination test, antigen preparation, comparison with immunofluorescence and complement fixation tests

Immunity, Complement
Greenblatt, H. C.; Eveland, L. K.; and Morse, S. I., 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

Immunity, Complement
Greenwood, B. M.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (4), 378-385
Plasmodium falciparum, children, no evidence that any of several immunological factors investigated plays important role in pathogenesis of anemia

Immunity, Complement
Guimaraes, M. C. S.; Ribeiro, M. T.; and Camargo, M. E., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (3), 182-190
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, Complement
Gundlach, J. L., 1971, Acta Parasitol. Polon., v. 19 (1-8), 9-47
Fasciola hepatica, structure of 41 antigens, serologic activity in rabbits using 5 tests

Immunity, Complement
Gundlach, J. L., 1971, Acta Parasitol. Polon., v. 19 (19-28), 285-306
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, Complement
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, Complement
Hammerberg, B.; and Williams, J. F., 1978, 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, Complement
Hess, U.; Eckert, J.; and Frohlich, A., 1974, Schweiz. Med. Wchnschr., v. 104 (24), 853-859
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, Complement
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

Immunity, Complement
Hrzenjak, T.; et al., 1977, Vet. Arhiv, Zagreb, v. 47 (6), 317-322
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, Complement
Huldt, G.; et al., 1979, Nature, London (5693), v. 277, 214-216
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
Jacobson, R. H.; Worley, D. E.; and Hawkins, W. W., 1977, J. Wildlife Dis., v. 13 (3), 323-326
Anaplasma marginale, Antilocapra americana not found to be infected, complement fixation test not useful for detection: eastern Montana

Immunity, Complement
Jira, J.; Barnetova, M.; and Valkoun, A., 1979, Casop. Lek. Cesk., v. 118 (31), 971-975
Toxoplasma gondii, humans, diagnosis, complement fixation with toxoplasmic antigen adapting Takatsy's microtitration system, sensitive and economical

Immunity, Complement
Jira, J.; Zitova, D.; and Princova, D., 1971, Folia Parasitol., v. 18 (4), 295-302
Toxoplasma gondii, mice (exper.), kinetics of cyst occurrence and production of complement fixing antibodies

Immunity, Complement
Kassis, A. I.; Warren, K. S.; and Mahmoud, A. A. F., 1979, J. Immunol., v. 123 (4), 1659-1662
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
Kertesz, V.; Roberts, P. W.; and Sharp, P., 1979, Med. J. Australia, v. 2 (13), 678-680
hydatid disease, humans, diagnosis, evaluation of sensitivity and specificity of 3 commonly used serological tests: complement fixation, haemagglutination, and fluorescent antibody techniques

Immunity, Complement
Kloetzel, J.; and Deane, M. P., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (6), 383-387
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 cytophilic 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
Lalic, R.; Cuperlovic, K.; and Movsesijan, M., 1976, Acta Vet., Beograd, v. 26 (2), 69-75
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, Complement
Leventhal, R.; et al., 1978, Clin. and Exper. Immunol., v. 32 (1), 69-76
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)

Immunity, Complement
Lindsley, H. B.; Nagle, R. B.; and Stechschulte, D. J., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 864-872
Trypanosoma rhodesiense-infected rats, proliferative glomerulonephritis, hypocomplementemia, nucleic acid antibodies, feasibility of rat as model host

Immunity, Complement
Lopes, E. R.; et al., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (2), 57-59
Chagas disease, results of complement fixation and hemagglutination tests compared using pericardial fluid from autopsy cases with chronic cardiomyopathy

Immunity, Complement
Lopes, E. R.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 244-246
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, Complement
Lopez V., G.; and Todorovic, R. A., 1978, Vet. Parasitol., v. 4 (1), 1-9
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, Complement
Luzzio, A. J.; McRoberts, M. J.; and Euliss, N. H., 1979, J. Infect. Dis., v. 140 (3), 370-377
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, Complement
Mackenzie, C. D.; Preston, P. M.; and Ogilvie, B. M., 1978, Nature, London (5690), v. 276, 826-828
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
Madwar, M. A.; et al., 1978, Clin. and Exper. Immunol., v. 34 (3), 354-358
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

Immunity, Complement
Mak, J. W.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (4), 395-399
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
Mannweiler, E.; Felgner, P.; and Lederer, I., 1979, Deutsche Med. Wchnschr., v. 104 (32), 1139-1142
E[chinococcus] cysticus, E[chinococcus] alveolaris, humans, serum antibodies, complement fixation, indirect haemagglutination, and indirect enzyme immune (ELISA) techniques

Immunity, Complement
Mannweiler, E.; and Lederer, I., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 240 (3), 403-408
E[ntamoeba] histolytica, humans, diagnostic value of counter-immunoelectrophoresis in comparison to complement fixation, indirect haemagglutination, and latex agglutination tests

Immunity, Complement
Mannweiler, E.; Lederer, I.; and zum Felde, I., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 240 (3), 397-402
L[eishmania] 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, Complement
Martin, H.; and Michalik, M., 1977, Psychiat., Neurol. 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
Menzel, S.; and Bienzle, U., 1978, Tropenmed. u. Parasitol., v. 29 (2), 194-197
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
Minami, T.; et al., 1979, Vet. Parasitol., v. 5 (1), 29-38
Babesia bigemina and Japanese Babesia species can be serologically differentiated by the complement fixation and capillary-tube agglutination tests

Immunity, Complement
Miron, C. A., 1978, Agric. El Salvador, v. 17 (1), 12-24
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; decomplemented 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, Immunology, v. 35 (5), 817-826
Trypanosoma congolense-infected calves, changes in serum immunoglobulins, complement, and complement components

Immunity, Complement
Nielsen, K.; et al., 1978, J. Parasitol., v. 64 (3), 544-546
Trypanosoma congolense, T. lewisi, direct activation of complement

Immunity, Complement
Nielsen, K.; et al., 1978, Canad. J. Comp. Med., v. 42 (1), 74-79
Trypanosoma lewisi, complement activating factor(s), physiochemical characteristics of active components (carbohydrate-containing substance and lipid, possibly glyco lipid)

Immunity, Complement
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, Complement
Onyewotu, I. I., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (4), 386-388
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, Complement
Ortiz-Ortiz, L.; et al., 1978, Clin. and Exper. Immunol., v. 34 (1), 10-18
Entamoeba histolytica, mechanism by which trophozoites are destroyed by normal human serum is complement-dependent process activated by alternative pathway

Immunity, Complement
Parker, R.; Parker, M. L.; and Wilson, A. J., 1978, Research Vet. Sc., v. 25 (3), 401-402
Anaplasma marginale complement fixation test antigens, liquid nitrogen storage by a multiple small aliquot technique

Immunity, Complement
Prata, A.; et al., 1975, Rev. Patol. Trop., v. 4 (1), 35-38
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
Prowse, S. J.; Ey, P. L.; and Jenkin, C. R., 1979, Austral. J. Exper. Biol. and Med. Sc., v. 57 (5), 459-466
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, Complement
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, Complement
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, Complement
Ranque, J.; et al., 1975, Ann. Soc. Belge Med. Trop., v. 55 (5), 579-584
Leishmania donovani, humans, canines, seroimmunological diagnosis, review

Immunity, Complement
Ray, D.; and Saha, K., 1978, Am. J. Trop. Med. and Hyg., v. 27 (3), 503-507
tropical pulmonary eosinophilia, human, serum immunoglobulin and complement levels, correlation with primary and relapsing stages of illness: India

Immunity, Complement
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, 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
Rifkin, M. R., 1978, Exper. Parasitol., v. 46 (2), 189-206
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

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Immunity, Complement
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Immunity, Complement
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Immunity, Complement
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Immunity, Complement
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Immunity, Complement
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Immunity, Complement
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Immunity, Complement
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Immunity, Complement
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Immunity, Complement
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Immunity, Complement
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Immunity, Complement
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Immunity, Complement
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Immunity, Complement
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Immunity, Complement
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Immunity, Complement
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Immunity, Complement
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Immunity, Complement
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Immunity, Complement
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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
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Immunity, Complement
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Immunity, Complement
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Immunity, Complement
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kala azar, woman, hemolytic anemia, possible abnormal sensitivity of erythrocyte membrane to complement

Immunity, Complement
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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, Congenital. See Immunity, Native; Immunity, Passive.

Immunity, Cross-immunity. See Immunity, Cross-reactions.

Immunity, Cross-reactions
Afchain, D.; et al., 1979, J. Parasitol., v. 65 (4), 507-514
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Immunity, Cross-reactions
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Immunity, Cross-reactions
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Immunity, Cross reactions
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Immunity, Cross-reactions
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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
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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
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Immunity, Cross-reactions
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Immunity, Cross-reactions
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Immunity, Cross-reactions
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Schistosoma haematobium-infected mice challenged with S. mansoni, changes in egg-distribution sites, cross-mating, complete absence of cross-immunity

Immunity, Cross-reactions
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Immunity, Cross-reactions
Hayunga, E. G.; et al., 1979, J. Parasitol., v. 65 (4), 497-506
Schistosoma mansoni, antigenicity of radiolabeled surface proteins from adult worms, immunoprecipitation with infected serum, cross-reaction with anti-Schistosoma haematobium and anti-Schistosoma japonicum serum

Immunity, Cross reactions
Heath, D. D., 1978, Vet. Parasitol., v. 4 (1), 11-19
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, immunizing lesion regressed rapidly after treatment of lambs with mebendazole

Immunity, Cross-reactions
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

Immunity, Cross-reactions
Hillyer, G. V.; and Gomez de Rios, I., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 237-241
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, Cross-reactions
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Fasciola hepatica, solubilization of antigens which are reactive with anti-Schistosoma mansoni antiserum

Immunity, Cross-reactions
Hillyer, G. V.; and Sagramoso de Ateca, L., 1979, Infect. and Immun., v. 26 (3), 802-807
Fasciola hepatica antigens which induce cross-protection against Schistosoma mansoni, isolation by concanavalin A affinity chromatography, properties

Immunity, Cross-reactions
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Taenia hydatigena, goats, sheep, cattle (all exper.), challenged orally with Fasciola hepatica metacercariae, showed no evidence of resistance

Immunity, Cross-reactions
Kaliraj, P.; Ghirnikar, S. N.; and Harinath, B. C., 1979, Indian J. Exper. 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
Kitani, K.; Miura, R.; and Iuchi, M., 1979, Tohoku J. Exper. 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, Cross-reactions
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Trypanosoma cruzi, T. lewisi, cross-immunity studies in young mice and rats

Immunity, Cross-reactions
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Nosema spp., double immunodiffusion techniques used to investigate taxonomic relationships between 6 different microsporidian isolates

Immunity, Cross-reactions
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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
Liston, A. J.; Baker, J. R.; and Selden, L. F., 1977, J. Gen. Microbiol., v. 98 (2), 615-617
Trypanosoma dionisii, T. vespertilionis, immunized mice, delayed-type hypersensitivity footpad response to homologous or heterologous species

Immunity, Cross-reactions
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

Immunity, Cross-reactions
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

Immunity, Cross reactions
Lopez V., G.; and Todorovic, R. A., 1978, Vet. Parasitol., v. 4 (1), 1-9
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
McHardy, N.; and Elphick, J. P., 1978, Internat. J. Parasitol., v. 8 (1), 25-31
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
Markiw, M. E.; and Wolf, K., 1978, J. Fish. Research Bd. Canada, v. 35 (6), 828-832
Myxosoma cerebralis, rabbits immunized with antigens extracted from mature spores or prespore stages, antisera 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
Mayrink, W.; et al., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (1), 50-53
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
Mendes, 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. Research 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
Minami, T.; et al., 1979, Vet. Parasitol., v. 5 (1), 29-38
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, 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

Immunity, Cross reactions
Mwaiko, G. L.; and Mkufya, A., 1977, East African Med. J., v. 54 (12), 680-683
Onchocerca volvulus, humans, detection of antibodies using adult O. gutturosa antigen; comparison of indirect haemagglutination, agar gel diffusion, and countercurrent immunoelectrophoresis methods; cross reactions with sera of persons infected with Wuchereria bancrofti

Immunity, Cross-reactions
O'Donnell, I. J.; and Mitchell, G. F., 1978, Austral. J. Biol. Sc., v. 31 (5), 459-487
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, Exper. Parasitol., v. 46 (1), 113-120
Schistosoma mansoni, Fasciola hepatica, cross-resistance in mice

Immunity, Cross-reactions
de Oliveira, G. S. C.; Barbosa, W.; and da Silva, A. L., 1973, Rev. Patol. Trop., v. 2 (4), 387-395
Isospora hominis, I. belli, humans, epidemiologic survey, clinical aspects, immunodiagnostic comparisons with Toxoplasma gondii (immunofluorescence, protein electrophoresis, Sabin-Feldman dye test) resulted in frequent cross-reactions: Goias, Brazil

Immunity, Cross-reactions
Ongom, V. L.; Ococi-Jungalo, A. H.; and Wamboka, J. W., 1977, East African Med. J., v. 54 (12), 678-679
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
Oteng, A. K., 1977, Bull. Animal Health and Prod. Africa, v. 25 (2), 126-131
Theileria parva, cross-immunity trials in recovered cattle indicate that Ugandan isolates differ immunologically from T. parva (Muguga) and among themselves and that several strains and/or species are responsible for field cases of East Coast fever: Uganda

Immunity, Cross-reactions
Pelley, R. P.; and Hillyer, G. V., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1192-1194
Schistosoma mansoni, Fasciola hepatica, demonstration of common antigen

Immunity, Cross-reactions
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

Immunity, Cross-reactions
Petavy, 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
Peters, W.; et al., 1978, Ann. Trop. Med. and Parasitol., v. 72 (1), 23-36
Plasmodium berghei 'NS lines' form distinct taxon within P. yoelii complex and should be referred to as P. yoelii 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 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, Cross-reactions
Razzakov, Sh. A., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (2), 148-152
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
Schantz, P. M., 1973, Rev. Inst. Med. Trop. S. Paulo, V. 15 (4), 179-194
Echinococcus granulosus-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, Cross-reactions
Shirley, M. W., 1979, Avian Path., v. 8 (4), 469-475
Eimeria mivati, chickens (exper.), 3 strains (2 chicken-maintained, 1 embryo-adapted), pathogenicity compared with E. acervulina, cross-protection between virulent and attenuated strains

Immunity, Cross-reactions
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Immunity, Cross-reactions
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

Immunity, Cross-reactions
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Speiser, F.; and Weiss, N., 1979, Experientia, v. 35 (11), 1512-1514
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Immunity, Cross-reactions
Sukhdeo, M. V. K.; and Meerovitch, 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), 147-157
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

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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 Dirofilaria immitis-infected dogs in double diffusion test

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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.; Baicheva, O.; and Dragneva, N., 1977, Khelmintologiia, Sofiia, v. 4, 68-72
Ascaris suum, no antigenic similarity with Ditylenchus dipsaci, negative cross-reactions, cross intracutaneous test

Immunity, Cross-reactions
Thomas, V.; Ogunba, E. O.; and Fabiyi, A., 1979, 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

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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, 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
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Strongyloides stercoralis, human, diagnosis, E.L.I.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, Cross-reactions
Uilenberg, G.; van Vorstenbosch, C. J. A. H. V.; and Perie, N. M., 1979, Vet. Quart., v. 1 (1), 14-22
Anaplasma mesaeterum sp. n., sheep (nat. and exper.) and goats (exper.), pathogenicity, oxytetracycline treatment, cross-immunity tests with A. ovis: Ameland, the Netherlands

Immunity, Cross-reactions
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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
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Schistosoma haematobium-immunized Papio anubis, strong immunity to homologous challenge, marked degree of acquired immunity to S. mansoni challenge

Immunity, Cross-reactions
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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
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Toxoplasma gondii, Hammondia hammondi, mice, serological cross-reactions

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Immunity, Cross-reactions
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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
Yong, W. K.; Heath, D. D.; and Savage, T., 1979, Brit. Med. J. (6176), v. 1, 1463-1464
Echinococcus granulosus, man with positive immunoelectrophoresis test for hydatidosis, later diagnosed as pulmonary carcinoma, possible antigenic similarity: New Zealand

Immunity, Cross-reactions
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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. <u>See</u> Immunity, Skin tests.

Immunity, Diagnosis. [<u>See also</u> Immunity, Agglutination; Immunity, Complement; Immunity, Enzyme labelling; Immunity, Immobilization; Immunity, Lymphocyte transformation; Immunity, Macrophage migration test; Immunity, Precipitation; Immunity, Radioimmunoassay; Immunity, Skin tests; Immunofluorescence]

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Immunity, Diagnosis
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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

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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

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de Araujo, F. G., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (2), 105-111
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

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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

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Encephalitozoon cuniculi, specific pathogen-free rabbit colony, diagnosis by modified India-ink immunoreaction test, eradication by culling of seropositive animals

Immunity, Diagnosis
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Toxoplasma gondii, pregnant women, serodiagnosis, review

Immunity, Diagnosis
Camargo, M. E.; and Leser, P. G., 1974, AMB, Rev. Ass. Med. Brasil., v. 20 (9), 335-336
Trypanosoma cruzi, laboratory diagnosis of unsuspected acute post-transfusion Chagas' disease, 2 case reports: Sao Paulo

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Immunity, Diagnosis
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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

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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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trypanosomiasis, several diagnostic methods evaluated under laboratory and field conditions

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Immunity, Diagnosis
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Immunity, Diagnosis
Waller, T.; Morein, B.; and Fabiansson, E., 1978, Lab. Animals, v. 12 (3), 145-148
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, 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
Ambroise-Thomas, P., 1978, Israel J. Med. Sc., v. 14 (6), 690-691
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.; 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 micromethod, parallel study by comparative serological tests

Immunity, Enzyme labelling
Anthony, R. L.; Johnson, C. M.; and Sousa, O. E., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 969-973
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

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
Biglan, A. W.; Glickman, L. T.; and Lobes, L. A., jr., 1979, Am. J. Ophth., Chicago, s. 3, v. 88 (5), 898-901
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
Capron, A.; Bout, D.; and Dugimont, J. C., 1975, Ann. Soc. Belge Med. Trop., v. 55 (5), 443-454
hydatidosis, bilharziasis, toxoplasmosis, humans, diagnosis, enzyme linked immunoadsorbent assay

Immunity, Enzyme labelling
Clinard, E. H., 1979, Am. J. Vet. Research, v. 40 (11), 1558-1563
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
Cross, J. H., 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (2), 161-170
Angiostrongylus cantonensis, human, eosinophilic meningitis, review together with some new findings, clinical manifestations, diagnosis (including encouraging results with enzyme linked immunosorbent assay): Taiwan; Okinawa

Immunity, Enzyme labelling
Denmark, J. R.; and Chessum, B. S., 1978, Med. Lab. Sc., v. 35 (3), 227-232
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
Edrissian, G. H.; and Darabian, P., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 289-292
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
Elwing, H.; and Nygren, H., 1979, J. Immunol. Methods, v. 31 (1-2), 101-107
diffusion-in-gel-enzyme-linked-immunosorbent assay as simple method for quantitation of class-specific antibodies, applicability to several 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[chistosoma] 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[chistosoma] mansoni, S[chistosoma] haematobium, human, enzyme linked immunosorbent assay, evaluation of use in diagnosis

Immunity, Enzyme labelling
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, Enzyme labelling
Felgner, P., 1978, Tropenmed. u. Parasitol., v. 29 (4), 417-422
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
Felgner, P., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 240 (1), 112-117
new technique of heterogenous enzyme-linked immunosorbent assay, stick-ELISA

Immunity, Enzyme labelling
Felgner, P., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 240 (1), 118-122
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
Gannon, J., 1978, Lab. Animals, v. 12 (3), 125-127
Encephalitozoon cuniculi, rabbits (nat. and exper.), diagnosis, immunoperoxidase test, comparison with immunofluorescence test

Immunity, Enzyme labelling
Glickman, L.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (3), 492-498
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, Enzyme labelling
Glickman, L. T.; Schantz, P. M.; and Cypess, R. H., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 254-258
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), 237-241
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 Weil, 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
Hommel, M.; et al., 1978, Ann. Trop. Med. and Parasitol., v. 72 (3), 213-218
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
Jacobson, R. H.; Grieve, R. B.; and Cypess, R. H., 1978, Proc. 21. Ann. Meet., Am. Ass. Vet. Lab. Diagn., 367-375
Dirofilaria immitis, dogs (exper.), diagnosis, enzyme-linked immunosorbent assay

Immunity, Enzyme labelling
Kaggwa, E.; Weiland, G.; and Rommel, M., 1979, Bull. Animal Health and Prod. Africa, v. 27 (2), 127-137
Besnoitia besnoiti, B. jellisoni, rabbits, mice, diagnosis, indirect immunofluorescent antibody technique and enzyme-linked immunosorbent assay compared

Immunity, Enzyme labelling
Kelsoe, G. H.; and Weller, T. H., 1978, Proc. National Acad. Sc., v. 75 (11), 5715-5717
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
van Knapen, F.; Buys, J.; and Ruitenberg, E. J., 1977, Ann. Soc. Belg. Med. Trop., v. 57 (4-5), 281-292
African trypanosomiasis, humans, diagnosis, evaluation of enzyme linked immunosorbent assay, comparison with other seroimmunologic tests

Immunity, Enzyme labelling
Luckins, A. G., 1977, Trop. Animal Health and Prod., v. 9 (1), 53-62
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
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 micro-scale enzyme linked immunosorbent assay compared with tests for detection of raised euglobulin levels: Sudan

Immunity, Enzyme labelling
Luckins, A. G.; Gray, A. R.; and Rae, P., 1978, Ann. Trop. Med. and Parasitol., v. 72 (5), 429-441
Trypanosoma evansi, rabbits, serodiagnosis, comparison of serum immunoglobulin levels, enzyme-linked immunosorbent assay, and fluorescent antibody test

Immunity, Enzyme labelling
Luckins, A. G.; and Mehlitz, D., 1978, Trop. Animal Health and Prod., v. 10 (3), 149-159
trypanosomiasis, cattle, diagnosis, indirect fluorescent antibody test, enzyme-linked immunosorbent assay, and serum IgM levels compared: Liberia

Immunity, Enzyme labelling
Lunde, M. N.; Ottesen, E. A.; and Cheever, A. W., 1979, Am. J. Trop. Med. and Hyg., v. 28 (1), 87-91
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
Luzzio, A. J.; McRoberts, M. J.; and Euliss, N. H., 1979, J. Infect. Dis., v. 140 (3), 370-377
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
McLaren, M.; et al., 1978, Ann. Trop. Med. and Parasitol., v. 72 (3), 243-253
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
E[chinococcus] cysticus, E[chinococcus] alveolaris, humans, serum antibodies, complement fixation, indirect haemagglutination, and indirect enzyme immune (ELISA) techniques

Immunity, Enzyme labelling
Marcipar, A.; et al., 1979, IRCS J. Med. Sc., 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
Marcoullis, G.; Salonen, E. M.; and Graesbeck, R., 1978, Tropenmed. u. Parasitol., v. 29 (1), 39-48
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
Norman, L.; Gold, D.; and Kagan, I. G., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 198-205
Entamoeba histolytica, exper. infected Mesocricetus auratus, measurement of serologic responses using indirect hemagglutination and enzyme linked immunosorbent assay tests

Immunity, Enzyme labelling
Ogilvie, B. M.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (1), 66-71
Necator americanus, man (exper.), evaluation of antibody responses by enzyme-linked immunosorbent assay and by radio-allergo-sorbent technique

Immunity, Enzyme labelling
Petrovic, M.; and Deedler, A. M., 1979, Period. Biol., v. 81 (2), 513-515
Fasciola hepatica, immunodiagnosis, application of Defined Antigen Substrate Spheres system to immunofluorescence and immunohistoperoxidase reactions, cross-reactivity with Schistosoma mansoni

Immunity, Enzyme labelling
Pinon, J. M.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 318-324
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)

Immunity, Enzyme labelling
Pinon, J. M.; Sulahian, A.; and Dropsy, G., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (5), 492-495
Schistosoma mansoni, human, use of enzyme-linked-immuno-electro-diffusion-assay (ELIEDA) to study humoral antibodies

Immunity, Enzyme labelling
Pollard, Z. F., 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 trypanosomiasis, 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., 1977, Tech. Immunofluoresc. et React. Immuno-enzymat., 185-190
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
Ruitenberg, E. J.; et al., 1977, Tijdschr. Diergeneesk., v. 102 (17), 1021-1023
Trichinella spiralis, mechanized macro-enzyme-linked immunosorbent assay (ELISA) system for serodiagnosis of fattening pigs, 4,000 sera tested daily

Immunity, Enzyme labelling
Ruitenberg, 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

Immunity, Enzyme labelling
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

Immunity, Enzyme labelling
Salih, S. Y.; Bartlett, A.; and Voller, A., 1978, Tropenmed. u. Parasitol., v. 29 (4), 409-412
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
de Savigny, D. H.; Voller, A.; and Woodruff, A. W., 1979, J. Clin. Path., v. 32 (3), 284-288
Toxocara canis, humans, diagnosis, indirect microplate enzyme-linked immunosorbent assay using larval secretory antigen

Immunity, Enzyme labelling
Schantz, P. M.; Meyer, D.; and Glickman, L. T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (1), 24-28
ocular toxocariasis, 17 children, clinical, serologic, and epidemiologic characteristics

Immunity, Enzyme labelling
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, Enzyme labelling
Spencer, H. C.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 927-932
malaria, human sera, micro enzyme-linked immunosorbent assay used with in vitro-cultured Plasmodium falciparum as antigen

Immunity, Enzyme labelling
Spencer, H. C.; Collins, W. E.; and Skinner, J. C., 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
Szarfman, A.; et al., 1977, An. Microbiol., Rio de Janeiro, v. 22, 1976-1977, 95-103
Trypanosoma cruzi, human, diagnosis, comparison between indirect immunofluorescent and indirect immunoperoxidase tests

Immunity, Enzyme labelling
Tanaka, H.; Matsuda, H.; and Nosenas, J. S., 1979, Japan. J. Exper. Med., v. 49 (4), 289-292
Schistosoma japonicum, human, detection of antibodies by micro-technique of enzyme-linked immunosorbent assay: Leyte, Philippines

Immunity, Enzyme labelling
Tandon, A.; Zahner, H.; and Laemmler, G., 1979, Tropenmed. u. Parasitol., v. 30 (2), 189-193
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, Enzyme labelling
Taylor, S. M.; and Kenny, J., 1978, Vet. Parasitol., v. 4 (3), 257-264
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, Enzyme labelling
Taylor, S. M.; Kilpatrick, D.; and Kenny, J., 1978, Zentralbl. Vet.-Med., Reihe B, v. 25 (4), 282-289
Trichinella spiralis, pigs, evaluation of enzyme linked immuno-sorbent 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.L.I.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
Vullo, V.; et al., 1979, Boll. Ist. Sieroterap. Milanese, v. 58 (2), 141-147
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
Weiland, G.; and zu Dohna, H. G., 1978, Berl. u. Munchen. Tierarztl. Wchnschr., v. 91 (2), 33-35
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
Weiland, G.; and Schwarzhuber, A., 1978, Berl. u. Munchen. Tierarztl. Wchnschr., v. 91 (11), 209-213
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
Beeson, P. B., 1977, Ciba Found. Symp., n.s. (46), 203-223
role of eosinophil, review including some information on Trichinella spiralis

Immunity, Eosinophils and eosinophilia
Butterworth, A. E.; et al., 1979, J. Exper. Med., v. 150 (6), 1456-1471
Schistosoma mansoni, mechanism of irreversible eosinophil adherence to schistosomula

Immunity, Eosinophils and eosinophilia
Butterworth, A. E.; et al., 1979, J. Immunol., v. 122 (1), 221-229
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
Byram, J. E.; Imohiosen, E. A. E.; and von Lichtenberg, F., 1978, Am. J. Trop. Med. and Hyg., v. 27 (2, pt. 1), 267-270
Schistosoma spp., mice, hamsters, tissue eosinophil proliferation and maturation

Immunity, Eosinophils and eosinophilia
Capron, M.; et al., 1978, European J. Immunol., v. 8 (2), 127-133
Schistosoma mansoni, rats, eosinophil-dependent cytotoxicity, involvement of IgG_{2a} 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
Capron, A.; Dessaint, J. P.; and Capron, M., 1978, Colloque Immun. Parasit. Dis. (Thiverval-Grignon, Sept. 5-9, 1977), 217-230
effector mechanisms in immunity to schistosomes, comparison of 2 antibody-dependent cell-mediated cytotoxicity models (IgG-eosinophil model vs. IgE-macrophage model), colloquium presentation

Immunity, Eosinophils and eosinophilia
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, 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 3 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
Czarnetzki, B. M., 1978, Nature, London (5645), v. 271, 553-554
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Immunity, Eosinophils and eosinophilia
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Trichinella spiralis, purified eosinophil major basic protein damaged newborn larvae when added to in vitro cultures

Immunity, Fluorescent antibody. See Immunofluorescence.

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.

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Immunity, Immune complexes
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Immunity, Immune complexes
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Immunity, Immune complexes
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Immunity, Immune complexes
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Immunity, Immune complexes
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Immunity, Immune complexes
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Immunity, Immune complexes
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Immunity, Immune complexes
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Immunity, Immune complexes
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Immunity, Immune complexes
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Immunity, Immune complexes
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Immunity, Immune complexes
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Immunity, Immune complexes
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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

Immunity, Immune complexes
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, Immune complexes
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Schistosoma mansoni, microfluorometric determination (using DASS system) of circulating anodic antigen and antigen-antibody complexes in infected hamster serum

Immunity, Immune complexes
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Schistosoma haematobium, infected humans had significantly higher rosette inhibition test values than did normal persons, inhibition probably due to immune complexes

Immunity, Immune complexes
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

Immunity, Immune complexes
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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
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Immunity, Immune complexes
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Immunity, Immune complexes
Geniteau, M.; et al., 1977, Clin. and Exper. Immunol., v. 30 (1), 141-144
Trichinella spiralis, circulating immune complexes present in sera of 6 patients, role in pathogenesis of clinical symptoms uncertain

Immunity, Immune complexes
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Onchocerca volvulus, clinicopathologic study of 34 patients with lymphadenitis, possible role of immune complexes: Africa; Yemen

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

Immunity, Immune complexes
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Immunity, Immune complexes
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immunopathology mechanisms in certain tropical parasitic diseases, review

Immunity, Immune complexes
Houba, V., 1979, Kidney Internat., v. 16 (1), 3-8
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Immunity, Immune complexes
Houba, V., 1979, Kidney Internat., v. 16 (1), 30-43
schistosomiasis, experimental renal disease, extensive review

Immunity, Immune complexes
Houba, V.; Butterworth, A. E.; and Sturrock, R. F., 1977, Immunopathol., 7. Internat. Symp. (Bad Schachen, Germany, June 14-19, 1976), 233-243
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
Houba, V.; Sturrock, R. F.; and Butterworth, A. E., 1978, Protides Biol. Fluids, v. 26, 209-213
schistosomiasis, role of immune complexes in pathogenesis of lesions, review

Immunity, Immune complexes
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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
Joseph, M.; et al., 1978, Clin. and Exper. Immunol., v. 33 (1), 48-56
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
June, C. H.; et al., 1979, J. Immunol. Methods, v. 31 (1-2), 23-29
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
Kekomaki, R.; and Penttinen, K., 1979, J. Clin. and Lab. Immunol., v. 1 (4), 305-309
platelets and ^{125}I-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
Lindsley, H. B.; Nagle, R. B.; and Stechschulte, D. J., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 864-872
Trypanosoma rhodesiense-infected rats, proliferative glomerulonephritis, hypocomplementemia, nucleic acid antibodies, feasibility of rat as model host

Immunity, Immune complexes
Nasah, B. T.; and Cox, J. N., 1978, Virchows Arch. A, Path. Anat. and Histol., v. 377 (3), 225-236
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
Onyewotu, I. I., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (4), 386-388
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), 53-63
Plasmodium spp., exper. infections in mice, nephritis dependent upon deposition of immune complexes in the kidney accompanies acute infections

Immunity, Immune complexes
Poels, L. G.; van Niekerk, C. C.; and Jerusalem, C., 1978, Israel J. Med. Sc., v. 14 (6), 651-654
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
Razzakov, Sh. A., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (2), 148-152
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, 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
Richard-Lenoble, D.; et al., 1978, Ann. Trop. Med. and Parasitol., v. 72 (6), 553-560
hydatidosis, human, serodiagnosis (radioimmunoassay, indirect haemagglutination, immuno-electrodiffusion), subclasses of specific anti-hydatid immunoglobulin, detection of circulating immune complexes

Immunity, Immune complexes
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, Immune complexes
de Rousse, A. R.; and Romero M., J., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (6), 362-367
Schistosoma mansoni-infected mice, ultrastructure of kidney lesions, characterized as immune complex disease

Immunity, Immune complexes
Santoro, F.; et al., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (3), 152-156
Schistosoma mansoni, humans, mice, sera tested for immune complexes using precipitation by polyethylene glycol and complement fixation test

Immunity, Immune complexes
Santoro, F.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (1), 39-42
Schistosoma mansoni, characterization of complement fractions, inversely proportional correlation between C_3 and immune-complex levels in serum of infected patients

Immunity, Immune complexes
Santoro, F.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (3), 156-160
Schistosoma mansoni, sera from infected patients, characterization and quantitation of immunoglobulins present in immune complexes

Immunity, Immune complexes
Santoro, F.; et al., 1978, Clin. and Exper. Immunol., v. 32 (3), 435-442
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
Santoro, F.; Bout, D.; and Capron, A., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (5), 293-297
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, Immune complexes
Santoro, F.; Liebart, M. C.; and Capron, A., 1978, Protides Biol. Fluids, v. 26, 215-218
Schistosoma mansoni, human, circulating antigens, antibodies, and immune complexes in milk from infected mothers

Immunity, Immune complexes
Santoro, F.; Vandemeulebroucke, B.; and Capron, A., 1979, Exper. Parasitol., v. 47 (3), 392-402
Schistosoma mansoni-infected mice, circulating antigens and immune complexes

Immunity, Immune complexes
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 complexes; high levels of anti-Forssman antibodies

Immunity, Immune complexes
de Siqueira, A. F.; Ferriolli Filho, F.; and Ribeiro, R. D., 1979, Rev. Brasil. Pesqui. Med. e Biol., v. 12 (1), 75-79
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
Verroust, P. J.; et al., 1979, Kidney Internat., 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
Weiss, M. L., 1978, Israel J. Med. Sc., v. 14 (6), 655-658
Plasmodium berghei-infected mice, immune complexes in lungs, symposium presentation

Immunity, Immune complexes
Woo, P. T. K.; and Kobayashi, A., 1975, Ann. Soc. Belge Med. Trop., v. 55 (1), 37-45
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. L., 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
Zubler, Rudolf H.; and Lambert, P. H., 1978, Progr. Allergy, v. 24, 1-48
methods for detection of immune complexes in human diseases, extensive review

Immunity, Innate. See Immunity, Native.

Immunity, Lymphocyte transformation
Weiss, N., 1978, Exper. 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 LAKZ hamsters

Immunity, Lymphocyte transformation
Weissberger, H.; and Spira, D. T., 1978, Israel J. Med. Sc., v. 14 (5), 590-595
Plasmodium berghei, lymphoblast transformation in rats convalescent for one week to one year from infections of varying intensities, symposium presentation

Immunity, Lymphocyte transformation
Welch, J. S.; Dobson, C.; and Freeman, C., 1979, Austral. Vet. J., v. 55 (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

Immunity, Lymphocyte transformation
Weller, P. F., 1978, Cellular Immunol., v. 37 (2), 369-382
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, Lymphocyte transformation
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, 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
Balber, A. E.; 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, Lysis
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, Lysis
Lopez, A. F.; Bunn Moreno, M. M.; and Sanderson, C. J., 1978, Internat. J. Parasitol., v. 8 (6), 485-489
Trypanosoma cruzi, lysis of epimastigotes by eosinophils (entirely antibody-dependent) and neutrophils (significant antibody-independent component)

Immunity, Lysis
Rifkin, M. R., 1978, Exper. Parasitol., v. 46 (2), 189-206
Trypanosoma brucei, cytotoxic reaction induced by normal human serum, some properties of the trypanocidal factor, complement activation not required

Immunity, Lysis
Rifkin, M. R., 1978, Exper. Parasitol., v. 46 (2), 207-212
Trypanosoma brucei, new radioisotope assay for quantitating cell lysis, used to quantiate trypanocidal activity in normal human serum

Immunity, Macrophage migration inhibition test.
See Immunity, Macrophage migration test.

Immunity, Macrophage migration test
Barros, M. A. M.T.; et al., 1979, Clin. and Exper. Immunol., v. 38 (2), 376-380
Trypanosoma cruzi, patients with chronic myocardiopathy vs. indeterminate phase of Chagas' disease, leucocyte migration inhibition test using parasite vs. heart antigens

Immunity, Macrophage migration test
Boron-Kaczmarska, A.; et al., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 240 (4), 538-541
Taenia saginata, leukocyte migration inhibition test with polysaccharide antigen C of Taenia evaluated in infected and uninfected humans, results demonstrate that infection brings about a cellular hypersensitivity reaction of delayed type

Immunity, Macrophage migration test
Braescher, H. M.; et al., 1977, Rev. Brasil. Pesqui. Med. e Biol., v. 10 (4), 255-260
T[rypanosoma] 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
Dharmkrong-at, A.; Uahkowithchai, V.; and Sirisinha, S., 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (3), 330-337
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
Ganguly, N. K.; et al., 1979, Indian J. Med. Research, v. 70, 17-21
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 (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, Macrophage migration test
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, Macrophage migration test
Patrucco, A.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (4), 425-426
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, Macrophage migration test
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, Macrophage migration test
del Rey Calero, J.; Calbo Torrecillas, F.; and Gonzalez Rodriguez Salinas, M. C., 1972, Rev. Clin. Espan., v. 125 (6), 485-490
human toxoplasmosis, investigations of cellular basis for hypersensitivity using the macrophage migration test

Immunity, Macrophage migration test
Saeki, H., 1975, Sapporo Igaku Zasshi (Sapporo Med. J.), v. 44 (5), 309-321
anisakiasis, studies on cell-mediated immunity in exper. guinea pigs and rabbits, positive skin test reactions suggest presence of delayed hypersensitivity, macrophage migration test proved more sensitive than skin tests and is suggested for use in study of immunity of anisakiasis

Immunity, Monoclonal antibodies
Mitchell, G. F.; et al., 1979, Austral. J. Exper. Biol. and Med. Sc., v. 57 (3), 287-302
Mesocestoides corti, mice, development of sensitive and specific prototype immunodiagnostic reagent based on use of an anti-parasite hybridoma antibody

Immunity, Monoclonal antibodies
Verwaerde, C.; et al., 1979, Compt. Rend. Acad. Sc., Paris, v. 289, s. D, Sc. Nat. (10), 725-727
monoclonal antibodies against Schistosoma mansoni, production, biological activities

Immunity, Native
Bradley, D. J., 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
Bradley, D. J.; and Kirkley, J., 1977, Clin. and Exper. Immunol., v. 30 (1), 119-129
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
Huhn, J., 1977, 3. Externe Veterinartagung, Ber. u. Arbeitsergebn. (40), 217-227
trypanosomiasis, cattle, possible mechanisms of tolerance, use of resistant breeds as control measure, economic importance: West Africa

Immunity, Native
Rifkin, M. R., 1978, Exper. Parasitol., v. 46 (2), 189-206
Trypanosoma brucei, cytotoxic reaction induced by normal human serum, some properties of the trypanocidal factor, complement activation not required

Immunity, Native
Trueman, K. F.; and Blight, G. W., 1978, Austral. Vet. J., v. 54 (6), 301-305
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
Van Meirvenne, N.; Magnus, E.; and Janssens, P. G., 1976, Ann. Soc. Belge Med. Trop., v. 56 (1), 55-63
Trypanosoma brucei rhodesiense, serum-incubation-infectivity-tests on clone populations of distinct antigenic types

Immunity, Passive
Abdalla, H. S.; Hussein, H. S.; and Kreier, J. P., 1978, Tropenmed. u. Parasitol., v. 29 (3), 295-306
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
Anderson, M. J. D.; and Griffin, J. F. T., 1979, Internat. J. Parasitol., v. 9 (3), 235-239
Taenia crassiceps, neonatal rats, adoptive transfer of immunity and immunocompetence with lymph node cells

Immunity, Passive
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, Passive
Araj, G. F.; Matossian, R. M.; and Malakian, A. H., 1977, Ztschr. Parasitenk., v. 52 (1), 31-38
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
Aryeetey, M. E.; and Piekarski, G., 1978, Ztschr. Parasitenk., v. 56 (3), 211-218
Sarcocystis antibodies in young humans and rats, gradually decreased after birth, probably passed to newborn through placenta

Immunity, Passive
Baalawy, S. S., 1975, Bull. Animal Health and Prod. Africa, v. 23 (1), 99-102
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
Behnke, J. M.; and Parish, H. A., 1979, Parasite Immunol., v. 1 (1), 13-26
Nematospiroides dubius, expulsion from intestine of mice treated with immune serum

Immunity, Passive
Bray, R. S.; and Anderson, M. J., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (4), 427-431
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
Brossard, M.; and Girardin, P., 1979, Experientia, 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, Passive
Bruijning, C. F. A.; and de Vries, H., 1978, Acta Leidensia, v. 46, 31-51
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
Byram, J. E.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 274-285
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

Immunity, Passive
Bywater, J. E. C.; and Kellett, B. S., 1979, Lab. Animals, v. 13 (4), 293-297
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
Colley, D. G., 1976, J. Exper. Med., v. 143 (3), 696-700
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
Dhar, S.; and Gautam. O. P., 1978, Indian Vet. J., v. 55 (9), 738-740
Theileria annulata, calves (exper.), hyperimmune serum inoculated, no therapeutic value, did not affect course of disease

Immunity, Passive
Dobson, C.; and Owen, M. E., 1978, Internat. J. Parasitol., v. 8 (5), 359-364
Nematospiroides dubius in different mouse strains, sex resistance, passive transfer experiments

Immunity, Passive
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 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, Passive
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, Passive
Golenser, J.; et al., 1978, Israel J. Med. Sc., v. 14 (5), 606-610
Plasmodium berghei, immunization of chloroquinized 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, Passive
Goodrich, B. S.; and Murray, M. D., 1978, Internat. J. Parasitol., v. 8 (4), 313-320
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
Greenblatt, C. L.; and Jacobson, R. L., 1978, Israel J. Med. Sc., v. 14 (5), 596-598
malaria, speculation on use of adoptive immunity in vaccination, some experiments with Plasmodium berghei in hamsters, symposium presentation

Immunity, Passive
Hafizi, A.; and Mobabber, F. Z., 1978, Clin. and Exper. Immunol., v. 33 (3), 389-394
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, 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
Heath, D. D.; et al., 1979, Vet. Parasitol., v. 5 (1), 51-55
Taenia ovis, immunizing potential of various developmental stages injected subcutaneously into neonatal or 16-week-old lambs, colostrum-derived antibodies apparently suppressed immunizing potential of eggs in neonatal lambs

Immunity, Passive
Jacobson, R. L.; Zuckerman, A.; and Greenblatt, C. L., 1978, Clin. and Exper. Immunol., v. 33 (1), 25-29
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), 157-165
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, 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, 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
Klesius, P. H.; et al., 1978, Clin. Immunol. and Immunopathol., v. 10 (2), 214-221
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, 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
Kozakiewicz, B., 1977, Med. Wet., v. 33 (10), 622-623
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), 503-505
Chagas disease, human, clinical evaluation of equine specific beta gammaglobulin as therapy

Immunity, Passive
Lloyd, S.; and Soulsby, E. J. L., 1978, Immunology, v. 34 (5), 939-945
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 (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, 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
Masihi, K. N.; and Werner, H., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 240 (1), 135-142
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
Mayer, H. F.; Marder, G.; and Peretti, H. A., 1979, Rev. Med. Vet., Buenos Aires, v. 60 (1), 12-14
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
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, 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
Miller, H. R. P.; Nawa, Y.; and Parish, C. R., 1979, Internat. Arch. Allergy and Applied Immunol., v. 59 (3), 281-285
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
Mitchell, G. F.; Handman, E.; and Howard, R. J., 1978, Austral. J. Exper. Biol. and Med. Sc., v. 56 (5), 553-559
Plasmodium berghei, Babesia rodhaini, mice, attempts to raise host-protective sera using variety of immunization manipulations (BCG injection, P. yoelii infection, others)

Immunity, Passive
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, Passive
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, Passive
Musoke, A. J.; Williams, J. F.; and Leid, R. W., 1978, Immunology, v. 34 (3), 565-570
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
Nawa, Y.; and Miller, H. R. P., 1978, Cellular Immunol., v. 37 (1), 51-60
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
Nawa, Y.; Parish, C. R.; and Miller, H. R. P., 1978, Cellular Immunol., v. 37 (1), 41-50
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
Phillips, R. S.; Brown, K. N.; and Hills, L. A., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (1), 92-94
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
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, Passive
Ross, J. G.; and Halliday, W. G., 1979, Internat. J. Parasitol., v. 9 (4), 281-284
Ostertagia circumcinta, 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
Santoro, F.; Liebart, M. C.; and Capron, A., 1978, Protides Biol. Fluids, v. 26, 215-218
Schistosoma mansoni, human, circulating antigens, antibodies, and immune complexes in milk from infected mothers

Immunity, Passive
dos Santos, R. R., 1973, Rev. Patol. Trop., v. 2 (4), 433-463
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, 563-569
human cutaneous Leishmania infection, transfer factor therapy, double blind clinical trial: Iran

Immunity, Passive
Sharma, M. K.; Anaraki, F.; and Ala, F., 1979, Clin. Immunol. and Immunopathol., v. 12 (2), 183-190
Leishmania, human, persistent cutaneous infection, therapy with Leishmania-specific transfer factor

Immunity, Passive
Staroniewicz, Z., 1971, Acta Parasitol. Polon., v. 19 (19-28), 307-318
Trichinella spiralis, mice, failure to induce protective immunity by cell transfer from immunized donors, results indicate attenuation of immunity after transfer

Immunity, Passive
Stevens, D. P.; and Frank, D. M., 1978, Tr. Ass. Am. Physicians, v. 91, 268-272
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
Stoimenov, K., 1977, Vet.-Med. Nauki, v. 14 (10), 3-8
Heterakis gallinarum, chickens, passive immunization

Immunity, Passive
Tachon, P.; and Borojevic, R., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (6), 605-609
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
Thong, Y. H.; et al., 1978, Tr. Roy. Soc. Trop. 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, mechanism of this immunity unknown

Immunity, Passive
Vardhani, V.; and Johri, G. N., 1978, Experientia, 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, D.; and Wilson, M. M., 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
Werner, H.; Masihi, K. N.; and Meingassner, J. G., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 242 (3), 405-413
Toxoplasma gondii, influence of 'serum immunotherapy' on cysts in latent infected mice

Immunity, Passive
Zemburowa, K.; Przybyłkiewicz, Z.; and Roczniak, M., 1978, Arch. Immunol. et Therap. Exper., v. 26 (1-6), 653-657
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
Borges, J. S.; and Johnson, W. D., jr., 1975, J. Exper. Med., v. 141 (2), 483-496
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
Brooks, C.; and Kreier, J. P., 1978, Infect. and Immun., v. 20 (3), 827-835
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
Cook, R. M., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (5), 554-555 [Letter]
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
Cornille-Brøgger, 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

Immunity, Phagocytosis
Delgado, M. A.; and Santos-Buch, C. A., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1108-1115
Trypanosoma cruzi, mice, transplacental transmission is dependent upon pathogenicity of parasite strain and phagocytic activity of placenta

Immunity, Phagocytosis
Ferrante, A.; and Jenkin, C. R., 1978, Austral. J. Exper. Biol. and Med. Sc., v. 56 (2), 201-209
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

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
Ferrante, A.; Jenkin, C. R.; and Reade, P. C., 1978, Austral. J. Exper. Biol. and Med. Sc., v. 56 (1), 47-59
Trypanosoma lewisi-infected rats, changes in activity of reticuloendothelial system

Immunity, Phagocytosis
Garcia-Tamayo, J.; Nunez-Montiel, J. T.; and de Garcia, H. P., 1978, Acta Cytol., v. 22 (6), 447-455
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
Green, T. J.; and Kreier, J. P., 1978, Infect. and Immun., v. 19 (1), 138-145
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
Gruber, H. E.; and Osborne, J. W., 1979, Lab. Animals, v. 13 (3), 199-202
Spironucleus 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 [^{75}Se]-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
Hunter, K. W., jr.; Winkelstein, J. A.; and Simpson, T. W., 1979, J. Immunol., v. 123 (6), 2582-2587
Plasmodium berghei, rats, serum opsonic activity, functional and immunochemical characteristics in vitro

Immunity, Phagocytosis
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 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
Jones, T. C.; Len, L.; and Hirsch, J. G., 1975, J. Exper. Med., v. 141 (2), 466-482
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
Joseph, M.; et al., 1978, Clin. and Exper. Immunol., v. 33 (1), 48-56
Schistosoma mansoni, cytotoxicity of human and baboon mononuclear phagocytes against schistosomula in vitro, induction by immune complexes containing IgE and parasite antigens

Immunity, Phagocytosis
Kloetzel, J.; and Deane, M. P., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (6), 383-387
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 cytophilic 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
Liston, A. J.; and Baker, J. R., 1978, J. Gen. Microbiol., v. 107 (2), 253-262
Trypanosoma dionisii, 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
McLeod, R.; and Remington, J. S., 1979, J. Immunol. Methods, v. 27 (1), 19-29
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 [^{3}H]uracil into parasite nucleic acids, adaptation of method to microsystem

Immunity, Phagocytosis
Makimura, S.; and Suzuki, N., 1977, Research Bull. Obihiro Univ., s. 1, v. 10 (2), 401-406
Plasmodium berghei, mice, phagocytosis of parasitized erythrocytes by mouse peritoneal macrophages, concluded that both humoral and cellular factors were important

Immunity, Phagocytosis
Masur, H.; and Jones, T. C., 1978, J. Exper. 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

Immunity, Phagocytosis
Mauel, J.; Buchmueller, Y.; and Behin, R., 1978, J. Exper. Med., v. 148 (2), 393-407
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), 1056-1068
Trypanosoma cruzi, activation of macrophages in vivo and in vitro, correlation between hydrogen peroxide release and trypanocidal activity

Immunity, Phagocytosis
Nogueira, N.; and Cohn, Z. A., 1978, J. Exper. Med., v. 148 (1), 288-300
Trypanosoma cruzi, conditions for inducing and maintaining trypanocidal 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
Roberts, D. W.; and Weidanz, W. P., 1978, Infect. and Immun., v. 20 (3), 728-731
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
Rocha, H.; McCrory, M.; and de Oliveira, M. M. G., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (5), 328-332
S[chistosoma] mansoni-infected and uninfected mice injected with S[almonella] typhimurium, phagocytic function of reticulo-endothelial cells compared

Immunity, Phagocytosis
Rose, M. E.; and Lee, D. L., 1977, Ztschr. Parasitenk., v. 54 (1), 1-7
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
Seitz, H. M.; Weiblen, E. E.; and Claviez, M., 1977, Tropenmed. u. Parasitol., v. 28 (4), 481-490
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 complexes; high levels of anti-Forssman antibodies

Immunity, Phagocytosis
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, Phagocytosis
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, 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
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, Phagocytosis
Von Behren, L. A.; and Pesanti, E. L., 1978, Am. Rev. Resp. Dis., v. 118 (6), 1051-1059
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 some other stercorarian trypanosomes and Leishmania using immunoprecipitation in gels and immunoelectrophoresis, identification of component specific to T. cruzi

Immunity, Precipitation
Akahane, 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
de Alencar, R. A. (filho), 1978, Arq. Inst. Biol., Sao Paulo, v. 45 (2), 101-115
echinococcosis, cattle, swine, diagnosis by latex agglutination, immunodiffusion, and Casoni skin test compared

Immunity, Precipitation
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

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
Antunes, L. J.; et al., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (3), 203-206
Leishmania braziliensis, humans, reverse immunodiffusion technique and passive hemagglutination test compared as serological tests

Immunity, Precipitation
Araujo, F. G., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (6), 433-439
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, Precipitation
Atakpa, T. O. U.; et al., 1978, Ann. Trop. Med. and Parasitol., v. 72 (2), 123-126
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
Bansal, S. R.; and Pathak, R. C., 1974, U. P. Vet. J., v. 2 (4), 141-144
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), 263-268
Trypanosoma cruzi, diagnosis, sera from persons known to be infected, comparison of test results using counterimmunoelectrophoresis, 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
Biagi, F.; and Gonzalez, C., 1973, Rev. Soc. Brasil. Med. Trop., v. 7 (6), 349-351
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_5 in microdouble diffusion technique

Immunity, Precipitation
Bratanov, V.; Stoianova-Zaikova, L.; and Lilkova, N., 1977, Vet. Med. Nauki, v. 14 (1), 24-35
Trichinella spiralis, pigs (exper.), specificity of skin allergy test, tube precipitation reaction, and Ouchterlony double gel diffusion technique in diagnosis

Immunity, Precipitation
Bulajic, M.; et al., 1977, Srpski Arkhiv Tselok. Lekar., v. 105 (7-8), 657-663
Fasciola hepatica, human, immunodiagnosis, comparative study of complement fixation, double diffusion precipitation, and indirect fluorescent antibody tests

Immunity, Precipitation
Calderon, C., 1977, Rev. Med. Chile, v. 105 (7), 460-463
Echinococcus granulosus, humans, comparison of immunoelectrophoresis, latex agglutination and indirect hemagglutination for diagnostic purposes

Immunity, Precipitation
Calderon, C.; et al., 1976, Rev. Med. Chile, v. 104 (3), 152-154
human echinococcosis, serological survey using the immunoelectrophoresis test: District of Palena, Chiloe, Chile

Immunity, Precipitation
Camargo, M. E.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (4), 254-260
Trypanosoma cruzi, human, comparative serologic diagnosis, complement fixation, immunofluorescence, hemagglutination, flocculation tests

Immunity, Precipitation
Camargo, M. E.; Hoshino-Shimizu, S.; and Umezawa, E. S., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (4), 230-235
Trypanosoma cruzi, I.M.T.-Chagas flocculation test evaluated, compared with complement fixation, hemagglutination and immunofluorescence test results

Immunity, Precipitation
Chang, S. M.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 845-853
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
Chiu, J. K.; and Su, K. E., 1974, Taiwan i 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
Coltorti, E. A.; and Varela-Diaz, V. M., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 226-229
Echinococcus granulosus, humans, double diffusion test for detection of antibodies against arc 5 antigens, comparison with immuno-electrophoresis and latex agglutination

Immunity, Precipitation
da Costa, S. C. G.; Venancio, I. A. S.; and da Silva, A. M., 1968, Atas Soc. Biol. Rio de Janeiro, v. 11 (6), 199-200
Trypanosoma cruzi, culture media for use in immunoprecipitation tests

Immunity, Precipitation
da Cunha, A. S.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (6), 387-392
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
Day, K. P.; et al., 1979, Parasite Immunol., v. 1 (3), 217-239
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 mitogenicity, capacity to induce and/or elicit delayed type hypersensitivity responses, and capacity to induce reaginic and precipitating antibody responses

Immunity, Precipitation
Deans, J. A.; Dennis, E. D.; and Cohen, S., 1978, Parasitology, v. 77 (3), 333-344
Plasmodium knowlesi, antigenic analysis of sequential erythrocytic stages using crossed immuno-electrophoresis

Immunity, Precipitation
De Carli, G. A.; and Guerrero, J., 1977, Rev. Microbiol., Sao Paulo, v. 8 (4), 107-109
Tritrichomonas suis, T. foetus, antigenic comparison by immunoelectrophoresis

Immunity, Precipitation
Desowitz, R. S.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (3), 303-307
human cysticercosis, immunoepidemiologic survey to evaluate usefulness of counter-immunoelectrophoresis 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
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Trypanosoma musculi, precipitin responses of infected mice to exoantigens and cellular antigens

Immunity, Precipitation
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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, Precipitation
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Immunity, Precipitation
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schistosomiasis in patients with and without neurological symptoms, circumoval precipitin test, indirect haemagglutination test, and immunoglobulins in serum and cerebrospinal fluid

Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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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
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Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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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, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Schistosoma mansoni, sera from infected persons, immunodiagnosis, comparison of enzyme-linked immunosorbent assay, radioimmunoassay and precipitation tests performed with antigens from eggs

Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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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, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Wuchereria bancrofti, human, circulating filarial antigen, detection, concentration, and identification, countercurrent immunoelectrophoresis, Ouchterlony double diffusion

Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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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
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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
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Immunity, Precipitation
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Trichinella spiralis, swine (exper.), Ouchterlony double diffusion test, evaluation, diagnosis

Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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amoebiasis, human, diagnosis, evaluation of Serameba, counter-immunoelectrophoresis, and bentonite flocculation tests

Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
Mansueto, S.; et al., 1979, Boll. Ist. Sieroterap. Milanese, v. 58 (3), 260-265
hydatidosis, human, diagnosis, counterimmunoelectrophoresis on cellulose acetate membrane with lyophilized commercially produced antigen

Immunity, Precipitation
Martuscelli-Q., A.; Hernandez Gonzalez, A.; and Zuniga Telleria, V., 1977, Rev. Invest. Salud Pub., Mexico, v. 37 (2), 93-99
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
Matsuda, H.; et al., 1977, Japan. J. Exper. Med., v. 47 (5), 369-375
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

Immunity, Precipitation
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Immunity, Precipitation
Mello, R. T.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (5), 553-554 [Letter]
Schistosoma mansoni, human, circumoval precipitin test in prepatent and acute phases of infection, not useful for early diagnosis

Immunity, Precipitation
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Pneumocystis carinii, marrow-transplant patients, diagnosis, counterimmunoelectrophoresis, indirect immunofluorescence

Immunity, Precipitation
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E[ntamoeba] 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, Precipitation
Mohapatra, T. M.; et al., 1979, Tropenmed. u. Parasitol., v. 30 (1), 53-58
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Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
Pellegrino, J.; and de Mello, R. T., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (1), 1-4
Schistosoma mansoni, humans, diagnosis using the circumoval precipitin test with indirect immunofluorescence, good sensitivity and specificity

Immunity, Precipitation
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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
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Immunity, Precipitation
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Schistosoma mansoni, human, use of enzyme-linked-immuno-electro-diffusion-assay (ELIEDA) to study humoral antibodies

Immunity, Precipitation
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Echinococcus granulosus, humans, comparative evaluation of immunoserological diagnostic methods, review

Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
Ranque, J.; et al., 1975, Ann. Soc. Belge Med. Trop., v. 55 (5), 579-584
Leishmania donovani, humans, canines, seroimmunological diagnosis, review

Immunity, Precipitation
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Schistosoma mansoni, human, double diffusion tests compared in chronic infections, early stage infections, and in normal controls

Immunity, Precipitation
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Immunity, Precipitation
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Immunity, Precipitation
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Sarcocystis moulei, caprine, comparative study of 3 diagnostic tests, peptic artificial digestion, immunodiffusion, and indirect immunofluorescence

Immunity, Precipitation
Rotmans, J. P., 1978, Exper. Parasitol., v. 46 (1), 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 spheres system, not sensitive enough for immunodiagnosis

Immunity, Precipitation
Ruiz-Tiben, E.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 230-236
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
Santoro, F.; Bout, D.; and Capron, A., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (5), 293-297
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
Santoro, F.; Vandemeulebrouke, B.; and Capron, A., 1978, J. Immunol. Methods, v. 24 (3-4), 229-237
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
Scapin, M.; and Tendler, M., 1975, Rev. Soc. Brasil. Med. Trop., v. 9 (1), 11-14
Schistosoma mansoni, rapid method for precipitation of antigenic fraction from adult worms using immunoelectrophoresis

Immunity, Precipitation
Scapin, M.; and Tendler, M., 1975, Rev. Soc. Brasil. Med. Trop., v. 9 (2), 91-93
S[chistosoma] mansoni, extraction of 3 antigenic fractions from adult worms using KCl; fractions used for immunodiagnostic study by electrophoresis

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
da Silva, L. C.; et al., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (2), 121-130
Schistosoma mansoni, humans, immunodiffusion, hemagglutination, immunofluorescence and eosinophil counts before and after therapy with hycanthone or niridazole

Immunity, Precipitation
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human schistosomiasis mansoni, immunofluorescence, passive hemagglutination, and immunodiffusion tests used to detect early antibody increases after hycanthone therapy

Immunity, Precipitation
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antigens of Crithidia fasciculata, Trypanosoma cruzi and Leishmania brasiliensis showed cross-reacting precipitating bands with the antigen of Leptomonas pessoai as demonstrated by the agar gel diffusion technique

Immunity, Precipitation
Stankiewicz, M., 1970, Acta Parasitol. Polon., v. 18 (27-41), 463-472
Strongyloides papillosus, sheep, complement fixing and precipitating antibodies after infection and re-infections

Immunity, Precipitation
Thomas, V.; Ogunba, E. O.; and Fabiyi, A., 1979, 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, 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
Torres-Rodriguez, J. M.; and Wisnivesky, C., 1978, Ann. Parasitol., v. 53 (5), 479-486
Echinococcus granulosus, mice (exper.), kinetics of serological response, immunoelectrophoresis, double diffusion, latex agglutination, and passive hemagglutination

Immunity, Precipitation
Van Meirvenne, N.; et al., 1975, Ann. Soc. Belge Med. Trop., v. 55 (5), 545-549
gambian and rhodesian sleeping sickness, humans, serological and parasitological diagnostic methods, review

Immunity, Precipitation
Varela-Diaz, V. M.; et al., 1977, Ztschr. Parasitenk., v. 53 (2), 183-188
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

Immunity, Precipitation
Varela-Diaz, V. M.; Coltorti, E. A.; and D'Alessandro, A., 1978, Am. J. Trop. Med. and Hyg., v. 27 (3), 554-557
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, Precipitation
Vinayak, V. K.; Jain, J.; and Naik, S. R., 1978, Ann. Trop. Med. and Parasitol., v. 72 (6), 581-582
Giardia lamblia, human, demonstration of antibodies using immunodiffusion technique with cysts as antigen

Immunity, Precipitation
Waller, T.; Morein, B.; and Fabiansson, E., 1978, Lab. Animals, v. 12 (3), 145-148
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, Precipitation
Willaert, E.; et al., 1974, Ann. Soc. Belge Med. Trop., v. 54 (4-5), 333-342
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
Yarzabal, L. A.; et al., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (5), 263-268
Echinococcus granulosus, human pulmonary hydatid cysts, immunoelectrophoresis evaluated for diagnosis

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Immunity, Skin tests
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Immunity, Skin tests
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Angiostrongylus cantonensis, human, 7 suspected cases, immunodiagnosis (gel diffusion, immunoelectrophoresis, indirect hemagglutination, skin test), cross-reactions with other helminths observed: Okinawa

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Schantz, P. M., 1973, Rev. Inst. Med. Trop. S. Paulo, V. 15 (4), 179-194
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Immunity, Skin tests
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Immunity, Skin tests
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Anisakis, Terranova, human, immunological diagnosis, intradermal and indirect hemagglutination tests, histopathological examination of biopsied gastric mucous membranes

Immunity, Skin tests
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Anisakis, analysis of criteria on intradermal and indirect hemagglutination tests by radioimmunoassay

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Immunity, Skin tests
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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
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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
Vaage, L.; and Midtvedt, T., 1975, Scand. J. Infect. Dis., v. 7 (3), 218-221
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Immunity, Skin tests
Vaage, L.; and Midtvedt, T., 1977, Scand. J. Infect. Dis., v. 9 (2), 135-136
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
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Immunity, Skin tests
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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. <u>See</u> Immunity, Passive.

Immunity, Vaccination. <u>See</u> Immunization.

Immunization. [<u>See also</u> 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 incognitum by administration of cercariae of S. indicum

Immunization
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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
Ali, S. A. K.; Jabir, M. H.; and Singh, (Kr.) S., 1979, Indian J. Animal Sc., v. 49 (5), 373-376
Dictyocaulus filaria, lambs given irradiated vaccine or non-irradiated larvae, serum protein changes

Immunization
Allen, J. R.; and Humphreys, S. J., 1979, Nature, London (5722), v. 280, 491-493
Dermacentor andersoni, immunization of guinea pigs and cattle against ticks

Immunization
Andrade, S. G.; et al., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (6), 395-402
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
Gaigeria pachyscelis, lambs, vaccination with gamma-radiation-attenuated larvae stimulated development of resistance to subsequent challenge of 5000 non-irradiated larvae

Immunization
Antunes, C. M. F.; et al., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (6), 383-386
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
Araujo, F. G.; Nascimento, E.; and Morato, M. J. F., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (5), 534-536
Trypanosoma cruzi, mice, exoantigens, time of appearance, failure to enhance infection, protective effect in immunization

Immunization
Au, A. C. S.; and Ko, R. C., 1979, Ztschr. Parasitenk., v. 58 (3), 233-242
Angiostrongylus cantonensis, rats, small primary infection followed by challenge infection at various periods, worm burden, haematological and serological response

Immunization
Ayuya, J. M.; and Williams, J. F., 1979, Immunology, v. 36 (4), 825-834
Taenia taeniaeformis, 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
Bell, R. G.; and McGregor, D. D., 1979, Exper. Parasitol., v. 48 (1), 51-60
Trichinella spiralis, role of different life cycle phases in induction, maintenance, and expression of rapid expulsion in rats

Immunization
Bezubik, B., 1970, Acta Parasitol. Polon., v. 18 (13-26), 291-297
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

Immunization
Bezubik, B., 1978, Immunological response of sheep to ostertagiosis, haemonchosis and chabertiosis and preparation of UV vaccine, 205 pp.
Ostertagia circumcincta, Haemonchus contortus, Chabertia ovina, sheep, immunological response, preparation of UV vaccine, final technical report 1973-1978

Immunization
Bezubik, B.; Jeska, E. L.; and Wedrychowicz, H., 1977, Acta Parasitol. Polon., v. 24 (28-34), 323-333
Ostertagia circumcincta, immunological response of sheep to UV-irradiated larvae

Immunization
Bezubik, B.; and Wedrychowicz, H., 1976, Acta Parasitol. Polon., v. 24 (11-19), 185-190
4 sheep nematodes, in vitro survival of larvae exposed to UV irradiation, preliminary to immunization studies

Immunization
Bhopale, M. K.; and Johri, G. N., 1978, J. Helminth., v. 52 (3), 193-198
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

Immunization
Bickle, Q.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (1), 37-41
Schistosoma mansoni, mice, failure of primary infections with cercariae of 1 sex to induce same degree of resistance to reinfection as bisexual primary infections

Immunization
Bickle, Q. D.; and James, E. R., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (6), 677-678
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, Immunochemistry, v. 15 (9), 633-638
Schistosoma mansoni, malate dehydrogenase (MDH), purification, immunochemical and biological characterization, mice immunized with purified MDH exhibited significant decrease of worm burden

Immunization
Boyer, M. H.; and Kalfayan, L. J., 1978, Am. J. Trop. Med. and Hyg., v. 27 (3), 542-547
Schistosoma mansoni, mice, presence of transferred adult worms in mesenteric veins is associated with decreased recovery of worms from later cercarial challenge

Immunization
Brown, K. N., 1978, Israel J. Med. Sc., v. 14 (5), 571-574
malaria, factors influencing outcome of infection, antigenic specificity of and protective immunity to asexual erythrocytic parasites, symposium presentation

Immunization
Buening, G. M., 1978, Am. J. Vet. Research, v. 39 (6), 925-930
Anaplasma marginale, cows, chemically modified Anaplasma antigen induced cell-mediated immune response with diminished antibody response to contaminating erythrocyte antigens; only cows given standard Anaplasma antigen (not chemically modified) developed Anaplasma antibodies and significant bovine erythrocyte antibody titer

Immunization
Bushara, H. O.; et al., 1978, Parasitology, v. 77 (3), 303-311
Schistosoma bovis, calves, immunization using irradiated cercariae or schistosomula

Immunization
Buslaev, V. M., 1978, Veterinariia, Moskva (4), 72-74
Dictyocaulus filaria, sheep, immunization with antigens from Aphelenchus avenae or Neoaplectana glaseri

Immunization
Butcher, G. A.; Mitchell, G. H.; and Cohen, S., 1978, 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

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
Campbell, N. J.; Kelly, J. D., ; and Martin, I. C. A., 1979, Internat. J. Parasitol., v. 9 (5), 469-474
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, 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

Immunization
Carter, R.; Gwadz, R. W.; and McAuliffe, F. M., 1979, Exper. Parasitol., v. 47 (2), 185-193
Plasmodium gallinaceum, chickens, comparative effectiveness of gametocyte- and gamete-containing preparations in inducing transmission-blocking immunity

Immunization
Chaia, G., 1969, Rev. Inst. Med. Trop. S. Paulo, v. 11 (1), 19-24
Strongyloides avium, chickens immunized with irradiated larvae, worms recovered from vaccinated chickens had underdeveloped genital apparatus and no eggs were seen developing in uteri

Immunization
Chedid, L., 1978, Colloque Immun. Parasit. Dis. (Thiverval-Grignon, Sept. 5-9, 1977), 249-262
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

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 (exper.), value of double vaccination by irradiated tachyzoites

Immunization
Chhabra, M. B.; Mahajan, R. C.; and Ganguly, N. K., 1979, Internat. J. Radiation Biol., v. 35 (5), 433-440
Toxoplasma gondii, mice, immunization, ^{60}Co irradiation, degree and duration of protection

Immunization
Chiari, E.; et al., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (5), 255-260
Trypanosoma cruzi, behavior of 3 culture forms (PF, PF^{II}, and MR_{44}) 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
Civil, R. H.; Warren, K. S.; and Mahmoud, A. A. F., 1978, J. Infect. Dis., v. 137 (5), 550-555
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
Cohen, S., 1978, Israel J. Med. Sc., v. 14 (5), 537-541
malaria, mechanisms of acquired immunity to erythrocytic stage, symposium presentation

Immunization
Cohen, S., 1979, Proc. Roy. Soc. London, s. B., Biol. Sc. (1153), v. 203, 323-345
immunity to malaria with emphasis on vaccination, review lecture

Immunization
Cohen, S.; and Mitchell, G. H., 1978, Current Topics Microbiol. and Immunol., v. 80, 97-137
malaria, prospects for immunization, review

Immunization
Collins, W. E.; Chin, W.; and Skinner, J. C., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 948-954
Plasmodium fragile in Macaca mulatta as model system for study of malarial vaccines

Immunization
Corrier, D. E.; et al., 1979, Trop. Animal Health and Prod., v. 11 (4), 215-221
Babesia bigemina- and B. bovis-immunized Bos 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
Cottrell, B. J.; Playfair, J. H. L.; and De Souza, B. J., 1978, Clin. and Exper. Immunol., v. 34 (2), 147-158
Plasmodium berghei and P. yoelii-vaccinated mice, manifestations of cell-mediated immunity

Immunization
Cox, F. E. G., 1978, Nature, London (5664), v. 273, 623-626
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
Day, K. P.; et al., 1979, Parasite Immunol., v. 1 (3), 217-239
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 mitogenicity, capacity to induce and/or elicit delayed type hypersensitivity responses, and capacity to induce reaginic and precipitating antibody responses

Immunization
Dean, D. A.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 951-956
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
Dean, D. A.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 957-965
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
Dhar, D. N.; and Sharma, R. L., 1978, Vet. Parasitol., v. 4 (3), 221-229
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
D'iakova, T. E.; and Leutskaia, Z. K., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 22, 52-59
Ascaridia galli, immunization of normal chickens and chickens with avitaminosis A, mucopolysaccharide content in tissues compared with unimmunized controls

Immunization
Dineen, J. K.; Gregg, P.; and Lascelles, A. K., 1978, Internat. J. Parasitol., v. 8 (1), 59-63
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
Dineen, J. K.; Kelly, J. D.; and Campbell, N. J., 1978, Internat. J. Parasitol., v. 8 (3), 173-176
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
Dondero, T. J., jr.; Ow-Yang, C. K.; and Lie, K. J., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (3), 359-363
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
Dubey, J. P., 1978, J. Protozool., v. 25 (3, pt. 2), 380-382
Toxoplasma gondii, chronically infected cats re-excreted T. gondii oocyts 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
Dubey, J. P., 1978, J. Protozool., v. 25 (3, pt. 2), 382-384
Hammondia hammondi, Besnoitia jellisoni, Toxoplasma gondii, BCG, comparison of cross-protection in hamsters

Immunization
Duncan, J. L.; Smith, W. D.; and Dargie, J. D., 1978, Vet. Parasitol., v. 4 (1), 21-27
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
Eling, W. M. C., 1978, Israel J. Med. Sc., v. 14 (5), 542-553
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
Eveland, L. K.; and Morse, S. I., 1978, Exper. Parasitol., v. 45 (1), 19-25
Schistosoma mansoni, in vitro derived schistosomula attenuated by x-irradiation, infectivity and immunizing potential, mice

Immunization
Finerty, J. F.; Krehl, E. P.; and McKelvin, R. L., 1978, Infect. and Immun., v. 20 (2), 464-467
Trypanosoma rhodesiense-immunized mice, delayed-type hypersensitivity elicited, results suggest that T-cell activation was necessary component in protective response

Immunization
Frenkel, J. K.; and Caldwell, S. A., 1975, J. Infect. Dis., v. 131 (3), 201-209
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. Parasitol., 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
Furuya, M., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (6), 350-366
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 Meerovitch, 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
Gill, B. S., 1971, Ann. Soc. Belges Med. Trop. Parasitol., v. 51 (2), 215-219
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) stabilate-induced infections with 1 or 2 doses of long-acting oxytetracycline vs. 8 doses of chlortetracycline

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
Golenser, J.; et al., 1978, Israel J. Med. Sc., v. 14 (5), 606-610
Plasmodium berghei, immunization of chloroquinized 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

Immunization
Goven, A. J.; and De Buysscher, E. V., [1979], J. Parasitol., v. 64 (6), 1978, 1142-1143
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
Greenblatt, C. L.; et al., 1978, Israel J. Med. Sc., v. 14 (6), 712-717
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 columbriformis, 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
Gwadz, R. W.; and Green, I., 1978, J. Exper. Med., v. 148 (5), 1311-1323
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
Hansen, R.; de Silva, S.; and Strickland, G. T., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (5), 574-578
Plasmodium berghei, IgM and IgG antisporozoite 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

Immunization
Hashemi-Fesharki, R., 1978, Arch. Inst. Razi (30), 91-99
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
Hayat, B., 1976, Pakistan J. Scient. Research, Lahore, v. 28, 38-40
Eimeria tenella, chickens, immunization with gamma-irradiated oocysts

Immunization
Heath, D. D., 1978, Vet. Parasitol., v. 4 (1), 11-19
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, immunizing 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
Heath, D. D.; et al., 1979, Vet. Parasitol., v. 5 (1), 51-55
Taenia ovis, immunizing potential of various developmental stages injected subcutaneously into neonatal or 16-week-old lambs, colostrum-derived antibodies apparently suppressed immunizing potential of eggs in neonatal lambs

Immunization
Heath, D. D.; and Chevis, R. A. F., 1978, J. Parasitol., v. 64 (2), 252
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
Herlich, H., 1978, Vet. Parasitol., v. 4 (2), 153-160
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
Herlich, H., 1979, Am. J. Vet. Research, v. 40 (6), 774-776
Trichostrongylus axei, calves given low-degree long-term daily immunizing inoculations, infection kinetics, response to challenge exposure

Immunization
Herlich, H.; and Douvres, F. W., 1979, Am. J. Vet. Research, v. 40 (12), 1781-1782
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
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

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
Hillyer, G. V.; et al., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (2), 149-151
Schistosoma mansoni, mice, Millipore diffusion chambers containing live adult worms implanted, produced specific antibodies but not resistance to reinfection

Immunization
Hillyer, G. V.; and Sagramoso de Ateca, L., 1979, Infect. and Immun., v. 26 (3), 802-807
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 FCA confers significant degree of protection

Immunization
Hsü, 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

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
Irvin, A. D.; Brocklesby, D. W.; and Purnell, R. E., 1979, Vet. Parasitol., v. 5 (1), 17-28
Babesia, Theileria, radiation and isotopic techniques in study and control of piroplasms of cattle, review

Immunization
Ito, A., 1978, Exper. Parasitol., v. 46 (1), 12-19
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

Immunization
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 immunity, stage at which protection occurred

Immunization
Ito, A.; Yamamoto, M.; and Okamoto, K., 1978, Internat. J. Parasitol., v. 8 (2), 149-153
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

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 nonpathogenic parasite strains with control strain used in a commercial planned immunozation program, strain Wis-F-125 gave flock immunity equivalent to control strain

Immunization
Jones, T. C.; Len, L.; and Hirsch, J. G., 1975, J. Exper. Med., v. 141 (2), 466-482
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
Katz, N.; Oliveira, V. B.; and Rocha, R. S., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (4), 227
Schistosoma mansoni, school children previously treated with oxamniquine, vaccination with bacillus Calmette-Guerin (BCG) did not control reinfection of residents of endemic areas: State of Minas Gerais, Brazil

Immunization
Khalacheva, M.; and Kararizova, L., 1977, Vet. Med. Nauki, v. 14 (3), 32-38
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 (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

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
Kiurtov, N., 1977, Vet. Med. Nauki, v. 14 (4), 25-30
Babesia ovis, lambs, vaccination with live vaccine

Immunization
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

Immunization
Komandarev, S.; Dragneva, N.; and Mikhov, L., 1976, Khelmintologiia, Sofiia, 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
Kozar, M., 1974, Acta Parasitol. Polon., v. 22 (35-44), 473-483
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 anatomo-pathological changes, parasite adaptation to snails discussed

Immunization
Kumar, P. S.; Kumar, R.; and Mohapatra, L. N., 1978, Indian J. Med. Research, v. 67, 908-917
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 (1), 67-76
Plasmodium knowlesi in Callithrix jacchus investigated as possible model for immunological studies, course of infection, differential susceptibility, resistance to challenge infection

Immunization
de Lara, W. G. F., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (5), 301-305
Trypanosoma cruzi, mice, T. lewisi antigen protected against infection but antigen fractions did not

Immunization
Lee, E. H.; and Fernando, M. A., 1978, J. Parasitol., v. 64 (3), 483-485
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
Lehner, R. P.; and Sewell, M. M. H., 1979, Vet. Sc. Commun., v. 2 (4), 337-340
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 injected with immune RNA (extracted from spleen of mice immunized with avirulent PF strain), partial protective effect against virulent Y strain

Immunization
Leutskaia, Z. K.; and Matsepa, R. L., 1973, Trudy Gel'mint. Lab.,Akad. Nauk SSSR, v. 23, 105-109
Ascaridia galli-immunized chickens with vitamin A deficiency, lipoprotein and glycoprotein fractions of serum

Immunization
Leutskaia, Z. K.; and Piskunova, L. V., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 22, 121-129
Ascaridia galli-immunized chickens, changes in cholesterol levels in various tissues, probable role of cholesterol, interdependently with vitamin A, in protecting host organism

Immunization
Lewis, D.; Purnell, R. E.; and Brocklesby, D. W., 1979, Research Vet. Sc., v. 26 (2), 220-222
Babesia divergens, splenectomised calves, immunization using irradiated piroplasms

Immunization
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Echinostoma spp., acquired resistance in 4 Biomphalaria glabrata strains

Immunization
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Schistosomatium douthitti, effect of irradiating miracidia on their infection of Lymnaea catascopium, results of later challenge with normal miracidia, failure to confer protection

Immunization
Long, E.; Doenhoff, M.; and Bain, J., 1978, J. Helminth., v. 52 (3), 187-191
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), 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

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
Luffau, G.; and Pery, P., 1978, Vet. Sc. Commun., v. 2 (1), 11-22
nematodes, antigenic structure as related to vaccination of animals, review; Nippostrongylus brasiliensis, rats, vaccination using live and killed worms

Immunization
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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
McHardy, N., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (2), 201-202
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
McHardy, N.; and Elphick, J. P., 1978, Internat. J. Parasitol., v. 8 (1), 25-31
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
McHardy, N.; and Neal, R. A., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (4), 409-414
Trypanosoma cruzi, mice immunized 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

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
Maddison, S. E.; Chandler, F. W.; and Kagan, I. G., 1978, J. Reticuloendothel. Soc., v. 24 (6), 615-628
Schistosoma mansoni, mice, rhesus monkeys, effect of pretreatment with BCG on subsequent infection

Immunization
Mahoney, D. F.; Wright, I. G.; and Goodger, B. V., 1979, Austral. Vet. J., v. 55 (1), 10-12
Babesia bovis, calves, single vaccination by attenuated and non-attenuated parasites was sufficient to prevent clinical babesiosis under conditions of reduced tick populations

Immunization
Marretta, J.; and Casey, F. B., 1979, J. Immunol. Methods, v. 31 (1-2), 183-185
Ascaris suum, guinea pigs, dependence of IgE and IgG_1 immune responses on inclusion of potassium in preparation of alum adjuvant

Immunization
Mas Bakal, P.; and in't Veld, N., 1979, Ztschr. Parasitenk., v. 59 (3), 211-217
Toxoplasma strain RH, mice inoculated with irradiated toxoplasms appeared to resist challenge with virulent organisms

Immunization
Masihi, K. N.; Brehmer, W.; and Werner, H., 1979, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 245 (3), 377-386
Toxoplasma gondii, mice, vaccination with toxoplasma cell fractions alone or combined with mycobacterial glycolipids

Immunization
Masihi, K. N.; and Werner, H., 1977, Ztschr. Parasitenk., v. 54 (3), 209-216
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
Mayrink, W.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (4), 385-387
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
Mendis, K. N.; and Targett, G. A. T., 1979, Nature, London (5695), v. 277, 389-391
Plasmodium yoelii nigeriensis, mice, successful immunization against sexual stages using formalin-fixed gametes, vaccinated mice were also strongly protected against asexual erythrocytic stages

Immunization
Menezes, H., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (5), 310-319
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
Menezes, H., 1971, Rev. Soc. Brasil. Med. Trop., v. 5 (1), 1-15
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
Menezes, H., 1971, Rev. Soc. Brasil. Med. Trop., v. 5 (4), 212-233
Trypanosoma cruzi, demonstration of avirulence of PF strain in mice vaccinated and treated with immunosuppressive drugs

Immunization
Menezes, H., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (2), 144-154
Trypanosoma cruzi, immunization of 2 adult volunteers with a live avirulent strain, possibility of active immunization without permanent infection

Immunization
Menezes, H., 1972, Rev. Soc. Brasil. Med. Trop., v. 6 (4), 177-184
Trypanosoma cruzi, follow-up study of 2 volunteers successfully vaccinated with live avirulent PF strain of parasite

Immunization
Menezes, H., 1973, Rev. Soc. Brasil. Med. Trop., v. 7 (2), 71-78
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
Menezes, H., 1975, Rev. Soc. Brasil. Med. Trop., v. 9 (1), 1-9
Trypanosoma cruzi, cultivated PF strain induced immunization in mice when injected by subcutaneous route

Immunization
Menezes, H., 1976, AMB, Rev. Ass. Med. Brasil., v. 22 (4), 111-114
Trypanosoma cruzi, PF strain, avirulence in mice, protective effect against subsequent challenge with virulent strain

Immunization
Menezes, H., 1976, AMB, Rev. Ass. Med. Brasil., v. 22 (7), 252-255
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
Meuwissen, J. H. E. T.; Golenser, J.; and Verhave, J. P., 1978, Israel J. Med. Sc., v. 14 (5), 601-605
Plasmodium berghei, rats under prophylactic treatment with various drug regimens, development of effective antisporozoite 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
Michel, 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
Miller, T. A., 1978, Advances Parasitol., v. 16, 333-342
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
Mitchell, G. F.; Handman, E.; and Howard, R. J., 1978, Austral. J. Exper. Biol. and Med. Sc., v. 56 (5), 553-559
Plasmodium berghei, Babesia rodhaini, mice, attempts to raise host-protective sera using variety of immunization manipulations (BCG injection, P. yoelii infection, others)

on
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 formolized 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
Murrell, K. D.; Stirewalt, M. A.; and Lewis, F. A., 1979, Exper. Parasitol., v. 48 (2), 265-271
Schistosoma mansoni, mice, vaccination with cryopreserved irradiated schistosomules

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. M.; 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
Parre, J.; Hussar, U.; and Schattschneider, T., 1977, Eesti Pollumaj. Akad. Teadusl. Toode Kogum. (104), 81-89
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
Parre, J.; and Olkonen, E., 1977, Eesti Pollumaj. Akad. Teadusl. Toode Kogum. (104), 100-108
Eimeria tenella, E. acervulina, E. brunetti, polyvaccine tested, chicks maintained in battery cages or deep litter; simultaneous zoalene treatment efficacious in deep litter maintenance

Immunization
Pastuszko, J., 1976, Acta Parasitol. Polon., v. 24 (11-19), 103-117
Eimeria tenella, chickens, immunization using X-ray attenuated oocysts

Immunization
Pavlov, P.; and Denev, J., 1970, Acta Parasitol. Polon., v. 18 (1-12), 33-43
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
Perrudet-Badoux, A.; and Binaghi, R. A., 1978, J. Parasitol., v. 64 (1), 187-189
Trichinella spiralis, mice, immunity against newborn larvae after previous oral infection, speculations about pattern of establishment of immune state

Immunization
Pery, P., 1978, Colloque Immun. Parasit. Dis. (Thiverval-Grignon, Sept. 5-9, 1977), 275-290
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
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

Immunization
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

Immunization
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

Immunization
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

Immunization
Pipano, E.; Jeruham, I.; and Frank, M., 1979, Trop. Animal Health and Prod., v. 11 (1), 13-16
Babesia bigemina, calves, pentamidine, sterilizing dose was at least 5 times as great as that needed for clinical recovery, promising agent for chemoimmunization

Immunization
Playfair, J. H. L.; et al., 1979, Nature, London (5740), v. 282, 731-734
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
Poels, L. G.; van Niekerk, C. C.; and Franken, M. A. M., 1978, Israel J. Med. Sc., v. 14 (5), 575-581
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
Pokorna, J.; and Tomanek, J., 1976, Acta Vet. Brno, v. 45 (1-2), 127-132
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), 1450-1451
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
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, IgG_1 and IgG_{2a} concentrations

Immunization
Prowse, S. J.; Ey, P. L.; and Jenkin, C. R., 1978, Austral. J. Exper. Biol. and Med. Sc., v. 56 (2), 237-246
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

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
Purnell, R. E.; et al., 1979, Brit. Vet. J., v. 135 (1), 44-49
Babesia major, intact calves, reactions to inoculation with varying numbers of infected erythrocytes, immunity to homologous challenge

Immunization
Purnell, R. E.; Brocklesby, D. W.; and Stark, A. J., 1978, Research Vet. Sc., v. 25 (3), 388-390
Babesia major, splenectomised calves, protection by inoculation of irradiated piroplasms

Immunization
Purnell, R. E.; Lewis, D.; and Brocklesby, D. W., 1979, Internat. J. Parasitol., v. 9 (1), 69-71
Babesia major, protection of intact calves against homologous challenge by injection of irradiated piroplasms

Immunization
Radley, D. E.; et al., 1979, Vet. Parasitol., v. 5 (2-3), 117-128
Theileria lawrencei, 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 injection of in vitro-derived excretory/secretory products of either migrating larvae or adult worms

Immunization
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

Immunization
Rajasekariah, G. R.; and Howell, M. J., 1978, Exper. Parasitol., v. 44 (2), 233-238
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
Ratynska-Prill, D., 1975, Acta Parasitol. Polon., v. 23 (26-40), 403-415
Strongyloides papillosus, goats, primary infection and reinfections, white blood cell picture

Immunization
Razzakov, Sh. A., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (2), 148-152
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 oxazolone 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. 23 (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
Ribeiro, R. D.; and Pereira Barretto, M., 1977, Rev. Brasil. Biol., v. 37 (2), 233-239
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., 1978, J. Parasitol., v. 64 (4), 750-752
Plasmodium falciparum parasites obtained from culture are capable of inducing pronounced immunity to malaria in Aotus trivirgatus griseimembra

Immunization
Roberts, D. W.; and Weidanz, W. P., 1979, Am. J. Trop. Med. and Hyg., v. 28 (1), 1-3
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
Rocha, G. de M.; and Peireira Barretto, M., 1977, Rev. Brasil. Biol., v. 37 (2), 419-424
Trypanosoma cruzi, isolated from Callithrix 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
Rose, J. H., 1978, Research Vet. Sc., v. 24 (1), 61-64
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
Rothwell, T. L. W., 1978, Internat. J. Parasitol., v. 8 (1), 33-37
Trichostrongylus colubriformis, 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
Salata, E.; Barbosa, M. A.; and Correa, F. M. A., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (4), 211-214
Trypanosoma cruzi, antibody production in mice inoculated with irradiated vs. non irradiated culture forms of parasite

Immunization
dos Santos, R. R.; Menezes, H.; and Amato Neto, V., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (1), 47-49
Leptomonas pessoai unable to infect immunosuppressed mice, L. pessoai of possible use in immunization against Trypanosoma cruzi

Immunization
Schmidt-Ullrich, R.; and Wallach, D. F. H., 1978, Proc. National Acad. Sc., v. 75 (10), 4949-4953
Plasmodium knowlesi in Macaca mulatta, parasite-induced antigens in membranes of parasitized erythrocytes, possible relevance to development of antimalarial vaccines

Immunization
Schmidt-Ullrich, R.; Wallach, D. F. H.; and Lightholder, J., 1979, J. Exper. Med., v. 150 (1), 86-99
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 multi-stabilate vaccine given either as live or dead organisms followed by trypanocidal therapy, disappointing results

Immunization
Scott, M. T.; and Snary, D., 1979, Nature, London (5734), v. 282, 73-74
Trypanosoma cruzi, mice, protective immunization using cell surface glycoprotein

Immunization
Shoeb, S. M.; 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

Immunization
Siddiqui, W. A.; et al., 1978, Science (4362), v. 201, 1237-1239
Plasmodium falciparum, effective vaccination of Aotus trivirgatus griseimembra using a new adjuvant, possibly safer than Freund's adjuvant

Immunization
Siddiqui, W. A.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1277-1278
Plasmodium falciparum-vaccinated Aotus trivirgatus which had survived primary challenge with homologous strain were protected against subsequent challenge with heterologous strain

Immunization
Siddiqui, W. A.; Kramer, K.; and Richard-Crum, S. M., 1978, J. Parasitol., v. 64 (1), 168-169
Plasmodium falciparum, in vitro cultivation and partial purification of antigen suitable for vaccination studies in Aotus monkeys

Immunization
Singh, D. K.; Jagadish, S.; and Gautam, O. P., 1979, Am. J. Vet. Research, v. 40 (6), 767-769
Theileria annulata, Bos indicus x Bos taurus, immunization using irradiated infective particles derived from Hyalomma a. anatolicum

Immunization
Smith, M. A.; and Clegg, J. A., 1979, Parasitology, v. 78 (3), 311-321
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
Smith, R. D.; et al., 1979, Am. J. Vet. Research, v. 40 (12), 1678-1682
babesiosis, cattle, vaccination experiments to assess immunogenicity of and protection conferred by culture-derived Babesia bovis antigens against tick-borne infection

Immunization
Smith, W. D.; and Christie, M. G., 1978, Internat. J. Parasitol., v. 8 (3), 219-223
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
Stankiewicz, M.; Bezubik, B.; and Sinski, E., 1971, Acta Parasitol. Polon., v. 19 (19-28), 327-336
Strongyloides papillosus, rabbits, production of immunity by UV-irradiated larvae

Immunization
Stankiewicz, M.; Sinski, E.; and Bezubik, B., 1970, Acta Parasitol. Polon., v. 18 (27-41), 453-462
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
Stockdale, P. H. G.; and Yates, W. D. G., 1978, Vet. Parasitol., v. 4 (3), 209-214
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
Sturrock, R. F.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 251-261
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

Immunization
Swietlikowski, M., 1974, Acta Parasitol. Polon., v. 22 (35-44), 459-471
Dictyocaulus viviparus, calves, four age groups, double immunization, challenged one month later, course of defence reaction

Immunization
Swietlikowski, M., 1975, Acta Parasitol. Polon., v. 23 (1-11), 147-157
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
Swietlikowski, M.; and Moczon, T., 1978, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 26 (8), 549-554
Hymenolepis diminuta, lack of protective immunity in rats following immunization with increasing doses of oncospheres, cysticercoids, and mature Hymenolepis homogenates

Immunization
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

Immunization
Taylor, M. G.; et al., 1978, Colloque Immun. Parasit. Dis. (Thiverval-Grignon, Sept. 5-9, 1977), 291-305
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, Khelmintologiia, 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

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
Thompson, K. C.; Todorovic, R. A.; and Hidalgo, R. J., 1978, Research Vet. Sc., v. 24 (2), 234-237
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
Thong, Y. H.; et al., 1978, Am. J. Trop. Med. 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

Immunization
Thong, Y. H.; et al., 1978, Tr. Roy. Soc. Trop. 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, 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
Todorovic, R.; Gonzalez, E.; and Lopez, G., 1978, Tropenmed. u. Parasitol., v. 29 (2), 210-214
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
Tomanek, J.; and Pokorna, J., 1977, Vet. Med., Praha, v. 50, v. 22 (5), 311-320
Dictyocaulus filaria, 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
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 (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
Uakhowithchai, V.; Techasoponmani, R.; and Sirisinha, S., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (4), 486-493
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
Upadhyay, A. N.; and Ahluwalia, S. S., 1976, Indian Vet. J., v. 53 (12), 972-973
mixed coccidial infection, pig, first infection did not confer any immunity, pig became resistant to challenge after second infection

Immunization
Urquhart, G. M., 1978, Colloque Immun. Parasit. Dis. (Thiverval-Grignon, Sept. 5-9, 1977), 263-273
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
Verhave, J. P., 1978, Israel J. Med. Sc., v. 14 (5), 599-600
malaria, introductory remarks on immunization with sporozoites, symposium presentation

Immunization
Verhave, J. P.; Meuwissen, J. H. E. T.; and Golenser, J., 1978, Israel J. Med. Sc., v. 14 (5), 611-616
arguments for the involvement of cell-mediated immunity in antisporozoite protection, symposium presentation

Immunization
Viyanant, V.; and Jones, A. W., 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (1), 79-85
Trypanosoma lewisi, surface membrane antigen, isolation and characterization, protection of immunized rats against challenge

Immunization
Vizcaino, O.; et al., 1978, Am. J. Vet. Research, v. 39 (2), 229-233
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

Immunization
Voller, A., 1978, New Trends and Develop. Vaccines, 299-309
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 sulfamonomethoxine

Immunization
Walzer, P. D.; et al., 1979, Exper. Parasitol., v. 47 (3), 356-368
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
Weiss, M. L., 1978, Israel J. Med. Sc., v. 14 (5), 554-556
Plasmodium berghei, infectivity and immunogenicity, symposium presentation

Immunization
Werner, H., 1977, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 238 (1), 122-127
Toxoplasma gondii, mice, incidence in peripheral blood following primary and secondary infections, infection immunity does not protect against reinfection

Immunization
Wikerhauser, T.; et al., 1978, Acta Parasitol. Iugoslavica, v. 9 (2), 51-56
Taenia saginata, calves, immunization using a metabolic, parasite-free vaccine, no evidence of immunizing capacity

Immunization
Yoshimura, K.; et al., 1979, Japan. J. Vet. Sc., v. 41 (3), 245-259
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, time course development of antibodies (reaginic, hemagglutinating, and precipitating)

Immunization
Zaraza, H.; and Kuttler, K. L., 1976, Rev. Inst. Colomb. Agropec., v. 11 (4), 363-371
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
Adam, K. M. G.; and Blewett, D. A., 1978, Ann. Trop. Med. and Parasitol., v. 72 (5), 417-428
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
Amato Neto, V.; et al., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (4), 264-272
Toxoplasma gondii, human lymphatic infections, immunofluorescence tests and Sabin-Feldman dye tests compared

Immunofluorescence
Amato Neto, V.; et al., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (2), 83-86
human malarias, preliminary investigation of merits of testing blood donors for evidence of infection using the indirect immunofluorescence test

Immunofluorescence
Amato Neto, V.; et al., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (5), 277-282
Toxoplasma gondii, humans, agglutinotest compared with indirect immunofluorescence, agglutinotest not satisfactory

Immunofluorescence
Amato Neto, V.; Camargo, M. E.; and da Costa, A. C. T., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (3), 135-139
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
Amato Neto, V.; da Silva, L. J.; and Camargo, M. E., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (2), 99-102
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
Ambroise-Thomas, P., 1975, Ann. Soc. Belge Med. Trop., v. 55 (5), 497-504
filariasis, humans, diagnosis, immunofluorescence, review

Immunofluorescence
Ambroise-Thomas, P., 1977, Tech. Immunofluoresc. et React. Immuno-enzymat., 271-276
immunofluorescence for diagnosis of human parasitic diseases, review with specific techniques for Fasciola hepatica

Immunofluorescence
Ambroise-Thomas, P., 1978, Israel J. Med. Sc., v. 14 (6), 690-691
malaria, diagnosis and seroepidemiologic study by immunofluorescence, indirect hemagglutination, and immunoenzymology, brief symposium presentation

Immunofluorescence
Ambroise-Thomas, P.; 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 micromethod, parallel study by comparative serological tests

Immunofluorescence
Ambroise-Thomas, P.; Simon, J.; and Bayard, M., 1978, Biomedicine Express, v. 29 (7), 245-248
T[oxoplasma] gondii, human, indirect hemagglutination test using whole antigen for serodiagnosis and for determining stage of disease, comparison with indirect immunofluorescence

Immunofluorescence
Andrade, Z. A.; and Sadigursky, M., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 316-318
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
Andre, J.; and Filippi, R., 1978, Rev. Inst. Pasteur Lyon, v. 11 (1), 65-87
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

Immunofluorescence
de Araujo, F. G., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (2), 105-111
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

Immunofluorescence
Araujo, F. G.; and Nunes, R. M. B., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (6), 315-317
Trypanosoma cruzi, 3 strains with differences in antigenic structure, strain Fl always yielded lower titers in immunofluorescent test, use of pool of several strains recommended

Immunofluorescence
Arru, E.; Cosseddu, A. M.; and Tarantini, S., 1978, Clin. Vet., Milano, v. 101 (4), 195-200
Sarcosporidia, ovines, swine, indirect immunofluorescence technique compared with post mortem microscopic studies, no constant correspondence of results, not practical diagnostic tool

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., 1973, Rev. Patol. Trop., v. 2 (4), 377-386
human visceral leishmaniasis, diagnosis by counterimmunofluorescence, antigens of Leishmania donovani, L. brasiliensis and Leptomonas pessoai 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
Barbosa, W.; Rombert, P. C.; and da Rocha, R. P. M., 1972, Rev. Patol. Trop., v. 1 (1), 93-106
human filariasis, diagnosis by indirect immunofluorescence using fragments of adult Onchocerca volvulus as antigen, comparison with results in normal controls

Immunofluorescence
Baruffa, G.; and Alcantara Filho, A., 1973, Rev. Soc. Brasil. Med. Trop., v. 7 (5), 329-332
Trypanosoma cruzi, human acute and chronic forms, comparison of diagnosis by latex agglutination and by immunofluorescence

Immunofluorescence
Baruzzi, R. G., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (2), 93-104
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 mass screening, comparison with methylene blue dye test and indirect fluorescent antibody test: Oregon

Immunofluorescence
Belozerov, S. N.; and Shekhovtsov, N. V., 1978, Veterinariia, Moskva (2), 61-64
trichinosis, swine (exper.), new variant of immunofluorescence reaction for diagnosis using lyophilized larval antigen

Immunofluorescence
Benex, J., 1977, Tech. Immunofluoresc. et React. Immuno-enzymat., 495-502
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
Blewett, D. A.; and Adam, K. M. G., 1978, Ann. Trop. Med. and Parasitol., v. 72 (5), 405-415
Babesia divergens, cattle, serological survey using indirect fluorescent antibody test, critical assessment of sampling and testing methods: Scotland

Immunofluorescence
Bordjochki, A.; et al., 1978, Bull. Acad. Vet. France, n.s., v. 51 (2), 189-195
Sarcocystis fusiformis, S. tenella, S. miescheriana, rabbits (exper.), diagnostic value of complement fixation and fluorescent antibody tests

Immunofluorescence
Bretting, H.; and Schottelius, J., 1978, Ztschr. Parasitenk., v. 57 (3), 213-219
Trypanosoma cruzi and T. cruzi-like strains, differentiation from T. rangeli but not from T. conorhini by microimmunofluorescence using lectin of sponge (Aaptos papillata)

Immunofluorescence
Bruijning, C. F. A., 1975, Ann. Soc. Belge Med. Trop., v. 55 (5), 473-487
helminthic infections, human, diagnosis by immunofluorescence, general review

Immunofluorescence
Bulajic, M.; et al., 1977, Srpski Arkhiv Tselok. Lekar., v. 105 (7-8), 657-663
Fasciola hepatica, human, immunodiagnosis, comparative study of complement fixation, double diffusion precipitation, and indirect fluorescent antibody tests

Immunofluorescence
Cacciapuoti, B.; et al., 1979, Boll. Ist. Sieroterap. Milanese, v. 58 (2), 148-157
toxoplasmosis, human, diagnosis, complement fixation reaction, evaluation of different antigens and methods, comparison with dye test and indirect immunofluorescence

Immunofluorescence
Calderon, C.; and Atias, A., 1974, Sangre, Barcelona, v. 19 (3), 253-258
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
Camargo, M. E., 1975, AMB, Rev. Ass. Med. Brasil., v. 21 (11), 341-344
Toxoplasma gondii, pregnant women, serodiagnosis, review

Immunofluorescence
Camargo, M. E.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (4), 254-260
Trypanosoma cruzi, human, comparative serologic diagnosis, complement fixation, immunofluorescence, hemagglutination, flocculation tests

Immunofluorescence
Camargo, M. E.; et al., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (3), 152-160
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
Camargo, M. E.; and Amato Neto, V., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (4), 200-202
Trypanosoma cruzi, IgM antibodies as evidence of recent infection, immunofluorescent technique, epidemiological applications

Immunofluorescence
Camargo, M. E.; Hoshino-Shimizu, S.; and Umezawa, E. S., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (4), 230-235
Trypanosoma cruzi, I.M.T.-Chagas flocculation test evaluated, compared with complement fixation, hemagglutination and immunofluorescence test results

Immunofluorescence
Camargo, M. E.; and Leser, P. G., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (4), 227-238
toxoplasmosis, humans with recently acquired infections, transitional serological patterns and evolution of antibodies studied comparing hemagglutination, complement fixation and immunofluorescence tests

Immunofluorescence
Camargo, M. E.; Leser, P. G.; and Leser, W. S. P., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (4), 215-226
Toxoplasma gondii, comparative study of hemagglutination, complement fixation, IgG- and IgM-immunofluorescence tests on human serum samples

Immunofluorescence
Camargo, M. E.; Leser, P. G.; and Rocca, A., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (5), 310-313
Toxoplasma gondii, human, IgM fluorescence test, false positive results caused by rheumatoid factor; heat-aggregated gamma globulin added to sera avoids false positives

Immunofluorescence
Cerisola, J. A.; et al., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (3), 162-166
Trypanosoma cruzi, new amastigote antigen superior to antigen from epimastigotes, indirect immunofluorescence test

Immunofluorescence
Cerisola, J. A.; Alvarez, M.; and De Rissio, A. M., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (6), 403-411
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 (6), 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), 393-400
Angiostrongylus cantonensis, rats and rabbits (both exper.), fluorescent antibody vs. indirect hemagglutination test for diagnosis

Immunofluorescence
Chiari, C. de A.; Magalhaes, P. A.; and Mayrink, W., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (5), 304-309
Leishmania braziliensis, variations of fluorescent antibody titers in persons with recent cutaneous lesions

Immunofluorescence
Chiari, C. de A.; Mayrink, W.; and Magalhaes, P. A., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (5), 298-303
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-reactivity did occur with other Babesia spp. and with Plasmodium spp.

Immunofluorescence
Cimerman, B.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (2), 113-116
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
Corradi, J. C., 1979, Acta Bioquim. Clin. Latinoam., v. 13 (3), 277-281
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
Correa, F. M. A.; Salata, E.; and Oliveira, M. R., 1978, Arq. Inst. Biol., S. Paulo, v. 45 (4), 209-212
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
Coudert, J.; et al., 1975, Ann. Soc. Belge Med. Trop., v. 55 (5), 525-533
Strongyloides stercoralis, humans, diagnosis, fecal examination, immunofluorescence, clinical aspects, review

Immunofluorescence
Cox, J. C.; and Gallichio, H. A., 1978, Research Vet. Sc., v. 24 (2), 260-261
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 immunofluorescent staining of exoerythrocytic schizonts in rat liver sections exposed to antisporozoite or anti-red blood cell serum, possible use in detecting early developmental stages in cell culture

Immunofluorescence
De Carli, G. A.; and Guerrero, J., 1975, Rev. Microbiol., S. Paulo, v. 6 (3), 55-58
Tritrichomonas suis, T. foetus, study of antigenic relationships using indirect immunofluorescence, results suggested presence of antigens that were common to both species

Immunofluorescence
Deelder, A. M.; Van Dalen, D. P.; and Van Egmond, J. G., 1978, Exper. Parasitol., v. 44 (2), 216-224
Schistosoma mansoni, microfluorometric determination (using DASS system) of circulating anodic antigen and antigen-antibody complexes in infected hamster serum

Immunofluorescence
Dias, L. C. de S.; et al., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (1), 37-44
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
Diesfeld, H. J.; and Kirsten, C., 1978, Tropenmed. u. Parasitol., v. 29 (1), 27-32
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
Diesfeld, H. J.; and Kirsten, C., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (5), 533-535
Dipetalonema viteae, antigenic activity in adult worms in the indirect fluorescent antibody test against sera of filariasis patients, search for a 'pure' antigen

Immunofluorescence
Doby, J. M.; Hocquet, P.; and Kombila-Favry, M., 1978, Rev. Franc. Gynec. et Obst., v. 73 (6), 453-456
toxoplasmosis, immunoserologic diagnosis in pregnant women, responsibilities of physicians and diagnostic laboratories in providing accurate diagnostic information

Immunofluorescence
Dunan, S., 1978, Rec. Med. Vet., v. 154 (3), 251-261
leishmaniasis, human and canine, immunologic diagnosis, changes in antibody levels during course of disease, interpretation of results

Immunofluorescence
Durham, T. M.; and Colvin, H. M., 1978, J. Clin. Microbiol., v. 7 (3), 255-260
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
Dwivedi, S. K.; and Gautam, O. P., 1979, Indian J. Animal Sc., v. 49 (8), 664-666
Babesia bigemina, calves (exper.), diagnosis, indirect fluorescent antibody test

Immunofluorescence
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

Immunofluorescence
Edrissian, G. H.; and Darabian, P., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 289-292
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, immuno-peroxidase-antiglobulin diagnostic test compared with standard immunofluorescence and hemagglutination tests

Immunofluorescence
Flentje, B.; Buchwalder, R.; and Hiepe, T., 1978, Arch. Exper. Vet.-Med., v. 32 (2), 205-212
Taeniarhynchus saginatus, cattle (exper.), intravital diagnosis by means of immunofluorescent antibody technique, economically superior to other immunodiagnostical procedures

Immunofluorescence
Florez, G.; Sanchez, C.; and Albala, F., 1976, Rev. Clin. Espan., v. 141 (5), 431-433
human echinococcosis, diagnosis using immunofluorescence

Immunofluorescence
Franco, H. M.; Rombert, P. C.; and Martins, M. A., 1972, Rev. Patol. Trop., v. 1 (4), 431-438
S[chistosoma] mansoni, indirect fluorescent antibody test using fragments of fresh adult parasites, diagnostic evaluation

Immunofluorescence
Gannon, J., 1978, Lab. Animals, v. 12 (3), 125-127
Encephalitozoon cuniculi, rabbits (nat. and exper.), diagnosis, immunoperoxidase test, comparison with immunofluorescence test

Immunofluorescence
Gentilini, M.; et al., 1976, Rev. Franc. Transfus. et Immuno-Hematol., v. 19 (2), 363-367
human malarias, systematic screening of all potential blood donors recommended using the indirect immunofluorescence test and Plasmodium berghei antigen

Immunofluorescence
Gonzalez, E. F.; Long, R. F.; and Todorovic, R. A., 1978, Am. J. Vet. Research, v. 39 (9), 1538-1541
Anaplasma marginale, cattle, diagnosis, comparisons of complement-fixation, indirect fluorescent antibody, and card agglutination tests

Immunofluorescence
Gradkovskaia, N. V.; Gracheva, L. I.; and Shemanova, G. F., 1978, Zhurnal Mikrobiol., Epidemiol. i Immunol. (8), 106-109
toxoplasmosis, human, diagnosis, passive hemagglutination test, antigen preparation, comparison with immunofluorescence and complement fixation tests

Immunofluorescence
Griffin, B. R.; and Davis, E. M., 1978, J. Fish. Research Bd. Canada, v. 35 (9), 1186-1190
Myxosoma cerebralis-infected Salmo gairdneri, detection of circulating antibodies with indirect fluorescent antibody test

Immunofluorescence
Grove, D. I.; and Davis, R. S., 1978, Am. J. Trop. Med. and Hyg., v. 27 (3), 508-513
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
Guimaraes, M. C. S.; Giovannini, V. L.; and Camargo, M. E., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (3), 145-148
mucocutaneous leishmaniasis immunofluorescence test using in vitro grown strain of L[eishmania] braziliensis, antigen standardization, cross reactions with Chagas disease and kala-azar sera

Immunofluorescence
Guimaraes, M. C. S.; Ribeiro, M. T.; and Camargo, M. E., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (3), 182-190
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), 849-852
Plasmodium falciparum, use of cultured parasites as antigen in standard indirect fluorescent antibody test

Immunofluorescence
Hansen, R.; de Silva, S.; and Strickland, G. T., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (5), 574-578
Plasmodium berghei, IgM and IgG antisporozoite 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
Hedge, E. C.; Moody, A. H.; and Ridley, D. S., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (4), 445 [Letter]
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
Hess, U.; Eckert, J.; and Frohlich, A., 1974, Schweiz. Med. Wchnschr., v. 104 (24), 853-859
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
Hinz, E., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 242 (2), 268-272
Echinococcus multilocularis, HH vs. S strain, mice treated with fenbendazole as emulsion or in feed, indirect fluorescent antibody titers, compared with untreated mice

Immunofluorescence
Hinz, E.; and Kirsten, C., 1978, Tropenmed. u. Parasitol., v. 29 (3), 278-280
Echinococcus multilocularis, indirect immunofluorescent antibody test with paraffin-embedded histological sections as antigen, specificity and sensitivity in mouse model

Immunofluorescence
Hoff, R.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 247-250
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
Hoshino, S.; Camargo, M. E.; and da Silva, L. C., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (2), 136-143
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 i Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 76 (12), 950-954
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, Tropenmed. u. Parasitol., v. 29 (3), 307-310
Eperythrozoon ovis, sheep, indirect immunofluorescent antibody test, evaluation for diagnostic purposes, recommended for use in epidemiological studies

Immunofluorescence
Ilemobade, A. A.; and Blotkamp, C., 1978, Tropenmed. u. Parasitol., v. 29 (3), 311-314
Eperythrozoon ovis, sheep, incidence survey using the indirect immunofluorescent antibody test, 36% were sero-positive but only 12 had positive smears for parasites indicating endemic stability of area: Nigeria

Immunofluorescence
Ishizuka, M. M.; et al., 1975, Rev. Fac. Med. Vet. e Zootec. Univ. S. Paulo, v. 12, 283-287
Toxoplasma gondii, horses, detection of antibodies by Sabin-Feldman test and indirect fluorescent antibody technique compared

Immunofluorescence
Jeon, Y.; et al., 1977, Research Rep., Office Rural Develop., Min. Agric. and Fish., Korea (Vet. and Sericult.), v. 19, 27-32
Theileria spp., Korean strain, cattle, serological diagnosis, indirect fluorescent antibody technique

Immunofluorescence
Kaggwa, E.; Weiland, G.; and Rommel, M., 1979, Bull. Animal Health and Prod. Africa, v. 27 (2), 127-137
Besnoitia besnoiti, B. jellisoni, rabbits, mice, diagnosis, indirect immunofluorescent antibody technique and enzyme-linked immunosorbent assay compared

Immunofluorescence
Kaliraj, P.; Ghirnikar, S. N.; and Harinath, B. C., 1979, Indian J. Exper. 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

Immunofluorescence
Kanamura, H. Y.; et al., 1979, Am. J. 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
Kanamura, H. Y.; Hoshino-Shimizu, S.; and da Silva, L. C., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (2), 76-81
S[chistosoma] mansoni, human, pattern of class-specific fluorescent antibodies according to infection stages, hemagglutination test comparisons

Immunofluorescence
Kertesz, V.; Roberts, P. W.; and Sharp, P., 1979, Med. J. Australia, v. 2 (13), 678-680
hydatid disease, humans, diagnosis, evaluation of sensitivity and specificity of 3 commonly used serological tests: complement fixation, haemagglutination, and fluorescent antibody techniques

Immunofluorescence
Khodr, 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 fetales, case report, demonstration of toxoplasmic antigenic material in fetal and placental tissue using direct immunofluorescence

Immunofluorescence
Khoury, E. L.; et al., 1978, Am. J. Clin. Path., v. 69 (1), 62-65
Trypanosoma cruzi, humans, immunofluorescent vascular pattern of EVI antibody (anti-skeletal muscle antibody) on liver tissue useful in detecting previously undiagnosed infections, especially in patients with connective tissue disorders

Immunofluorescence
Kien, T.; et al., 1978, Microbia, v. 4 (3), 43-50
toxoplasmosis, human, diagnosis, evaluation of fluorescent anti-IgM conjugates in Remington reaction, results proved lack of specificity of some conjugates

Immunofluorescence
Kloetzel, J.; and Deane, M. P., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (6), 397-402
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
Kumar, V.; van Meirvenne, N.; and Mortelmans, J., 1978, Vet. Parasitol., v. 4 (2), 175-181
Metastrongylus apri, pigs (exper.), serodiagnosis by means of indirect fluorescent antibody test

Immunofluorescence
Laarman, J. J.; van den Eijk, A. A.; and Tavenier, P., 1975, Ann. Soc. Belge Med. Trop., v. 55 (5), 571-577
Entamoeba histolytica, human, diagnosis, gel diffusion vs. immunofluorescence

Immunofluorescence
Lalic, R.; et al., 1979, Period. Biol., v. 81 (2), 485-487
T[richinella] spiralis, humans (nat.), guinea pigs (exper.), humoral immune response, indirect immunofluorescence test, possible application to immunodiagnosis

Immunofluorescence
Lalic, R.; Cuperlovic, K.; and Movsesijan, M., 1976, Acta Vet., Beograd, v. 26 (2), 69-75
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
Latif, B. M. A.; Al-Shenawi, F. A.; and Al-Alousi, T. I., 1979, Ann. Trop. Med. and Parasitol., v. 73 (1), 31-35
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
Latif, B. M. A.; Said, M. S.; and Ali, S. R., 1979, Vet. Parasitol., v. 5 (4), 307-314
Babesia bigemina, cattle of 2 different age groups (exper.), clinical manifestations, parasitemia, indirect fluorescent antibody titer

Immunofluorescence
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

Immunofluorescence
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

Immunofluorescence
Leser, P. G.; Camargo, M. E.; and Baruzzi, R., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (4), 232-236
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
Lopes, E. R.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 244-246
Trypanosoma cruzi, human, post-mortem diagnosis of chronic Chagas disease, evaluation of 3 serological tests on pericardial fluid (haemagglutination, fluorescent antibody, and complement fixation)

Immunofluorescence
Lopez-Brea, M.; Iturriaga, R.; and Aparicio, M., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 348 [Letter]
Leishmania donovani, child, diagnosis using Crithidia sp. as antigen for the indirect fluorescent antibody test gave positive results earlier than direct smear from the spleen

Immunofluorescence
Lopez V., G.; and Todorovic, R. A., 1978, Vet. Parasitol., v. 4 (1), 1-9
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

Immunofluorescence
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

Immunofluorescence
Luckins, A. G.; Gray, A. R.; and Rae, P., 1978, Ann. Trop. Med. and Parasitol., v. 72 (5), 429-441
Trypanosoma evansi, rabbits, serodiagnosis, comparison of serum immunoglobulin levels, enzyme-linked immunosorbent assay, and fluorescent antibody test

Immunofluorescence
Luckins, A. G.; and Mehlitz, D., 1978, Trop. Animal Health and Prod., v. 10 (3), 149-159
trypanosomiasis, cattle, diagnosis, indirect fluorescent antibody test, enzyme-linked immunosorbent assay, and serum IgM levels compared: Liberia

Immunofluorescence
Machado, A. de J.; Carmargo, M. E.; and Hoshimo, S., 1973, Rev. Soc. Brasil. Med. Trop., v. 7 (3), 181-183
Cysticercus cellulosae, fluorescent antibody test for serodiagnosis, delipidized particles of parasite fixed on microscope slides used for antigen

Immunofluorescence
Machnicka, B.; et al., 1977, Acta Parasitol. Polon., v. 25 (1-10), 55-62
Cysticercus bovis in calves (exper.), morphogenesis, localization, host tissue reaction, immunological findings in indirect immunofluorescence test, histological and histochemical study of bladder

Immunofluorescence
Magnani, M. A. C.; Ferriolli, F. (filho); and de Siqueira, A. F., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (2), 72-75
Trypanosoma cruzi, human sera, indirect immunofluorescence used for detection of specific immunoglobulin levels (IgA, IgG, IgM)

Immunofluorescence
Maier, W. A.; and Piekarski, G., 1979, Immun. u. Infekt., v. 7 (3), 75-82
malaria, human, diagnosis, indirect immunofluorescent test using Plasmodium berghei or P. falciparum as antigen

Immunofluorescence
Manawadu, B. R.; and Voller, A., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (5), 456-462
malaria, standardization of indirect fluorescent antibody test

Immunofluorescence
Manawadu, B. R.; and Voller, A., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (5), 463-466
Plasmodium spp., detection 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
Mannweiler, E.; Lederer, I.; and zum Felde, I., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 240 (3), 397-402
L[eishmania] 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

Immunofluorescence
Marinkelle, C. J.; et al., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (2), 112-114
Chagas disease, human, diagnosis in rural areas using immunofluorescence, recommendations for storage of serum absorbed on filter paper samples

Immunofluorescence
Markiw, M. E.; and Wolf, K., 1978, J. Fish. Research Bd. Canada, v. 35 (6), 828-832
Myxosoma cerebralis, rabbits immunized with antigens extracted from mature spores or prespore stages, antisera 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
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

Immunofluorescence
Menzel, S.; and Bienzle, U., 1978, Tropenmed. u. Parasitol., v. 29 (2), 194-197
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
Meuwissen, J. H. E. T., 1975, Ann. Soc. Belge Med. Trop., v. 55 (5), 585-591
human malaria, indirect fluorescent antibody technique, review: Holland

Immunofluorescence
Meyers, J. D.; et al., 1979, Am. Rev. Resp. Dis., v. 120 (6), 1283-1287
Pneumocystis carinii, marrow-transplant patients, diagnosis, counterimmunoelectrophoresis, indirect immunofluorescence

Immunofluorescence
Mougeot, G.; et al., 1978, Ann. Parasitol., v. 53 (3), 277-283
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

Immunofluorescence
Mougeot, G.; Golvan, Y. J.; and Delattre, P., 1978, Compt. Rend. Acad. Sc., Paris, v. 286, s. D, Sc. Nat., (1), 141-143
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
Munday, B. L., 1978, Internat. J. Parasitol., v. 8 (4), 285-288
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
Nardin, E. H.; and Nussenzweig, R. S., 1978, Nature, London (5666), v. 274, 55-57
Plasmodium berghei-mouse and P. knowlesi-rhesus monkeys systems, detection of stage and species specific antisporozoite antibodies with circumsporozoite precipitation and indirect immmunofluorescence methods, preliminary application to P. falciparum in humans with similar results

Immunofluorescence
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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

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Immunofluorescence
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Immunofluorescence
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Immunofluorescence
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Immunofluorescence
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T[rypanosoma] cruzi, soldiers from 4 different provinces in 3 different years, prevalence of infection, correlation between different serodiagnostic methods: northeastern Argentina

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Immunofluorescence
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Immunofluorescence
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Trypanosoma cruzi, human, diagnosis, comparison between indirect immunofluorescent and indirect immunoperoxidase tests

Immunofluorescence
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Immunofluorescence
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Immunofluorescence
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Schistosoma mansoni-infected mice, presence of circulating polysaccharide schistosomal antigen in Kupffer cells demonstrated by immunofluorescence

Immunofluorescence
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Immunofluorescence
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Immunofluorescence
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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

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Immunofluorescence
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Plasmodium vivax, P. falciparum, human, survey, indirect immunofluorescence test, prevalence of antibodies: Costa Rica

Immunofluorescence
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Immunofluorescence
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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

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Trypanosoma gambiense, human, diagnosis, indirect fluorescent antibody test using T. gambiense, T. brucei, or T. congolense strains as antigen, standardization of easy technique to be used in mass surveys

Immunofluorescence
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Entamoeba histolytica, human hepatic abscess, diagnosis, indirect fluorescent antibody test

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Acanthamoeba culbertsoni, retrospective identification of organism causing fatal amoebic meningoencephalitis in immunosuppressed man, positive results obtained with anti-Acanthamoeba culbertsoni sera when brain sections were stained by indirect immunofluorescence antibody test

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Anaplasma marginale, cattle, comparison of 4 serological tests for detection of humoral antibodies (capillary agglutination, complement fixation, plate agglutination, and indirect fluorescent antibody)

Immunofluorescence
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Dirofilaria immitis, dogs (exper.) without microfilaremia, indirect fluorescent antibody titers, degree of eosinophilia, and radiologic findings before and after treatment, reinfection, necropsy findings, significance of tests, application to diagnosis

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Entamoeba histolytica, human, diagnosis, development and evaluation of enzyme-linked immunosorbent assay, compared with indirect fluorescent antibody and indirect hemagglutination techniques

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Immunofluorescence
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Endamoeba histolytica, diagnosis, indirect fluorescent antibody test

Immunofluorescence
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Immunoglobulins
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Immunoglobulins
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Immunoglobulins
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Immunoglobulins
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Immunoglobulins
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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 potential

Immunoglobulins
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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
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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

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Immunoglobulins
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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
Bruijning, C. F. A.; and de Vries, H., 1978, Acta Leidensia, v. 46, 31-51
Schistosoma mansoni, transmission of IgG, IgM, and IgA antibodies from mother to fetal and newborn mice

Immunoglobulins
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Immunoglobulins
Camargo, M. E.; Leser, P. G.; and Leser, W. S. P., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (4), 215-226
Toxoplasma gondii, comparative study of hemagglutination, complement fixation, IgG- and IgM-immunofluorescence tests on human serum samples

Immunoglobulins
Camargo, M. E.; Leser, P. G.; and Rocca, A., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (5), 310-313
Toxoplasma gondii, human, IgM fluorescence test, false positive results caused by rheumatoid factor; heat-aggregated gamma globulin added to sera avoids false positives

Immunoglobulins
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Schistosoma mansoni, rats, eosinophil-dependent cytotoxicity, involvement of IgG_{2a} antibody and role of mast cells, these and previous observations suggest possible participation of anaphylactic antibodies in immunity to schistosomes in the rat

Immunoglobulins
Capron, A.; Dessaint, J. P.; and Capron, M., 1978, Colloque Immun. Parasit. Dis. (Thiverval-Grignon, Sept. 5-9, 1977), 217-230
effector mechanisms in immunity to schistosomes, comparison of 2 antibody-dependent cell-mediated cytotoxicity models (IgG-eosinophil model vs. IgE-macrophage model), colloquium presentation

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Immunoglobulins
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Immunoglobulins
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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
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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
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immune effector mechanisms, review

Immunoglobulins
Cornille-Brøgger, 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

Immunoglobulins
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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

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Immunoglobulins
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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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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
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Immunoglobulins
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Strongyloides stercoralis, British ex-Far East prisoners of war with longstanding infections, lack of immunoglobulin E response

Immunoglobulins
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Theileria annulata, specific IgM and IgG antibodies detected in immunized or infected cattle

Immunoglobulins
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Immunoglobulins
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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

Immunoglobulins
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comparison of IgG and IgM contents in serum vs. filter paper blood eluates

Immunoglobulins
Hansen, R.; de Silva, S.; and Strickland, G. T., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (5), 574-578
Plasmodium berghei, IgM and IgG antisporozoite 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
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Immunoglobulins
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Immunoglobulins
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Schistosoma japonicum, IgE, mast cells, and eosinophils in skin of Macaca mulatta immunized with X-irradiated cercariae

Immunoglobulins
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Immunoglobulins
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measurement of levels of immunoglobulin M and determination of relationships to levels of malarial antibodies in normal subjects living in a holoendemic malarial region: Nigeria

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Immunoglobulins
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cellular basis of reaginic antibody formation in vitro, DNP-Ascaris suum used as antigen

Immunoglobulins
Ishizaka, K.; and Kishimoto, T., 1978, Immunol. Series, v. 7, 165-188
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Immunoglobulins
Ishizaka, K.; Okudaira, H.; and Takatsu, K., 1978, Immunol. Series, v. 7, 127-164
IgE antibody response in inbred mice, review, DNP-Ascaris suum as one of antigens used, also includes some information on Nippostrongylus brasiliensis

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Trichinella spiralis, infected or immunized mice, rats, and miniature pigs, humoral and secretory immunoglobulins active in inhibition of production of larvae

Immunoglobulins
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Nippostrongylus brasiliensis, stimuli for production and control of IgE in rats, review

Immunoglobulins
Jarrett, E. E. E.; and Bazin, H., 1977, Clin. and Exper. Immunol., v. 30 (2), 330-332
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
Jensen, P. T.; and Nansen, P., 1978, Acta Vet. Scand., v. 19 (4), 601-603
ostertagiasis, calves, serum levels of immunoglobulins, albumin, total protein, and pepsinogen

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Schistosoma mansoni, cytotoxicity of human and baboon mononuclear phagocytes against schistosomula in vitro, induction by immune complexes containing IgE and parasite antigens

Immunoglobulins
Kanamura, H. Y.; et al., 1979, Am. J. 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

Immunoglobulins
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S[chistosoma] mansoni, human, pattern of class-specific fluorescent antibodies according to infection stages, hemagglutination test comparisons

Immunoglobulins
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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

Immunoglobulins
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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

Immunoglobulins
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Schistosoma mansoni, identification of immunoglobulin classes associated with tegument of adult parasites from mice

Immunoglobulins
Kien, T.; et al., 1978, Microbia, v. 4 (3), 43-50
toxoplasmosis, human, diagnosis, evaluation of fluorescent anti-IgM conjugates in Remington reaction, results proved lack of specificity of some conjugates

Immunoglobulins
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Trypanosoma cruzi, immunofluorescence of F vs. Y strain, host immunoglobulins attached to surface of F strain, capping of immunoglobulins during differentiation in culture medium

Immunoglobulins
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D[iphyllobothrium] latum, human, serum immunoglobulin levels, precipitation tests (Ouchterlony, immunoelectrophoresis)

Immunoglobulins
Laltoo, H.; Van Zoost, T.; and Kind, L. S., 1979, Immunol. Commun., v. 8 (1), 1-9
Myocoptes musculinus, mice, positive skin test to mite antigens, kinetics of IgE antibody response to mite antigens, mast cell degranulation by mite extract

Immunoglobulins
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Immunoglobulins
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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

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Immunoglobulins
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trypanosomiasis, cattle, diagnosis, indirect fluorescent antibody test, enzyme-linked immunosorbent assay, and serum IgM levels compared: Liberia

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Schistosoma mansoni, antibody (IgG)-mediated adherence of rat eosinophils to schistosomula in vitro with consequent damage to parasite

Immunoglobulins
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Immunoglobulins
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trypanosomiasis, sheep (nat. and exper.), serum immunoglobulin levels during course of infection

Immunoglobulins
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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

Immunoglobulins
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Trypanosoma cruzi, human sera, indirect immunofluorescence used for detection of specific immunoglobulin levels (IgA, IgG, IgM)

Immunoglobulins
Mak, J. W.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (4), 395-399
Brugia malayi, and Wuchereria bancrofti, humans, immunoglobulin levels and complement components determined in populations in various endemic areas in Peninsular Malaysia

Immunoglobulins
Mancino, D.; and Bevilacqua, N., 1979, Internat. Arch. Allergy and Applied Immunol., v. 59 (4), 427-431
adjuvant effect of amorphous silica vs. aluminum hydroxide on IgE antibody production in mice, dinitrophenylated Ascaris extract used as immunogen

Immunoglobulins
Mangenot, M.; et al., 1979, Med. Trop., v. 39 (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
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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
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L[eishmania] 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
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Ascaris suum, Nippostrongylus brasiliensis, effect on potentiation of IgE response in guinea pigs

Immunoglobulins
Marretta, J.; and Casey, F. B., 1979, J. Immunol. Methods, v. 31 (1-2), 183-185
Ascaris suum, guinea pigs, dependence of IgE and IgG_1 immune responses on inclusion of potassium in preparation of alum adjuvant

Immunoglobulins
Mayrhofer, G., 1977, Ciba Found. Symp., n.s. (46), 155-182
Nippostrongylus brasiliensis-infected rats, sites of synthesis and localization of IgE

Immunoglobulins
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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
Mitchell, G. F., 1979, Advances Immunol., v. 28, 451-511
immunological and 'paraimmunological' responses to infection with metazoan and protozoan parasites in mouse models, extensive review

Immunoglobulins
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

Immunoglobulins
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Heligmosomoides polygyrus, mice, oral infection and challenge, serum protein levels, immunoglobulin levels, specific antibody levels

Immunoglobulins
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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

Immunoglobulins
Molyneux, M. E.; 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

Immunoglobulins
Naik, S. R.; et al., 1979, Trop. and Geogr. Med., v. 31 (4), 493-498
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
Nash, T. E., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 939-943
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

Immunoglobulins
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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

Immunoglobulins
Nawa, Y.; Parish, C. R.; and Miller, H. R. P., 1978, Cellular Immunol., v. 37 (1), 41-50
Nippostrongylus brasiliensis, immune thoracic duct lymphocytes fractionated into cells lacking or bearing surface immunoglobulin, protective capacities of each subpopulation examined

Immunoglobulins
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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
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

Immunoglobulins
de Oliveira, A. R.; and Penha, A. M., 1978, Arq. Inst. Biol., Sao Paulo, v. 45 (3), 191-195
nematodes, calves (Holstein x Zebu, exper.), electrophoresis of serum protein (total and fraction) changes

Immunoglobulins
Onyewotu, I. I., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (4), 386-388
circulating immune complexes in 38 to 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

Immunoglobulins
Oomen, J. M. V.; Meuwissen, J. H. E. T.; and Gemert, W., 1979, Trop. and Geogr. Med., v. 31 (4), 587-606
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

Immunoglobulins
Oswal, S.; et al., 1979, v. 70, 407-411
hookworm, hospital patients, serum and intestinal immunoglobulin levels, relationship to ova load

Immunoglobulins
Ovary, Z.; et al., 1978, Immunol. Rev., v. 41, 26-51
Nippostrongylus brasiliensis, regulation of IgE in mice, review

Immunoglobulins
Partono, F.; et al., 1978, J. Trop. Med. and Hyg., v. 81 (12), 252-254
Wuchereria bancrofti, human, serum immunoglobulin levels, persons with and without clinical manifestations and with and without microfilaremia: Jakarta, Indonesia

Immunoglobulins
Patton, S.; et al., 1978, Am. J. Vet. Research, v. 39 (1), 19-23
Strongylus vulgaris, ponies (exper.), changes in serum proteins, increased IgT concentration, repeated exposure to small doses of larvae resulted in a significant degree of acquired resistance against a challenge dose

Immunoglobulins
Pinon, J. M.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 318-324
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
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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

Immunoglobulins
Poletaeva, O. G., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (2), 143-148
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
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, IgG_1 and IgG_{2a} concentrations

Immunoglobulins
Prowse, S. J.; Ey, P. L.; and Jenkin, C. R., 1978, Austral. J. Exper. Biol. and Med. Sc., v. 56 (2), 237-246
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

Immunoglobulins
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Trichinella pseudospiralis, germfree and conventional mice, immunoglobulin and haemagglutinating antibody levels compared

Immunoglobulins
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simplified chromatographic separation of IgM from IgG and its application to diagnosis of Toxoplasma gondii by indirect immunofluorescence

Immunoglobulins
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

Immunoglobulins
Ray, D.; and Saha, K., 1978, Am. J. Trop. Med. and Hyg., v. 27 (3), 503-507
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 IgE-secreting cells using reverse plaque-forming cell assay

Immunoglobulins
Reese, R. T.; and Motyl, M. R., 1979, J. Immunol., v. 123 (4), 1894-1899
Plasmodium falciparum, inhibition of in vitro growth by immune serum and purified immunoglobulin from Aotus sp.

Immunoglobulins
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

Immunoglobulins
Ribeiro dos Santos, R.; et al., 1979, Tropenmed. u. Parasitol., v. 30 (1), 19-23
T[rypanosoma] cruzi-infected humans, presence of IgG and IgM antibodies to neurons demonstrated by immunofluorescence

Immunoglobulins
Richard-Lenoble, D.; et al., 1978, Ann. Trop. Med. and Parasitol., v. 72 (6), 553-560
hydatidosis, human, serodiagnosis (radioimmunoassay, indirect haemagglutination, immuno-electrodiffusion), subclasses of specific anti-hydatid immunoglobulin, detection of circulating immune complexes

Immunoglobulins
Rosenberg, Y. J.; and Evans, C. B., 1979, Nature, London (5729), v. 281, 302-304
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), 33-39
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
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

Immunoglobulins
Ruitenberg, 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
Saha, K.; et al., 1979, Indian J. Med. Research, v. 70, 22-32
parasitic diseases, human, serum immunoglobulin and complement profile: India

Immunoglobulins
Salih, S. Y.; Voller, A.; and Woodruff, A. W., 1978, Tropenmed. u. Parasitol., v. 29 (3), 269-274 [Erratum v. 30 (1), 1979, 130]
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
Santoro, F.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (3), 156-160
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
dos Santos, R. R.; and Marquez, J. O., 1977, Rev. Neurol. Argentina, v. 3 (3), 439-442
T[rypanosoma] 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
Scaglia, M.; et al., 1979, Internat. Arch. Allergy and Applied Immunol., v. 59 (4), 465-468
intestinal parasite load in relation to serum IgE levels in individuals from 2 ethnic groups from North and South Rwanda

Immunoglobulins
Schmunis, G. A.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (3), 473-477
Trypanosoma cruzi, humans, immunoglobulin M, G, and A concentrations in treated acute Chagas' disease

Immunoglobulins
Schmunis, G. A.; Averbach, S.; and Averbach, B., 1976, Rev. Asoc. Bioquim. Argent. (224), v. 41, 43-50
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
Shcheulov, A. P., 1974, Parazitologiia, Leningrad, v. 8 (6), 553-562
Toxoplasma gondii, rabbits immunized with high vs. low virulence strain, immunodiffusion and complement fixation tests, serum protein fractions

Immunoglobulins
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 complexes; high levels of anti-Forssman antibodies

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

Immunoglobulins
Smith, H. V.; Herbert, I. V.; and Davis, A. J., 1979, Immunology, v. 38 (4), 659-664
Hyostrongylus rubidus, pigs, primary infection, numbers of immunoglobulin-positive cells in stomach

Immunoglobulins
Smith, W. D.; and Christie, M. G., 1978, Internat. J. Parasitol., v. 8 (3), 219-223
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
Storey, J.; et al., 1979, Ann. Trop. Med. and Parasitol., v. 73 (4), 311-315
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
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
Suemura, M.; Urban, J. F., jr.; and Ishizaka, K., 1978, J. Immunol., v. 121 (6), 2413-2421
Nippostrongylus brasiliensis, development of IgE-forming cells in vitro from rat mesenteric lymph node cells

Immunoglobulins
Tada, T., 1978, Immunol. Series, v. 7, 101-126
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
Tada, T.; Okumura, K.; and Taniguchi, M., 1973, Immunol. Series, v. 1, 43-61
cellular and humoral controls of reaginic antibody synthesis in the rat, dinitrophenylated Ascaris suum extract used as immunizing antigen

Immunoglobulins
Teixeira, A. R. L.; et al., 1978, J. Clin. Invest., v. 62 (6), 1132-1141
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, Khelmintologiia, 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

Immunoglobulins
Torpier, G.; Capron, A.; and Ouaissi, M. A., 1979, Nature, London (5703), v. 278, 447-449
Schistosoma mansoni, receptor for IgG(Fc) and human β_2-microglobulin on schistosomula

Immunoglobulins
Traub, N.; et al., 1978, East African Med. J., v. 55 (10), 477-481
Trypanosoma brucei rhodesiense, human congenital, fatal infection in mother, infant successfully treated with suramin and mel-B, immunoglobulin levels at diagnosis, during treatment, and post-treatment, case reports: Zambia

Immunoglobulins
Turner, K. J.; Feddema, L.; and Quinn, E. H., 1979, Internat. Arch. Allergy and Applied Immunol., v. 58 (2), 232-236
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
Urban, J. F., jr.; and Ishizaka, K., 1978, J. Immunol., v. 121 (1), 199-203
Nippostrongylus brasiliensis-infected rats, effector mechanisms of IgE-B cell-generating factor

Immunoglobulins
Urban, J. F., jr.; Ishizaka, T.; and Ishizaka, K., 1978, J. Immunol., v. 121 (1), 192-198
Nippostrongylus brasiliensis-infected rats, source of IgE-B cell-generating factor

Immunoglobulins
Van Tol, M. J. D.; Veenhoff, E.; and Seijen, H. G., 1978, J. Immunol. Methods, v. 21 (1-2), 125-131
isolation of rabbit IgM in high yield by convenient procedure using serum from Trypanosoma equiperdum-infected animals

Immunoglobulins
Vetter, J. C. M.; and Klaver-Wesseling, J. C. M., 1978, Ztschr. Parasitenk., v. 58 (1), 91-96
Ancylostoma caninum, relationship between IgG antibody binding to outer surface and metabolic state of infective larvae, indirect fluorescent antibody technique

Immunoglobulins
Waller, T.; Morein, B.; and Fabiansson, E., 1978, Lab. Animals, v. 12 (3), 145-148
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
Watanabe, N.; Kojima, S.; and Ovary, Z., 1976, J. Exper. Med., v. 143 (4), 833-845
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
Yadav, M.; Shah, F. H.; and Dhaliwal, S. S., 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (4), 501-509
elevated serum immunoglobulin levels in Orang Asli population may be related to high level of parasite infection: Malaysia

Immunoglobulins
Yeni, P.; et al., 1978, Lancet, London (8057), v. 1, 219-220 [Letter]
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_{ϵ}-receptor bearing rat lymphocytes by IgE itself in vitro

Immunological deficiency states. See Immunological unresponsiveness.

Immunological tolerance. See Immunological unresponsiveness.

Immunological unresponsiveness
Adams, D. B., 1978, Austral. J. Exper. Biol. and Med. Sc., v. 56 (1), 107-118
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
Aikat, B. K.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (2), 188-192
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
Ajao, O. G., 1978, J. Trop. Med. and Hyg., v. 81 (8), 153-155
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
Akhound-Zadeh, H., 1976, Rev. Internat. Serv. Sante Armees, v. 49 (5), 421-426
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 monomycine: Iran (had travelled to Khouzistan)

Immunological unresponsiveness
Albright, J. W.; Albright, J. F.; and Dusanic, D. G., 1978, Proc. National Acad. Sc., v. 75 (8), 3923-3927
Trypanosoma musculi, mice, mechanisms of trypanosome-mediated suppression of humoral immunity, appears that soluble substances derived from parasites act directly on B lymphocytes or essential assistant cells rather than by activating suppressor T cells or macrophages

Immunological unresponsiveness
Ali-Khan, Z., 1978, Exper. Parasitol., v. 46 (2), pp. 157-165
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
Andrade, S. G.; et al., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (3), 154-161
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 these 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 potential

Immunological unresponsiveness
Brissette, W. H.; Coleman, R. M.; and Rencricca, N. J., 1978, Proc. Soc. Exper. Biol. and Med., v. 159 (2), 317-320
Plasmodium berghei-infected mice, progressive depression in splenic T-cell population, abnormal T-cell migration

Immunological unresponsiveness
Broeckaert-van Orshoven, A.; Michielsen, P.; and Vandepitte, J., 1979, Lancet, London (8145), v. 2, 740-741 [Letter]
fatal leishmaniasis in renal-transplant patient, case report

Immunological unresponsiveness
Buxton, D.; Reid, H. W.; and Pow, I., 1979, J. Comp. Path., v. 89 (3), 375-379
Toxoplasma gondii-infected mice, diminished immune response to clostridial and louping-ill virus vaccines

Immunological unresponsiveness
Byram, J. E.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 274-285
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
Callow, L. L.; and Stewart, N. P., 1978, Nature, London (5656), v. 272, 818-819
Babesia bovis causes immunosuppression against its natural tick vector Boophilus microplus

Immunological unresponsiveness
Camus, D.; et al., 1978, Pharmacol. Immunoreg., 253-265
S[chistosoma] mansoni, mice, rats, role of immunomodulating substances from parasites in regulation of immune response

Immunological unresponsiveness
Camus, D.; et al., 1979, European J. Immunol., v. 9 (4), 341-344
Schistosoma mansoni, rats, nonspecific suppressor cell activity and specific cellular unresponsiveness

Immunological unresponsiveness
Carvalho Filho, E.; Queiroz, A. C.; and Rocha, H., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (2), 102-107
strongyloidiasis, fatal severe human infections with concommitant severe intestinal amoebiasis discovered at autopsies, possibly a result of interference with host defenses

Immunological unresponsiveness
Chensue, S. W.; and Boros, D. L., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 291-299
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
Christol, D.; et al., 1976, 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
Clayton, C. E.; Ogilvie, B. M.; and Askonas, B. A., 1979, Parasite Immunol., v. 1 (1), 39-48
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
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

Immunological unresponsiveness
Colley, D. G., 1976, J. Exper. Med., v. 143 (3), 696-700
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
Colley, D. G.; Lewis, F. A.; and Goodgame, R. W., 1978, J. Immunol., v. 120 (4), 1225-1232
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
Coulis, P. A.; Lewert, R. M.; and Fitch, F. W., 1978, J. Immunol., v. 120 (1), 58-60; Erratum (3), 1073-1076
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

Immunological unresponsiveness
Crandall, R. B.; Crandall, C. A.; and Jones, J. F., 1978, Clin. and Exper. Immunol., v. 33 (1), 30-37
Ascaris suum, mice, analysis of immunosuppression during early acute infection

Immunological unresponsiveness
Cunningham, D. S.; Craig, W. H.; and Kuhn, R. E., [1979], J. Parasitol., v. 64 (6), 1978, 1044-1049
Trypanosoma cruzi, both susceptible and resistant mice become severely hypocomplementemic during exper. Chagas disease, trypanosomes and their products can initiate complement cascade via classical pathway, passively induced immunosuppression of humoral responses occurs in absence of concomitant hypocomplementemia

Immunological unresponsiveness
Cunningham, D. S.; Kuhn, R. E.; and Rowland, E. C., 1978, Infect. and Immun., v. 22 (1), 155-160
Trypanosoma cruzi-infected mice, immunosuppression of humoral responses in two host strains differing in susceptibility, mechanism appears to be suppressor substance in serum

Immunological unresponsiveness
Doak, P. B.; et al., 1973, Quart. J. Med., v. 66, n.s. (165), v. 42, 59-71
Pneumocystis carinii pneumonia in patients who had undergone renal transplantation, clinical aspects of pulmonary complications or "transplant lung"

Immunological unresponsiveness
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 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

Immunological unresponsiveness
Doenhoff, M.; and Long, E., 1979, Parasitology, v. 78 (2), 171-183
Schistosoma mansoni, mice, mechanisms of resistance investigated by T-cell deprivation, variety of other immunosuppressive treatments, and several other in vivo methods

Immunological unresponsiveness
Dubey, J. P.; and Frenkel, J. K., 1974, Vet. Path., v. 11 (4), 350-379
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
Duncan, J. L.; Smith, W. D.; and Dargie, J. D., 1978, Vet. Parasitol., v. 4 (1), 21-27
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
Duszynski, 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
Eling, W. M. C., 1979, Exper. Parasitol., v. 47 (3), 403-409
Plasmodium berghei, mice, immunodepressive effect of antithymocyte serum on induction of immunity

Immunological unresponsiveness
Endardjo, S.; et al., 1978, J. Trop. Med. and Hyg., v. 81 (2-3), 25-31
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 retriculoendothelial cells

Immunological unresponsiveness
Freeman, R. R., 1978, Cellular Immunol., v. 41 (2), 373-379
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
Freeman, R. R.; and Parish, C. R., 1978, Clin. and Exper. Immunol., v. 32 (1), 41-45
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

Immunological unresponsiveness
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-Ascaris and depressed avidity of IgE antibody for DNP determinant

Immunological unresponsiveness
Galvao-Castro, B.; Hochmann, A.; and Lambert, P. H., 1978, Clin. and Exper. Immunol., v. 33 (1), 12-24
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

Immunological unresponsiveness
Gill, G. V.; Bell, D. R.; and Fifield, R., 1979, Clin. and Exper. Immunol., v. 37 (2), 292-294
Strongyloides stercoralis, British ex-Far East prisoners of war with longstanding infections, lack of immunoglobulin E response

Immunological unresponsiveness
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

Immunological unresponsiveness
Greene, B. M.; Otto, G. F.; and Greenough, W. B. III, 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 905-909
circulating microfilaria (probably undescribed species from wild mammal) in young girl with systemic lupus erythematosus requiring steroid therapy, case report, compromised immunity may have led to unusual infection: east-central Alabama

Immunological unresponsiveness
Greenwood, B. M., 1974, Ciba Found. Symp., n.s. (25), 137-159
Plasmodium falciparum, Trypanosoma gambiense, Nigerian patients, immunosuppression, review

Immunological unresponsiveness
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

Immunological unresponsiveness
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

Immunological unresponsiveness
Grove, D. I.; and Forbes, I. J., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (1), 23-26
Wuchereria bancrofti, human, generalized immunosuppression with impairment of humoral and cell-mediated immunity against non-filarial antigens: Philippines

Immunological unresponsiveness
Grzywinski, L., 1978, Acta Parasitol. Polon., v. 25 (21-35), 275-280
Toxoplasma gondii, marked depression of natural immunity in cyclophosphamide-treated rats

Immunological unresponsiveness
Hafizi, A.; and Mobabber, F. Z., 1978, Clin. and Exper. Immunol., v. 33 (3), 389-394
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
Hall, 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), 292-296
Hymenolepis nana, mice, immunity acquired from primary infection suppressed by rabbit antimouse thymocyte serum but not by anti-mouse lymphocyte serum

Immunological unresponsiveness
Hazlett, C. A.; and Tizard, I. R., 1978, Clin. and Exper. Immunol., v. 33 (2), 225-231
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
Hillyer, G. V.; and Cangiano, J. L., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 331-333
Schistosoma mansoni, granulomatous response to parasite eggs in patient on maintenance immunosuppression after renal transplant, case report

Immunological unresponsiveness
Hopkins, C. A.; and Stallard, H. E., 1976, Rice Univ. Studies, v. 62 (4), 145-159
Hymenolepis diminuta, mice, effect of cortisone treatment on worm survival, possible sites of action of cortisone in preventing worm rejection

Immunological unresponsiveness
Hubbard, W. J., 1978, Cellular Immunol., v. 39 (2), 388-394
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
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

Immunological unresponsiveness
Ito, A., 1978, Exper. Parasitol., v. 46 (1), 12-19
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

Immunological unresponsiveness
Jacobson, K. W.; and deShazo, R. D., 1979, J. Allergy and Clin. Immunol., v. 64 (6, pt. 1), 516-521
5-year-old girl with triad of selective IgA deficiency, nodular lymphoid hyperplasia of small bowel, and Giardia lamblia infection

Immunological unresponsiveness
Jacobson, R. L.; Zuckerman, A.; and Greenblatt, C. L., 1978, Clin. and Exper. Immunol., v. 33 (1), 25-29
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

Immunological unresponsiveness
Jacqueline, E.; Vernes, A.; and Biguet, J., 1978, Exper. 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

Immunological unresponsiveness
Jayawardena, A. N.; Janeway, C. A., jr.; and Kemp, J. D., 1979, J. Immunol., v. 123 (6), 2532-2539
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

Immunological unresponsiveness
Jayawardena, A. N.; Waksman, B. H.; and Eardley, D. D., 1978, J. Immunol., v. 121 (2), 622-628
Trypanosoma brucei, mice, activation of distinct helper and suppressor T cells, significance in relation to pathogenesis of trypanosomiasis

Immunological unresponsiveness
Katz, A. J.; and Rosen, F. S., 1977, Ciba Found. Symp., n.s. (46), 243-261
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
Kelly, J. D.; Kenny, D. F.; and Whitlock, H. V., 1977, N. Zealand Vet. J., v. 25 (1-2), 12-15
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
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

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 viviparus, effect of immunosuppressive therapy on course of development in guinea pigs

Immunological unresponsiveness
Laltoo, H.; and Kind, L. S., 1979, Infect. and Immun., v. 26 (1), 30-35
Myocoptes musculinus-infested oxazolone-sensitized mice, reduction of cellular infiltration in contact sensitivity reactions to oxazolone challenge; ability of serum from infested 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 (6), 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
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

Immunological unresponsiveness
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

Immunological unresponsiveness
Long, G. W.; and Dusanic, D. G., 1978, Exper. Parasitol., v. 44 (1), 56-65
Trypansosma 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 trypansome antigen preparation that is more reactive serodiagnostic reagent

Immunological unresponsiveness
McBride, J. S.; and Micklem, H. S., 1977, Immunology, v. 33 (2), 253-259
Plasmodium yoelii yoelii-infected mice, depressed primary response to bovine serum albumin

Immunological unresponsiveness
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

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
Mahmoud, A. A. F., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 286-290
Schistosoma mansoni, effect of mutation diabetes (marked immunosuppression) on host-parasite relationship in mice, decreased granulomatous response

Immunological unresponsiveness
Mandel, M. A.; et al., 1974, Surg. Forum, v. 25, 300-302
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
Manning, D. D.; Manning, J. K.; and Reed, N. D., 1976, J. Exper. Med., v. 144 (1), 288-292
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

Immunological unresponsiveness
Mansfield, J. M., 1978, Cellular Immunol., v. 39 (1), 204-210
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 rhodesiense, 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 castellanii, 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
Marshall-Clarke, S.; and Playfair, J. H. L., 1979, Immunol. Rev., v. 43, 109-141
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), 603-633
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
Matsuev, V. I., 1974, Vet. Nauka--Proizvod., Trudy, Minsk, v. 12, 89-90
ascariasis, chickens, lowered degree of immunity to Newcastle disease after vaccination against this disease

Immunological unresponsiveness
Matthews, D.; Brunsdon, R. V.; and Vlassoff, A., 1979, Vet. Parasitol., v. 5 (1), 65-72
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
Mayor Withey, K. S.; et al., 1978, Clin. and Exper. Immunol., v. 34 (3), 359-363
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
Meltzer, R. S.; et al., 1979, Am. J. Med. Sc., v. 277 (1), 91-98
Strongyloides stercoralis, woman, development of hyperinfection syndrome while on high-dose corticosteroids and following splenectomy, central nervous system involvement, antemortem diagnosis, thiabendazole, 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
Menezes, H., 1971, Rev. Soc. Brasil. Med. Trop., v. 5 (4), 212-233
Trypanosoma cruzi, demonstration of avirulence of PF strain in mice vaccinated and treated with immunosuppressive drugs

Immunological unresponsiveness
Menezes, H., 1972, Rev. Soc. Brasil. Med. Trop., v. 6 (2), 79-84
Trypanosoma cruzi, immunosuppression by immunotolerance by inoculating avirulent PF strain in very high doses, mice

Immunological unresponsiveness
Menezes, H., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (5), 253-265
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
Meyers, A. M.; et al., 1976, South African Med. J., v. 50 (33), 1301-1302
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 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

Immunological unresponsiveness
Miller, K. L.; Good, A. H.; and Mishell, R. I., 1978, Infect. and Immun., v. 22 (2), 365-370
Taenia crassiceps, 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
Mitchell, G. F., 1979, Advances Immunol., v. 28, 451-511
immunological and 'paraimmunological' responses to infection with metazoan and protozoan parasites in mouse models, extensive review

Immunological unresponsiveness
Mocelin, A. J.; et al., 1977, Transplantation, v. 23 (2), 163 [Letter]
Trypanosoma cruzi in 29-year-old woman recipient of kidney transplant, negative blood smears after lampit, kidney function preserved: Brazil

Immunological unresponsiveness
Moqbel, R.; and Denham, D. A., 1978, Parasitology, v. 76 (3), 289-298
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
Mota-Santos, T. A.; et al., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (4), 246-250
Schistosoma mansoni, mice with heavy infections showed immunodepression that was not observed in mice with light infections

Immunological unresponsiveness
Moulton, J. E.; and Coleman, J. L., 1979, Am. J. Vet. Research, v. 40 (8), 1131-1133
Trypanosoma brucei in Peromyscus maniculatus, chronic infection, soluble immunosuppressor substance in spleen, in vivo (mice) and in vitro studies

Immunological unresponsiveness
Naik, S. R.; et al., 1979, Trop. and Geogr. Med., v. 31 (4), 493-498
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
Naik, S. R.; et al., 1979, Ann. Trop. Med. and Parasitol., v. 73 (3), 291-292
Giardia lamblia, humans, investigation of humoral and cellular immunity shows no impairment of immune functions

Immunological unresponsiveness
Nasseri, 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
Neilson, J. T. M., 1978, Acta Trop., v. 35 (1), 57-61
Dipetalonema viteae-infected hamsters with amicrofilaremic infections, immunosuppressive drugs caused reappearance of microfilariae

Immunological unresponsiveness
Nielsen, K.; et al., 1978, Experientia, 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
Olson, C. E.; and Schiller, E. L., 1978, Am. J. Trop. Med. and Hyg., v. 27 (3), 521-526
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
Olson, C. E.; and Schiller, E. L., 1978, Am. J. Trop. Med. and Hyg., v. 27 (3), 527-531
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
Oomen, J. M. V.; Meuwissen, J. H. E. T.; and Gemert, W., 1979, Trop. and Geogr. Med., v. 31 (4), 587-606
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
Orjih, 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., 1979, J. Immunol., v. 123 (4), 1639-1644
Schistosoma mansoni, human, adherent suppressor cells that inhibit lymphocyte proliferative responses to parasite antigens

Immunological unresponsiveness
Ottesen, E. A.; et al., 1978, Clin. and Exper. Immunol., v. 33 (1), 38-47
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
Pasternak, J.; Amato Neto, V.; and Levi, G. C., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (4), 297-301
Toxoplasma gondii, increased risk of toxoplasmosis in immunosuppressed patients with malignant lympho-reticulo-endothelial diseases

Immunological unresponsiveness
Pautrizel, R.; et al., 1978, Compt. Rend. Acad. Sc., Paris, v. 286, s. D, Sc. Nat. (20), 1487-1492
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), 723-727
T[rypanosoma] 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, 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
Pelley, R. P.; and Warren, K. S., 1978, J. Invest. Dermat., v. 71 (1), 49-55
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), 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

Immunological unresponsiveness
Perez, H.; Malave, I.; and Arredondo, B., 1979, Clin. and Exper. 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 (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

Immunological unresponsiveness
Preston, P. M.; Behbehani, K.; and Dumonde, D. C., 1978, J. Clin. and Lab. Immunol., v. 1 (3), 207-219
Leishmania tropica major, experimental cutaneous leishmaniasis, anergy and allergy in cellular immune response during non-healing infection in different strains of mice

Immunological unresponsiveness
Prost, A.; Nebout, M.; and Rougemont, A., 1979, Brit. Med. J. (6163), v. 1, 589-590
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 to both T-dependent and T-independent antigens, depression observed is not due to alteration in macrophage function

Immunological unresponsiveness
Ramos, C.; Schaedtler-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 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 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 efferent 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 louping-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
Reid, H. W.; Holmes, P. H.; and Skinner, H. H., 1979, J. Comp. Path., v. 89 (4), 581-585
Trypanosoma brucei-induced immunosuppression, mice, influence on immunization against louping-ill virus and lymphocytic choriomeningitis virus

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
Roelants, G. E.; et al., 1979, Clin. and Exper. Immunol., v. 37 (3), 457-469
Trypanosoma congolense-infected mice, numbers of parasites in peripheral blood, changes in spleen cell populations, immune depression, suppressor cell activity, changes after berenil 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
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

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
Rurangirwa, F. R.; et al., 1978, Research Vet. Sc., v. 25 (3), 395-397
Trypanosoma congolense, T. vivax, cattle, immunosuppressive effect on secondary humoral immune response to Mycoplasma m. 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
Ryning, F. W.; et al., 1979, Ann. Int. Med., v. 90 (1), 47-49
Toxoplasma gondii, human, heart transplants, strong implication that donors' hearts were most likely source of infection, case reports

Immunological unresponsiveness
dos Santos, R. R., 1973, Rev. Patol. Trop., v. 2 (4), 433-463
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 inuei-infected Macaca mulatta had enhanced susceptibility to hepatitis B virus

Immunological unresponsiveness
Schalm, O. W., 1978, Feline Pract., v. 8 (4), 18, 20-22
Toxoplasma gondii in bone marrow of cat with terminal erythroleukemia, assumed that immune defenses deteriorated

Immunological unresponsiveness
Schmunis, G. A.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (5), 323-331
Trypanosoma cruzi-infected mice inoculated with sheep red blood cells, alterations in immune response and their possible mechanisms

Immunological unresponsiveness
Schumaker, J. D.; et al., 1978, Ann. Int. Med., v. 89 (5, pt. 1), 644-645
Strongyloides stercoralis, hyperinfected anephric patient on hemodialysis, successful use of thiabendazole, pharmacokinetic information

Immunological unresponsiveness
Sharma, M. K.; Anaraki, F.; and Ala, F., 1978, Clin. and Exper. Immunol., v. 32 (3), 477-483
Leishmania tropica, in vitro suppression of lymphocyte blastogenic response to mitogen and antigen

Immunological unresponsiveness
Sharma, S. K.; Banerjee, D. P.; and Gautam, O. P., 1978, Indian J. Animal Health, v. 17 (2), 105-110
Anaplasma marginale in Bubalus bubalis (exper.), clinical course, haematological changes, effect of immunosuppressants

Immunological unresponsiveness
Shien, Y. S., 1979, J. Chinese Soc. Vet. Sc., v. 5 (1), 19-22
Trypanosoma evansi, goats (exper.), immunosuppression of response to Brucella abortus vaccinations, reversal after naganol treatment

Immunological unresponsiveness
Siebert, A. E., jr.; Good, A. H.; and Simmons, J. E., 1978, Internat. J. Parasitol., v. 8 (1), 39-43
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 berghei, 17-X and NYU-2 strains, mice, immunosuppression using triamcinolone acetonide

Immunological unresponsiveness
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

Immunological unresponsiveness
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)

Immunological unresponsiveness
Snyder, S. P.; England, J. J.; and McChesney, A. E., 1978, Vet. Path., v. 15 (1), 12-17
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
Stavale, J. N.; De Bortoli, N. A.; and Guidugli Neto, J., 1977, Rev. Paul. Med., v. 90 (3-4), 75-77
Toxoplasma gondii, child receiving immunosuppressive drugs for rheumatoid arthritis, recurrent infection with toxoplasmosis resulting in fatal encephalitis: Sao Paulo, Brazil

Immunological unresponsiveness
Stevens, D. P.; and Frank, D. M., 1978, Tr. Ass. Am. Physicians, v. 91, 268-272
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
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

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 infections thought to be related to development of malarial immunity and immunodepression

Immunological unresponsiveness
Stuiver, P. C., 1972, Tijdschr. Gastro-enterol., v. 15 (4), 238-247
tropical splenomegaly in humans thought to be lymphoproliferative disorder secondary to abnormal immunological reaction to malaria infection, prolonged antimalarial therapy treatment of choice

Immunological unresponsiveness
Stuiver, P. C.; and Goud, T. J. L. M., 1978, Brit. Med. J. (6134), v. 2, 394-395
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
Tanabe, K.; Takada, S.; and Suzuki, M., 1978, J. Parasitol., v. 64 (2), 367-368
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

Immunological unresponsiveness
Tanner, C. E.; Lim, H. C.; and Faubert, G., 1978, Exper. Parasitol., v. 45 (1), 116-127
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
Taylor, D. W.; and Siddiqui, W. A., 1978, Infect. and Immun., v. 21 (1), 147-150
Plasmodium falciparum, suppression of lymphocyte transformation by plasma from acutely infected Aotus trivirgatus griseimembra

Immunological unresponsiveness
Teixeira, A. R. L.; et al., 1978, J. Clin. Invest., v. 62 (6), 1132-1141
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
Terry, R. J., 1978, Colloque Immun. Parasit. Dis. (Thiverval-Grignon, Sept. 5-9, 1977), 161-178
immunodepression in parasite infections, colloquium presentation

Immunological unresponsiveness
Thong, Y. H.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (4), 388-390
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
Thong, Y. H.; and Ferrante, A., 1978, Am. J. Trop. Med. and Hyg., v. 27 (2, pt. 1), 354-356
quinine, inhibition of mitogen-induced human lymphocyte proliferative responses, this immunosuppressive property may be undesirable side effect in treatment of malaria

Immunological unresponsiveness
Thong, Y. H.; Ferrante, A.; and Rowan-Kelly, B., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (5), 537-539
primaquine possesses potent immunosuppressive activity at concentrations within therapeutic range for vivax malaria

Immunological unresponsiveness
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

Immunological unresponsiveness
Verma, B. B.; and Sinha, B. P., 1978, Indian Vet. J., v. 55 (12), 995-998
Trypanosoma evansi, albino rats (exper.), effect of prednisolone 7 days before infection until death on course of disease

Immunological unresponsiveness
Vinayak, V. K.; Chitkara, N. L.; and Chhuttani, P. N., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 266-268
Entamoeba histolytica-infected rats pretreated with corticosteroids, irradiation or both, exacerbation of amoebic pathology, corticosteroid therapy possibly aggravates otherwise sub-clinical infection

Immunological unresponsiveness
Walzer, P. D.; Powell, R. D., 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
Warren, K. S., 1974, Ciba Found. Symp., n.s. (25), 243-261
schistosomiasis, modulation of immunopathology, review

Immunological unresponsiveness
Watanabe, N.; Kojima, S.; and Ovary, Z., 1976, J. Exper. Med., v. 143 (4), 833-845
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

Immunological unresponsiveness
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

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
Wedderburn, N., 1974, Ciba Found. Symp., n.s. (25), 123-135, 147-159
Plasmodium berghei subspp.-infected mice, immunodepression

Immunological unresponsiveness
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

Immunological unresponsiveness
Weisburger, W. R.; et al., 1979, Am. J. Clin. Path., v. 72 (3), 473-478
Cryptosporidium [sp.], human, case report, immunosuppressed renal-transplant recipient with IgA deficiency: Johns Hopkins Hospital

Immunological unresponsiveness
Weiss, N., 1978, Exper. 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 LAKZ hamsters

Immunological unresponsiveness
Wellhausen, S. R.; and Mansfield, J. M., 1979, J. Immunol., v. 122 (3), 818-824
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. D.; et al., 1979, Research Vet. Sc., v. 26 (1), 102-107
Trypanosoma spp., cattle, mice, suppressed 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), 257-263
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

Immunological unresponsiveness
Wilkie, 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
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

Immunological unresponsiveness
Williamson, W. A.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (6), 676-677
Plasmodium falciparum, children, hypocomplementaemia may be severe during acute infections but is only transient

Immunological unresponsiveness
Williamson, W. A.; and Greenwood, B. M., 1978, Lancet, London (8078), v. 1, 1328-1329
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
Wolf, R. E.; et al., 1978, Ann. Int. Med., v. 88 (6), 769-773
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)

Immunological unresponsiveness
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

Immunological unresponsiveness
Yeh, H. Y.; and Shien, Y. S., 1979, J. Chinese Soc. Vet. Sc., v. 5 (1), 33-37
Trypanosoma evansi, dogs (exper.), changes in peripheral blood T- and B-lymphocytes

Immunopathology
Allison, A. C.; and Clark, I. A., 1978, Colloque Immun. Parasit. Dis. (Thiverval-Grignon, Sept. 5-9, 1977), 147-160
macrophage activation and its relevance to immunology and immunopathology of parasitic diseases, colloquium presentation

Immunopathology
Allison, A. C.; and Houba, V., 1976, Immunol. Parasit. Infect., 436-447
immunopathology due to complexes of antigen and antibody (Type III reactions) in parasitic infections

Immunopathology
Andrade, Z. A.; Andrade, S. G.; and Susin, M., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (3), 171-177
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
Assoku, R. K. G.; Hazlett, C. A.; and Tizard, I., 1979, Internat. Arch. Allergy and Applied Immunol., v. 59 (3), 298-307
Trypanosoma congolense, mice, significant depression of humoral immunity, simultaneous increase in background IgM plaque-forming cell levels, mitogenicity of trypanosome-derived saturated fatty acids

Immunopathology
Barros, M. A. M.T.; et al., 1979, Clin. and Exper. Immunol., v. 38 (2), 376-380
Trypanosoma cruzi, patients with chronic myocardiopathy vs. indeterminate phase of Chagas' disease, leucocyte migration inhibition test using parasite vs. heart antigens

Immunopathology
Barsoum, R. S.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (4), 367-374
schistosomiasis, humans with nephrotic syndrome, renal biopsy showed amyloid deposits, speculation that deposits are associated with circulating immune complexes

Immunopathology
Basson, W.; Page, M. L.; and Myburgh, D. P., 1977, South African Med. J., v. 51 (14), 453-457
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), 183-191
Schistosoma haematobium, prevalence and type of glomerular lesions in human infections using light microscopy, ultrastructure and immunofluorescence techniques: Mali, Senegal, and Ivory Coast

Immunopathology
Behmer, O. A., 1973, Rev. Hosp. Clin., S. Paulo, v. 28 (4), 212-221
S[chistosoma] mansoni, human, determination of elastase in blood platelets and the role of elastase in granuloma formation in lungs

Immunopathology
Bhamarapravati, N.; Thammavit [sic], W.; and Vajrasthira, S., 1978, Am. J. Trop. Med. and Hyg., v. 27 (4), 787-794
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 attempt 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 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
Borojevic, R.; Santoro, F.; and Grimaud, J. A., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (2), 109-112
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)

Immunopathology
de Brito, T.; et al., 1969, Rev. Inst. Med. Trop. S. Paulo, v. 11 (1), 62-64
human hepato-splenic schistosomiasis, ultrastructural study of associated kidney pathology, kidney biopsies showed electron dense deposits thought to be gamma globulin

Immunopathology
Byram, J. E.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 274-285
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

Immunopathology
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)

Immunopathology
de Castro, P. C. J.; and Luz, E., 1978, Arq. Biol. e Tecn., v. 21 (1), 23-56
Trypanosoma cruzi, patients with chronic Chagasic cardiopathy, presence of anti-myocardium antibody in sera

Immunopathology
Chensue, S. W.; and Boros, D. L., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 291-299
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
Chugh, K. S.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (3), 630-631
filariasis, man, associated mesangio-proliferative glomerulonephritis possibly an immune-complex reaction, case report

Immunopathology
Colley, D. G., 1976, J. Exper. Med., v. 143 (3), 696-700
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
Convit, J.; and Pinardi, M. E., 1974, Ciba Found. Symp., n.s. (20), 159-169
cutaneous leishmaniasis, clinical and immunopathological spectrum in South America, review

Immunopathology
Coombs, R. R. A., 1976, Immunol. Parasit. Infect., 431-435
immunopathology due to Type II reactions, review

Immunopathology
Corbett, R.; et al., 1975, Transplant. Proc., v. 7 (4), 557-559
Demodex canis, dogs, defect in cell-mediated immunity

Immunopathology
Crowell, W. A.; and Votava, C. L., 1975, Vet. Path., v. 12 (3), 178-185
Dipetalonema viteae-infected Mesocricetus auratus, amyloidosis, microfilariae probably served as antigenic stimulus in pathogenesis

Immunopathology
Danno, K.; Fukuyama, K.; and Epstein, W. L., 1979, Lab. Invest., v. 40 (3), 358-363
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
Dineen, J., 1978, Immunol. Series, v. 7, 211-257
helminthiasis, role of homocytotropic antibodies in immunity and pathology with special reference to induction and potentiation of IgE production, review

Immunopathology
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 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

Immunopathology
Drazner, F. H., 1978, Canine Pract., Santa Barbara, v. 5 (5), 66-68
Dirofilaria immitis, dog, secondary renal amyloidosis and glomerulonephritis, immune-complex mechanism

Immunopathology
Endardjo, S.; et al., 1978, J. Trop. Med. and Hyg., v. 81 (2-3), 25-31
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 retriculo-endothelial 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
Faubert, G. M.; Meerovitch, E.; and McLaughlin, J., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 892-896
Entamoeba histolytica, liver auto-antibodies in sera from both naturally infected humans and immunized rabbits

Immunopathology
Faulk, W. P.; et al., 1978, Protides Biol. Fluids, v. 26, 427-430
several conditions of abnormal pregnancy including 3 patients with P[lasmodium] 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 lamblia 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
Galvao-Castro, B.; Hochmann, A.; and Lambert, P. H., 1978, Clin. and Exper. Immunol., v. 33 (1), 12-24
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
Gibson, D. W.; and Connor, D. H., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (2), 137-154
Onchocerca volvulus, clinicopathologic study of 34 patients with lymphadenitis, possible role of immune complexes: Africa; Yemen

Immunopathology
Gobzem, M. P.; and Slepnev, N. K., 1975, Vet. Nauka--Proizvod., Trudy, Minsk, v. 13, 117-120
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 hepatosplenic vs. intestinal disease, humoral immune responses, no evidence of alterations which might contribute to pathogenesis of hepatosplenic disease

Immunopathology
Goodwin, L. G., 1974, Ciba Found. Symp., n.s. (20), 107-124
African trypanosomiasis, mechanisms of pathogenesis, review

Immunopathology
Greenblatt, C. L.; et al., 1978, Israel J. Med. Sc., v. 14 (6), 712-717
summing-up of symposium on immunology and immunopathology of malaria

Immunopathology
Greenwood, B. M.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (4), 378-385
Plasmodium falciparum, children, no evidence that any of several immunological factors investigated plays important role in pathogenesis of anemia

Immunopathology
Greenwood, B. M.; and Oduloju, A. J., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (4), 408-411
Trypanosoma gambiense extract, mitogenic activity, possible role of mitogenic factor in pathogenesis of hypergammaglobulinemia of African trypanosomiasis

Immunopathology
Greenwood, B. M.; Oduloju, A. J.; and Platts-Mills, T. A. E., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (2), 178-182
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

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(Entamoeba histolytica; E. coli; Iodamoeba buetschlii; Giardia lamblia; Ascaris lumbricoides; Trichuris trichiura; hookworm; Enterobius vermicularis; Strongyloides stercoralis; Trichostrongylus sp.; Physaloptera sp.; Diphyllobothrium sp.; Schistosoma japonicum; heterophyid; echinostome; dicrocoelid-like trematodes; Endolimax nana; Chilomastix mesnili; Plasmodium falciparum; P. vivax; P. malariae; Brugia malayi)

Indonesia, Celebes
Cross, J. H.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (3), 390-399
survey, human intestinal and blood parasites: Minahasa Peninsula, North Sulawesi, Indonesia
(Entamoeba histolytica; E. hartmanni; E. coli; Endolimax nana; Iodamoeba buetschlii; Giardia lamblia; Ascaris lumbricoides; Trichuris trichiura; hookworm; Plasmodium vivax; P. falciparum; Enterobius vermicularis; Taenia sp.; Hymenolepis nana; H. diminuta; Echinostoma sp.; dicrocoeliid-like eggs and Chilomastix mesnili)

Indonesia, Celebes
Joseph, S. W.; et al., 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (2), 264-271
human parasitoses, prevalence by village, age, and sex: Malili area, South Sulawesi (Celebes) Province, Indonesia
(Entamoeba histolytica; E. hartmanni; E. coli; Endolimax nana; Iodamoeba buetschlii; Giardia lamblia; Chilomastix mesnili; Enterobius vermicularis; Trichuris trichiura; Ascaris lumbricoides; hookworm; Plasmodium falciparum; P. vivax; Brugia malayi)

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human intestinal and blood parasite survey in 4 villages of Banggai Kabupaten, Central Sulawesi, Indonesia
(Entamoeba histolytica; E. coli; Iodamoeba buetschlii; Giardia lamblia; Chilomastix mesnili; Ascaris lumbricoides; Trichuris trichiura; hookworm; Enterobius vermicularis; Plasmodium vivax; P. falciparum; malaria; Brugia malayi)

Indonesia, New Guinea. [See also Papua New Guinea]

Indonesia, New Guinea
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medical examination of pygmies in isolated region of central Highland reveals among other findings heavy infestation with intestinal worms: Irian-Jaya, Indonesisch Neu Guinea
(Ascaris; Ankyl[ostoma] duod[enale]; Trich[uris] trich[iura])

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 speeds to obtain maximum yield 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, host density, role of chance, miracidial mortality and age-dependent infectivity, heterogeneity between snails with respect to susceptibility and 'attractiveness'

Infectivity
de Arruda-Mayr, M.; Cochrane, A. H.; and Nussenzweig, R. S., 1979, Am. J. Trop. Med. and Hyg., v. 28 (4), 627-633
Plasmodium knowlesi infection in Macaca mulatta terminated by curative therapy and followed by P. cynomolgi infection greatly increases gametocyte infectivity of latter species

Infectivity
Augustine, P. C.; Vetterling, J. M.; and Doran, D. J., 1977, Proc. Helminth. Soc. Washington, v. 44 (2), 147-149
Eimeria tenella, comparison of amprolium- and buquinolate-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
Barretto, M. P.; Ribeiro, R. D.; and Belda Neto, F. M., 1978, Rev. Brasil. Biol., v. 38 (4), 771-773
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
Bunnag, T.; de Freitas, J. R.; and Scott, H. G., 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (1), 41-47
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
Chiari, E., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (2), 61-67
Trypanosoma cruzi, mice, culture forms (Y and MR strains) previously kept for 1 1/2 to 18 years without animal passage, infectivity compared

Infectivity
Croft, S. L.; and Molyneux, D. H., 1979, Ann. Trop. Med. and Parasitol., v. 73 (3), 213-226
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
Daggett, P. M.; Decker, J. E.; and Janovy, J., 1978, Comp. Biochem. and Physiol., v. 59A (4), 363-366
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
Dalgliesh, R. J.; and Stewart, N. P., 1978, Austral. Vet. J., v. 54 (9), 453-454 [Letter]
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
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Babesia bovis, morphology, development, and infectivity for cattle of parasites in unfed Boophilus microplus larvae after incubation at various temperatures

Infectivity
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

Infectivity
Eveland, L. K.; and Morse, S. I., 1978, Exper. Parasitol., v. 45 (1), 19-25
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
Funayama, G. K.; and Prado, J. C., jr., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (2), 75-81
Trypanosoma cruzi, strain isolated from Triatoma 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
Grant, D.; and Woo, P. T. K., 1978, Canad. J. Zool., v. 56 (6), 1360-1366
Giardia spp. in small mammals, comparative studies, results suggest host specificity of some spp., infectivity of stored cysts varies with temperature, lack of prophylactic effect in rats treated with metronidazole or quinacrine hydrochloride

Infectivity
Gray, M. A.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (4), 406-408
Trypanosoma congolense, maintenance of infectivity in vitro with explants of infected skin incubated at 37°C

Infectivity
Hellesnes, I.; and Mohn, S. F., 1977, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 238 (1), 143-148
Toxoplasma gondii cysts, infectivity for white mice after various periods of freezing, role of low temperatures as limiting factor in epidemiology of toxoplasmosis

Infectivity
Holanda, J. C.; et al., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (6), 410-414
Schistosoma mansoni, cercariae, schistosomules, and intermediate forms obtained in vitro, infectivity for mice, worm recovery

Infectivity
Holanda, J. C.; and Pellegrino, J., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (3), 127-131
Schistosoma mansoni, schistosomulae recovered from skin or lungs of mice, infectivity to mice when injected by various routes

Infectivity
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Schistosoma mansoni, infectivity of cercariae and in vitro-obtained schistosomula injected intravenously or subcutaneously into mice

Infectivity
Holbrook, T. W.; and Parker, B. 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

Infectivity
Ito, S.; et al., 1977, Nippon Zyuisi-Kai Zassi (J. Japan Vet. Med. Ass.), v. 30 (6), 326-329
Dictyocaulus viviparus, calves, winter survival of infective larvae, decreased infectivity

Infectivity
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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
Joshua, R. A.; Herbert, W. J.; and White, R. G., 1978, Lancet, London (8066), v. 1, 724-725 [Letter]
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. Parasitol., 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
Kaya, H. K., 1977, J. Invert. Path., v. 30 (2), 192-198
Vairimorpha necatrix (potential biological control agent), survival (infectivity) of spores exposed to sunlight, ultraviolet radiation, and high temperature, laboratory and field tests

Infectivity
Kaya, H. K., 1979, Proc. Hawaiian Entom. Soc. (1976), v. 13 (1), 91-94
Pleistophora sp., Vairimorpha necatrix, retention of infectivity after passage through gut of Zelus exsanguis

Infectivity
Kerboeuf, D., 1978, Ann. Recherches Vet., v. 9 (1), 153-159
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
Kerboeuf, D., 1978, Ann. Recherches Vet., v. 9 (1), 161-168
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
Khan, R. A., 1977, Canad. J. Zool., v. 55 (10), 1698-1700
Trypanosoma murmanensis, infectivity of different morphotypes in fish hosts to the leech vector (Johanssonia sp.)

Infectivity
Kolevatova, A. I., 1974, Parazitologiia, Leningrad, v. 8 (1), 49-52
Metastrongylus elongatus, larvae in Eisenia foetida under laboratory conditions retain their ability to infect pigs and guinea pigs for up to 7 years

Infectivity
Kumar, V.; Geerts, S.; and Mortelmans, J., 1977, Ann. Soc. Belge Med. Trop., v. 57 (3), 181-184
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
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
Srivastava, P. S.; and Sharma, N. N., 1978, Vet. Parasitol., v. 4 (1), 83-89
Theileria annulata-infected nymphs, adults, and ground tissues of Hyalomma anatolicum, infectivity for calves, all capable of inducing clinical theileriasis

Infectivity
Stewart, N. P., 1978, J. Protozool., v. 25 (4), 497-501
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 (3), 460-461
Ancylostoma caninum, longevity and infectivity of tissue phase larvae in guinea pigs and swine, both shown to be potential paratenic hosts

Infectivity
Tarczynski, S.; and Szepelski, L., 1970, Acta Parasitol. Polon., v. 18 (42-50), 513-519
Fasciola hepatica 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

Infectivity
Van Meirvenne, N.; Janssens, P. G.; and Magnus, E., 1973, Ann. Soc. Belge Med. Trop., v. 53 (1), 49-56
Trypanosoma brucei, blood incubation infectivity test, influence of several factors on process of lysis and neutralization of T. brucei in human serum

Infectivity
Van Meirvenne, N.; Magnus, E.; and Janssens, P. G., 1976, Ann. Soc. Belge Med. Trop., v. 56 (1), 55-63
Trypanosoma brucei rhodesiense, serum-incubation-infectivity-tests on clone populations of distinct antigenic types

Infectivity
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Plasmodium berghei, infectivity and immunogenicity, symposium presentation

Infectivity
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Trypanosoma cruzi-like-strain, morphology, frequency and density of parasites in Sanguinus oedipus, infectivity to monkeys and rodents, no clinical or histopathological findings, parasitaemia, development in cell cultures, cyclical development in Rhodnius prolixus and Triatoma infestans

Infectivity
Wery, M.; et al., 1977, Ann. Soc. Belge Med. Trop., v. 57 (4-5), 425-439
Trypanosoma brucei gambiense strains from Zaire, comparative infectivity in various laboratory animals

Infectivity
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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
Zeledon, R.; de Trejos, M.; and Chinchilla, M., 1977, Protozoology, v. 3, 95-101
Trypanosoma cruzi trypomastigotes, mice, infectivity of blood, culture, and insect forms by 6 routes

Inhibited development. <u>See</u> Development.

Integument. [<u>See also</u> Cuticle; Parasite surfaces; Skin; Tegument]

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
Ciampor, F.; and Nosek, J., 1978, Ang. Parasitol., v. 19 (3), 154-158
Dermacentor marginatus, nymphs, ultrastructure of integumentary glands and mechanoreceptory 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
Graeber, K.; and Storch, V., 1979, Zool. Anz., Jena, v. 202 (5-6), 331-347
cestodes, trematodes, integument, scanning and transmission electron microscopy, morphometry

Integument
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Schistosoma bovis, integument surfaces, scanning electron microscopy

Integument
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Dermacentor variabilis, general integument as the site of water vapor uptake

Integument
Nahif, A. A., 1978, Ang. Parasitol., v. 19 (3), 162-167
Przhevalskiana silenus, ontogenesis of integument during different larval stages, histomorphology

Integument
Saito, T., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (3), 132-143
Clonorchis sinensis, cercarial integument, ultrastructure

Integument
Silk, M. H.; and Spence, I. M., 1969, South African J. Med. Sc., v. 34 (4), 93-104
Schistosoma mansoni, adults, nerve tissue and processes that form sensory bulbs on surface of integument, ultrastructure

Integument
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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
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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
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Intelligence
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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
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Toxoplasma gondii, laboratory mice and rats, latent infection, diminished learning ability

Interferon. [See also Immunity]

Interferon
Ahronheim, G. A., 1979, Proc. Soc. Exper. Biol. and Med., v. 161 (4), 522-526
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 vinckei petteri, mice, protection conferred by pretreatment with extract of Coxiella burnetii, possible involvement of interferon or tumor necrosis factor

Interferon
Glaz, E. T., 1979, Ann. Trop. Med. and Parasitol., v. 73 (1), 83-84
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
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intestinal parasites, human, drug therapy, review

Intestine, Host
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Intestine, Host
Almeida, H. O.; et al., 1977, Virchows Arch. A, Path. Anat. and Histol., v. 376 (4), 353-360
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
Alvarez-Cordero, R., 1973, Rev. Brasil. Med., v. 30 (11), 688-691
Entamoeba histolytica, human infections in presence of intestinal complications as appendicitis, colitis, amebomas, clinical management

Intestine, Host
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Schistosoma mansoni, finding on 19 autopsies 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
Bhandari, B.; and Sankhla, K., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 345-346 [Letter]
Entamoeba histolytica-associated rectal prolapse in children, di-iodoquine and metronidazole

Intestine, Host
Blenkinsopp, W. K.; Gibson, J. A.; and Haffenden, G. P., 1978, Lancet, London (8071), v. 1, 994 [Letter]
Giardia lamblia, case report of infection in elderly woman resulting in severe atrophy of jejunal mucosa with dense plasma-cell infiltrate, complete recovery after therapy with metronidazole: England (had traveled to Far East)

Intestine, Host
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strongyle-infected ponies (nat. and exper.), disturbances of digestive motility, effect of mebendazole treatment

Intestine, Host
Castro, G. A.; Hessel, J. J.; and Whalen, G., 1979, Parasite Immunol., v. 1 (4), 259-266
Trichinella spiralis, rats, intestinal fluid movement in response to primary or secondary infection, relationship to prevention of worm establishment

Intestine, Host
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Schistosoma mansoni, human, jejunum, pathology, peroral biopsy

Intestine, Host
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

Intestine, Host
da Cunha, A. S.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (6), 378-386
Entamoeba histolytica, patients from 3 geographic areas, endoscopic study of intestinal infections, histopathology, patients with symptoms vs. those without symptoms: Brazil

Intestine, Host
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Ascaris suum causing intestinal obstruction in 9-year-old girl, clinical case report: Salisbury, Rhodesia

Intestine, Host
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human amoebiasis, acute fulminating colitis, amebomas, review of cases with emphasis on diagnosis, therapy, complications, surgical procedures

Intestine, Host
Duszynski, D. W.; et al., 1978, J. Protozool., v. 25 (3, 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
Duszynski, D. W.; Roy, S. A.; and Castro, G. A., 1978, J. Protozool., v. 25 (2), 226-231
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
Fernando, M. A.; and McCraw, B. M., 1977, Ztschr. Parasitenk., v. 52 (3), 213-218
Eimeria acervulina-infected chickens, reduced time of generation cycle of duodenal crypt cells as measured by [^{3}H]thymidine, increased population of dividing cells within each duodenal crypt; changes seem to result from induced changes in functional activity

Intestine, Host
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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 (particularly 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 Arvanitakis, 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
Huggins, D., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (6), 307-313
Schistosoma mansoni, man, stenosis of small bowel presenting as carcinoma, microscopic findings showed schistosomal infection, clinical case report: Catende, Pernambuco, Brazil

Intestine, Host
Khovanskikh, A. E.; Krylov, M. V.; and Ludinova, I. C., 1974, Parazitologiia, 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
Lalama B., M., 1976, Rev. Ecuator. Med. y Cien. Biol., v. 13 (1), 47-58
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
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intestinal amoebiasis, human, cicatricial stricture and other surgical pathology, surgical management, need for correct preoperative diagnosis and antiamoebic therapy stressed

Intestine, Host
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

Intestine, Host
Musaev, M. A.; and Surkova, A. M., 1974, Parazitologiia, 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
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

Intestine, Host
Okumura, M.; et al., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (5), 292-300
Ascaris lumbricoides, children, acute intestinal obstruction, 455 cases analyzed

Intestine, Host
Olszewska, G. M., 1975, Acta Parasitol. Polon., 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
Prokopic, J., 1975, Acta Parasitol. Polon., v. 23 (12-25), 271-275
Hymenolepis erinacei, distribution in gut of Erinaceus europaeus (exper.)

Intestine, Host
Przyjalkowski, Z.; and Malinowska, A., 1977, Acta Parasitol. Polon., v. 25 (1-10), 69-77
Trichinella spiralis-infected germfree vs. conventional mice, some metabolites and enzymes of carbohydrate metabolism in liver and small intestine

Intestine, Host
de Rezende, J. M.; and Moreira, H., 1975, Rev. Gastroenterol. Mexico, v. 40 (1), 12-17
Chagas disease, humans, megacolon resulting from parasitic infection, diagnosis, clinical management, surgical treatment with the Duhamel-Haddad operation being the preferred surgical method: Goiania, State of Goias

Intestine, Host
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

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
Scofield, A. M., 1978, Comp. Biochem. and Physiol., v. 59B (4), 295-298
Nematospiroides 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
Sharma, B. C.; and Kanwar, D. L., 1975, Rajasthan Med. J., v. 14 (1), 35-37
Ascaris lumbricoides, 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
Trichostrongylus colubriformis-infected calves (exper.), histopathologic and enzyme histochemical changes in small intestine

Intestine, Host
Shishova-Kasatochkina, O. A.; and Dubovskaia, A. Ia., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 21, 140-151
comparison of mechanisms of formation of hydrolytic enzymes in helminth and mammalian intestines, review

Intestine, Host
Symons, L. E. A., 1978, J. Parasitol., v. 64 (5), 958-959
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 metabolic or other substances passing down intestinal tract and acting upon zones of proliferation, no change in rate of mitosis in esophagus or 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 (mast cells, leukocytes, polymorphonuclear eosinophils)

Intestine, Host
de la Vega, J. M., 1973, Rev. Cir. Hosp. Juarez, Mexico (187-188), v. 44, 1972-1973, 22-30
human intestinal amoebiasis, clinical manifestations, review of presenting forms (ameboma, fulminating forms, acute appendicitis), differential diagnosis, pathology: Mexico

Intestine, Host
Vengesa, P. B.; and Leese, H. J., 1979, Tr. Roy Soc. Trop. Med. and Hyg., v. 73 (1), 55-60
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

Intestine, Host
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fish helminths, host specificity, body shape and orientation within host gut, habitat specificity and migrations within gut, host alimentary canal physiology

Intestine, Parasite
Arme, C.; and Walkey, M., 1970, Symposia Brit. Soc. Parasitol., v. 8, 79-101
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)

Intestine, Parasite
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

Intestine, Parasite
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

Intestine, Parasite
Carlisle, S.; and Weisberg, L. S., 1978, Exper. Parasitol., v. 44 (1), 124-135
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

Intestine, Parasite
Chaika, S. Iu., 1977, Tsitologiia, v. 19 (11), 1221-1224
various blood-sucking arthropods, ultrastructure of glycocalyx of microvilli in midgut, differences among groups

Intestine, Parasite
Davies, C., 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

Invasion mechanisms
Baker, J. R.; and Liston, A. J., 1978, J. Gen. Microbiol., v. 104 (1), 79-89
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
Bannister, L. H., 1979, Proc. Roy. Soc. London, s. B., Biol. Sc. (1155), v. 204, 141-163
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

Invasion mechanisms
Chang, K. P., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1084-1096
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
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Leishmania donovani, promastigote-macrophage surface interactions in vitro

Invasion mechanisms
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Leishmania donovani/hamster macrophage interactions in vitro: cell entry, intracellular survival, and multiplication of amastigotes

Invasion mechanisms
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

Invasion mechanisms
Evans, D. A.; and Ellis, D. S., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (6), 653-655
Trypanosoma brucei rhodesiense, evidence of active penetration and passage of trypanosomes across midgut cells of Glossina morsitans morsitans rather than passive uptake

Invasion mechanisms
Francis, D. H.; Kinden, D. A.; and Buening, G. M., 1979, Am. J. Vet. Research, v. 40 (6), 777-782
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
Hirsch, J. G.; Jones, T. C.; and Len, L., 1974, Ciba Found. Symp., n.s. (25), 205-223
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 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

Invasion mechanisms
Langreth, S. G.; Nguyen-Dinh, P.; and Trager, W., 1978, Exper. Parasitol., v. 46 (2), 235-238
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
Schistosomatium douthitti, effect of age and of size of Lymnaea catascopium on miracidium-snail 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 erthrocyte, 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 Stadtsbaeder, 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
Poels, L. G.; van Niekerk, C. C.; and Franken, M. A. M., 1978, Israel J. Med. Sc., v. 14 (5), 575-581
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, effect of cytochalasin D on entry into mononuclear phagocytes and into cells generally not considered to be phagocytes, results support concept 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, sequence of events led to assumption of parasite actively penetrating non-phagocytic host cell

Invasion mechanisms
Stoicescu, V., 1977, Arch. Roumaines Path. Exper. Microbiol., v. 36 (3-4), 301-306
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
Yousif, F.; and Laemmler, G., 1977, Ztschr. Parasitenk., v. 53 (2), 247-250
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
Zenian, A.; Rowles, P.; and Gingell, D., 1979, J. Cell Sc., v. 39, 187-199
Leishmania tropica, uptake of promastigotes by macrophages, scanning electron microscopy, invasion is through phagocytosis rather than penetration

Iowa. See United States, Iowa.

Iran
Farhang-Azad, A., 1972, Parazitologiia, Leningrad, 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
Nagaty, H. F.; Elahi, R.; and Mohajeri, M., 1978, Ann. Trop. Med. and Parasitol., v. 72 (4), 369-375
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. malariae; Leishmania tropica; Entamoeba histolytica; E. coli; Giardia lamblia; Chilomastix mesnili; Trichomonas intestinalis; Ascaris lumbricoides; Enterobius vermicularis; Trichuris trichiura; Necator americanus; hookworms; Trichostrongylus sp.; Strongyloides stercoralis; Hymenolepis nana; Taenia saginata; Sarcoptes scabiei; Demodex folliculorum; Isospora belli; Balantidium coli; Entamoeba hartmanni; Dientamoeba fragilis; Endolimax nana; Iodamoeba buetschlii; Bodo caudatus; Trichomonas vaginalis; Schistosoma haematobium)

Iran
Nagaty, H. F.; Mohajeri, M.; and Elahi, R., 1978, J. Trop. Med. and Hyg., v. 81 (10), 195-197
parasites, people: Khorasan, Iran (Ascaris lumbricoides; Giardia lamblia; Entamoeba coli; Hymenolepis nana; Enterobius; Trichuris trichiura; Trichomonas hominis)

Irian Barat. See Indonesia, New Guinea.

Irradiation. See Radiation.

Irrigation
Biswas, A. K., 1978, Water Supply & Management, v. 2 (4), 283-297
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
Bullick, G. R.; and Andersen, F. L., 1978, Great Basin Nat., v. 38 (4), 369-378
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 auricularia population in newly irrigated area: Azerbaidzhan 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
Marzochi, M. C. de A., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (4), 249-256
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
Meek, A. H.; and Morris, R. S., 1979, Austral. Vet. J., v. 55 (8), 365-369
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 Sc., 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
Costin, C., 1978, Israel J. Med. Sc., v. 14 (5), 521-522
malaria surveillance in Israel, symposium presentation

Israel
Greenblatt, C. L., 1978, Israel J. Med. Sc., v. 14 (5), 508-517
historical review of antimalarial campaign in Palestine and Israel, symposium presentation

Israel
Saliternik, Z., 1978, Israel J. Med. Sc., v. 14 (5), 518-520
reminiscences of history of malaria eradication in Palestine and Israel, symposium presentation

Israel
Yekutiel, 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, Suinicoltura, v. 18 (11), 49-52
survey of gastrointestinal nematodes, pigs (feces): Province of Mantova, Italy (Strongyloides westeri; S. ransomi; Ascarops strongylina; Physocephalus sexalatus; Trichostrongylus colubriformis; T. axei; Oesophagostomum dentatum; O. brevicaudum; O. longicaudum; Hyostrongylus rubidum; Ascaris suum; Trichuris suis; Macracanthorinchus hirudinaceus)

Italy
Guizzardi, F.; Gatti, R.; and Tenca, L., 1979, Riv. Zootecn. e Vet. (2), 78-80
intestinal parasites: province and city of Mantova
(T. leonina; T. canis; ascaridi; Trichuris; ancylostomi; tenie; coccidi)

Italy
Tarsitani, G.; et al., 1979, Nuovi Ann. Ig. e Microbiol., v. 30 (2), 197-206
parasites of children, prevalence factors (age, sex, socio-economic class, crowding): Rome, Italy
(Enterobius vermicularis; Trichuris trichiura; Ascaris lumbricoides; Giardia intestinalis)

Italy, Sardinia
Lippi, M.; Balestrieri, A.; and Medda, A., 1974, Rassegna Med. Sarda, v. 77, n.s., v. 26 (1), 45-62
survey, intestinal parasites of children and juveniles of a small Sardinian village (Enterobius vermicularis; Hymenolepis nana; Trichuris trichiura; H. heterophies; S. stercoralis; A. lumbricoides)

Ivory Coast
Mishra, G. S.; and N'Depo, A. E., 1978, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 31 (4), 431-436
larval cestodes in food animals, abattoir survey: Abidjan, Cote-d'Ivoire