

REFERENCES

- Abaza, H., 1982. Common Endemic Diseases; pathogen. of sch., autoimmunity, P. 11.
- Abdine, F.H. 1963. Needle biopsy in cirrhosis of the liver J. Egypt, Med. Asss. 46 : 45-52.
- Annual Report, 1978. For reference and research : Study of viral hepatitis in Egypt.
Egyptian organization for Biological products and vaccines. Agaza - Caire. P : 109.
- Aldershville, J., Skinhej, P., Fresher, G.G., et al. 1980
The expresion pattern of hepatitis B surface antigen carriers, J. infect. Dis. 142-18.
- Almeida, J.D., Stoll, E.J., 1971. New antigen - antibody systems in Australia Antigen postive patients. lancet II : 1225.
- Andrade, Z.A., Cheever, A.W., 1971. Altration of The intra-hepatic vasculature in hepato-splenic schistosomiasis mansonii. Am. J. Trop. & H. 20 : 425.
- Andrade, Z.A., Santana, S. Filho, and Rubin, E., 1962.
Hepatic changes in advanced schistosomiasis. Gastroentrology, 42 : 393.
- Anwar, A.R.E., Smithers, Kay, A.B., 1979. Killing of schistosoma mansonii Coated with antibody and / or Complement by human leucocytes in vitro : Requirement for Complement in perferential killing by eosinophils. J. immunal. 122 : 628 .

- Atta, A., Huntewr, S., El-Badrawy, F., Shaker, Z. , 1977.
J. Egypt. Med. Ass. 60 : 581 - 590.
- Ayad, N. 1974. Egypt. J. Bilh. 1 : 9 - 27 .
- Badawi, H., Nomier, A., Zaher, R., 1962. Evaluation of
portal hypertension in hepatic schistosomiasis. Alex-
andria Med. J. 8 : 208-219.
- Bancroft, W.H., Mundo, F.K., Russel, P.K., 1972. Detect-
ion of additional determinats of hepatitis B antigen,
J. immunol. 109 : 842.
- Bassily, S., M.A., Dunn Farid, Z., Kilpatrick, M.E., et
al. 1983. chronic HB in patients with schistosomiasis.
J. Trop. Med. & Hyg. 86 : 67.
- Bassily, S., Farid, Z., Higashig et al. 1979. chronic
hepatitis B antigenaemia in patients with hepatospl-
enic schistosomiasis. J. Trop. Med. & H. 82 : 248.
- Biempica, L., Dunn, M.H., Kamel, R., Hait, P.K., Fleishner
et al. 1983. Liver collagen type, characterization in
human schistosomiasis. Histological ultra - structural
and immunologyto chemical Correlation. Am. J. Trop.
Med. & H. 32 (2) : 316.
- Boglietta, L., 1964 . The anatomic picture of the liver in
hepatosplenic schistosomiasis mansonii. Ann. Trop. Med.
parasitology, 51: 1-14.
- Boros, D.L., 1975. Schistosomiasis mansonii, a granulen-
atous disease of cell-mediated immune etiology.
Ann. N.Y. Acad. Sciences, : 36.

- Boros, D.L., Lande, M.A., 1983. Induction of Collagen synthesis in cultured human fibroblasts by live schistosoma mansoni eggs and soluble egg antigens, Am. J. Trop. Med. & H. , 32 (1) : 78-82.
- Bromberg, J.S., Lake, P., Brunswick, M., 1982. Viral antigens act as helper determinants for antibody responses to cell surface antigens. J. immunol. 129 : 688.
- Buchanan, R.D., Colley, D.G., 1973. Schistosoma mansoni infections in mice depleted of thymus dependant lymphocytes II. Pathology and altered pathogenesis. Am. J. Path. 71 : 207.
- Butter worth, A.E., Houba, V., Mahmoud, A.A.F., 1975. Eosinophils as mediators of antibody dependent damage to schistosomula. Nature : 256 : 7.
- Byram, J.E., and Von lichtenbery, F. 1977. Altered schistosome granuloma formation in nudemice. Am. J. Trop. Med. & H. 26 : 944.
- Canto, A.L., Sesso, A., and De Brito, T., 1977. Human chronic mansonian schistosomiasis cell hepatic sinusoidal wall : A morphometric light and electron microscopy study. J. Path. 123 : 35 .
- Cheever, A.W., 1968 . A quantitative postmortem study of schistosomiasis mansoni in man . Am. J. Trop. Med. & H. 17(1) : 38.
- Cheever, A.W., and Andrade, Z.A., 1970. Comparison of pathological changes in the liver of subjects with

Compensated and decompensated hepatosplenic schistosomiasis mansonii. Gaz. Med. Bahia 70 : 67 .

- Cheever, A.W., Duvall, R.H. 1974. Single and repeated infections of grivet monkeys with schistosomiasis mansonii : Parasitological and pathological observations over a 31 month period. Am. J. Trop. M. & H. 23 : 884 .
- Chensue, S.W., Boros, D.L. 1979. Modulation of granulomatous hypersensitivity I. Characterization of T-Lymphocytes involved in adoptive suppression of granuloma formation in schistosoma mansonii infected mice. J. immunol. 123 : 1409.
- Colleg, D.G., 1975. immune responses to a soluble egg antigen preparation during chronic primary infection with Schistosoma mansonii. J. immunol. 115 : 150
- Damaree, H., Hillyer, T., 1981. Immunohistological studies in schistosomiasis mansonii. J. Parasitology. 67:731.
- Dane, D.S., Briggs, M. 1970. Virus like Particles in serum of patients with australia antigen - associated hepatitis. Lancet 1 : 695.
- Da Silva, L.C., Pontes, J.F., 1965. In progress of liver diseases, Vol. II. P. 243 Ed. Hans popper and Fenton Schaffner, Grune and stratton : New York and London.
- Davis, B.H., Mahmoud, A.A.F., Warren, 1974. Granulomatous hypersensitivity to schistosoma mansonii eggs in thymictomized and bursectomized chickens. J. immunol. 113 : 1664.

- De Brito , T. Da Silva, L.C., Costa, C.M., 1983. Immuno-
pathology of experimental schistosoma (S. mansoni)
egg granulomas in mice : Possible defence mechanisms
mediated by local immune complexes. J. path. 140 (1):
17 - 28.
- De Witt, W.B., 1957. Experimental schistosomiasis mansoni
in mice maintained on nutritionally deficient diets II.
Survival and development of schistosoma mansoni in
mice maintained on Torula yeast diet deficient in
factor 3, Vitamine E, and Cysteine. J. Parasitology
43 : 129-135.
- Diaz-Rivera, R.S., Ramos - Morales, 1956. Acute manson's
schistosomiasis. Am. J. Med. 21 : 918.
- Dimmette, R.M., Sproat, H.F., 1955. Rectosegmoid polyps
in schistosomiasis. Am. J. Trop. Med. & H. 4, 1057.
- Domingo, E.O. , Cowan, R.B.T., Warren, K.S., 1967 . The
inhibition of granuloma formation around S. mansoni
eggs -1- immunosuppressive drugs. Am. J. Trop. Med.
& H. 16 : 284.
- Dunn, M.A., Warren, K.S., 1977 . Liver Collagen Synthesis
in murine schistosomiasis. J. clin. invest. 59:666.
- Dunn, M.A., Kamel, R., 1981. Hepatic schilosomiasis. Hepat-
ology. 1 : 653.
- El-Almy, M.A., Imam, I.Z., Hanafy, A., Abd el-Gawad, Z.,
and Maynard, J. 1979 . J. Egypt Pub. Health. Ass.
4 : 32 - 235.

- El-Dewi, Bedawi, E., and Habib, A. 1957. Preliminary report on some of hematological aspects of hepatosplenic schistosomiasis in Egypt. Gaz. Kaser El-Anini Far. Med. 23, 52 - 56 .
- El-Haieg, M.O., Aboul Enein, M.M., Mustafa, M.H., Refaat, M.A., Ibrahim, I., Aboul Fadal, M., 1978. Studies on Certain serum enzymatic activities in hepatosplenic bilharziasis, Egypt. J. Bilh. 5:19.
- El-Hawary, M.F., Abdin, M.W., Shaker, M.H., Saif, M., 1970. Studies on serum enzymes in bilharziasis before and after treatment with niridazole. J. Egypt. Med. Assec. 53 : 745.
- El-Rasiky, E.H., Shaker, Z.A., Mahmoud, A.H., Kamel, K., Abou El-Ezz, F.M., Mousa, A.H., 1974. Egypt. J. Bilh. 1 (2) : 287 - 295.
- El-Roeby and Atta, A.H., 1964. prac. Ist. Nat. Symp. Bilh. Cairo. 1 : 67.
- El Sheikh, N., Osman, C.G., Cullens, H. et al., 1978 . T-Lymphocyte mediated cytotoxicity in HBs Ag Positive liver disease. clin. exp. Immunol. 31:15.
- Elwi, 1976. Pathology of schistosomiasis . Compiled review on schistosomiasis. Published by the National information and Documentation centre, NIDOC, Dokki, Cairo, Egypt. p. 47.
- Epstein, W.L., Dano, K., 1979. Granulomatous inflammation in normal and athymic mice infected with schistosoma mansoni : an ultrastructural study. J. path. 127 : 207.

- Erfan, M. , Hashem, M., El-Mofty, Mousa, A., Khattab, M., 1957. Gaz. Kasr. El Ani. Fac. Med. Cairo 23:1.
- Fayez, M., Aziz, S., 1962. Variation of Portal Pressure and effect of drugs in Bilh. Liver. J. Egypt. Med. Ass. 45 : 218.
- Fields, H.A., Davis, C., 1978. Radio immunoassay for the detection of hepatitis Be antigen (HBe Ag) and its antibody (anti-HBe). Immunol. 121 : 73.
- Gahnem, M.H., Fayez, M., El-Sawy, M., 1970. Assesement of liver function in bilharzial hepatic fibrosis(1) Alex. Med. J. 16 : 2 .
- Gerlish, W.H., 1980 . Diagnosis of acute and inapperent hepatitis B virus infections by measurement of Ig M antibody to hepatitis B core antigen. J. infect.Dis. 142 : 95.
- Green, W.F., Colley, D.G. , 1981. Modulation of schistosoma mansoni egg induced granuloma formation. I : J. restriction of T-cell mediated suppression in chronic parasite infection. Proc. Natl. acad. Sci. USA. 78:1152.
- Grimaud, J.A., Borojeevic, R., 1976. Schistosomal pigment in human and experimental infections with schisotosoma mansoni. Trans. R. Soc. Trop. Med. & H. 70 :73 .
- Hashem, M., Fahmy, S.A., 1962. The effect of dietetic deficiency on the evolution of bilharzial hepatic fibrosis. proc. Ist. inter. symp. Bilh. 1 : 115.
- Hashem, M., El-Mofty, A., Mousa, A.H., Khattab, M., 1957. Clinico pathological study of bilharzial cases with

hepatosplenic affection. Gaz. Kasr El Ani Fae.

Med. 23 : 1-13.

- Hassanein, H., Herbage, D., and Grimand, J. A. 1983 .
Solubilization and characterization of human liver
Collagens in schistosomiasis mansoni. Cellular and
molecular biology. 29 (2) : 139 .
- Hiagazi, M., Fahmy, A., Kaddah, S., 1960. Serum
glutamic oxalacetic transaminase in hepatic bilharz-
iosis. J. Egypt. Med. Ass. 43 : 12 .
- Hiatt, R.A., Soto mayor, Z.R., 1979 . Factors in the
pathogenesis of acute schistosomal mansoni. J.
infect. Dis. 139 (6) : 659 .
- Hindman, S.H., Murphy, B.L., et al., 1976 . "e" antigen,
Dane particles and serum DNA Polymerase activity in
HBs Ag Carriers. Ann. Intern. Med. 85 : 458.
- Kabil, S.M., and ⁰⁰Woodruff, A.W., 1976. Trans. Roy. Soc.
Trop. Med. & Hyg., 71,4,291.
- Kamel, I.A., Elwi, A.M., cheever, A.W., 1978 . S. mansoni
and S. haematobium infection in Egypt . IV. Hepatic
lesions. Am. J. Trop. Med. and H. 27 (5) : 939.
- Kaplan, P.M., Greenman, R.L., 1973. DNA polymerase ass-
ociated with human hepatitis B antigen. J. Virol.
12 : 1005.
- Kellermeyer, R.W., and Warren, K.S., 1970. The role of
chemical mediators in the inflammatory response ind-
uced by foreign bodies comparison with schistosome
egg granuloma. J. Exp. Med. 131 : 21.

- Lyra, L.G., and Andrade, Z.A., 1976. HBs Ag Carrier state in hepatosplenic schistosomiasis. Gastro - entrology 71 : 641.
- Magnus, L.O., Espmark, J.A., 1972. New specificities of Australia antigen Positive sera distinct from Le Bouvier determinants. J. immunol. 109 : 10171
- Mc Callum, R.W., 1952. The size of serum hepatitis virus. proc. Soc. Exp. Biol. Med. 81 : 167.
- Meira, J.A., 1964. Esquistosomose mansonica in veronesi, R (Ed.) : Doencas infecciosas e parasitarias. Sao Paulo, Editora Guanabar Koogan.
- Mourad, A.A.M., 1983. The role of HB. Virus in the etiology of endemic hepatosplenomegaly. M.D. Thesis (Trop.). Zagazig un.
- Myrink, W., Neves, J., 1966. Glutamic pyrovic and Glatamic oxalacetic transaminase in toxaemic patients suffuring from schistosomiasis mansonii. Hospital Rio de decero 63 : 163.
- Nooman, Z.M., Khalil, M., Nafeh, M.A., et al, 1978. Hepatitis B antigen in bilharzial HBs postive subjects infected with viral hepatitis. proc. int. Conf. Schisto. 1 : 149 .
- Onsy, A.B., laghi, V., 1979. Pathogenesis of endemic sple - nomegaly. Trans. Roy. Soc. Trop. Med. Hyg. 30 : 597.
- Pelley, R.P., Warren, K.S., 1976. Schistosoma mansonii soluble egg antigens. Identification and purification of tree major antigens and employment of radio immunassay

for their further characterization. J. immunol.,
117 : 1553-1650.

- Rizzetto, M., Canese, M.G., Arico, S.S. et al 1977 .
Immunofluorescence detection of a new antigen /
anti-body system (delta/antidelta) associated
with hepatitis B virus in liver and serum of HB_s
Ag Carriers. Gut. 18 : 997 - 1003.
- Saif El-Din, S., Abdel Wahab, M.F., Shaker, R.M., Maklad,
M. Kh., Rifaat, M.A., 1976 - Ain Shams Med. Journal
27 (3-4) : 323.
- Salah, M., 1962. The liver bilharziasis. Alexandria Med.
J. 8 : 177 .
- Sherlock, S., 1982. Hepatocyte injury in man. Lancet 1 :
782.
- Siongok, T.K., Mahmoud, A.A.F., 1964. Serum transaminases
in bilharziasis and the immediate effect of anti -
bilharzial treatment there upon. Z. Trop. Med. Paras.
15 : 199 - 207.
- Souidan, M.Z.A : Egyptian hepatomegaly: The new aspect
of its etiology, changes of reversibility. Bulletin
of the scientific. Society, Abbassiah Faculty of
Medicine, 1951, 2 : 3 .
- Von Licktenberg, F., Sher, A. 1977. A long model of
schistosome immunity in mice. Am. J. Path. 87:105.

- Wahl, S.M., Wahl, L.M., 1978. Lymphocyte mediated activation of fibroblast proliferation and Collagen production. J. Immunol. 121 : 242-246.
- Warren, K.S., 1966. The pathogenesis of " Clay-Pipe stem Cirrhosis " in mice with chronic schistosomiasis mansoni with a note on the longevity of the schistosomiasis. Am. J. Path . 49 : 477-489.
- Warren, K.S., Boros, D.L., 1974. Shistosome granulomata, a form of cell mediated immunity. In immunity, infection and pathology (ed.) van Furth. R., Blackwell scientific publications, Ltd., London. P : 1015.
- Woodruff, A.W., Shaffel, A., 1963. Anaemia in hepatosptenic schistosomiasis proc. int. cong. Trop.Med.
- Zaher, R., Ayad, W., Moustafa, A., Fadle, H., 1971. Alex. Med. J. 17 .