

1- Abaza, H. (1984):

Immunopathology of schistosomiasis. In: Immunology of Schistosomiasis P. 61-70. Alex. Dar Nashr El-Sakafa.

2- Abaza, H. (1990):

T Lymphocytes subsets in early schistosomal cancer bladder. J. Trop. Med., 1 (2): 35-40.

3- Abbas, A. (1987):

Cellular interactions in immune response. The role of B Lymphocytes and Interlukin-4 Am. J. Pathol; 129:26.

4- Abdel-Tawab, M.E., Strickland, G.T., El-Sahly, A., Zakaria, S., El-Kady, N., Ahmed, (1979):

Changing pattern of schistosomiasis in Egypt 1935-1979. Lancet 2:242.

5- Abercrombie, M. (1946):

Estimation of nuclear population from microtome sections. Anat. Record 94: 239-242.

6- Anwar, A.R.E., Smithers, S.R. and Kay, A.B. (1979):

Killing of schistosomula of schistosoma mansoni coated with antibody and/or complement by human leukocytes in vitro: requirement for complement in preferential killing by eosinophils. J. Immunol, 122:628.

7- Auriault, C., Capron, M. and Capron A. (1982);

Activation of rat and human eosinophils by soluble factors released by schistosoma mansoni schistosomula. Cell Immunol. 66:59.

8- Auriault, C., Capron, M., Cesari, I.M. and Capron, A. (1983):

Enhancement of eosinophil effector function by soluble factors released by S. mansoni, Role of proteases. J. Immunol. 131(1) July 464-70.

9- Ayad, N. (1974):

A Short review of epidemiology of schistosomiasis in Africa. Egypt J. Bilh. 1:9.

— 10- Bach, F., (1985):

The HLA class II, genes and products. Immunol. Today, 6:89.

11- Bader, M. (1981):

Schistosomiasis in ancient Egypt. In: El-Bolkainy MN, ChuEw (eds): Detection of Bladder cancer Associated with schistosomiasis. Al-Ahram Press, Cairo, P. 1.

12- Bienestock, J., Ihonson, N. and Percy, D. (1973):

Bronchial lymphoid tissue: Morphologic characteristics. Lab. Invest, 28:686.

13 - Beinenstock, J., Befus, D. and Mc Dermott M. (1980):

Mucosal immunity.

Monographs in Allergy, 16:1.

14- Bruce, S.R., Johnson, J., Claussen, D. and Pihsburgh, P. (1984):

Identification of subsets of lymphocytes infiltration head and neck tumour tissues. A preliminary report. Laryngoscope, 94: May.

15- Butterworth, A.E., Remold, H.G., Houba, V., David, J.R., Franks, D. and David, P.H. (1977):

Antibody dependent cell mediated cytotoxicity. J. Exp. Med. 145:136.

16- Cantor, H. and Boyse, E. (1975):

Function subclasses of T Lymphocytes bearing different Ly antigens: Generation of functionally distinct T cell subclasses in a differentiative process of independent antigen.

J. Exp. Med.; 141:1376.

17- Castle, W.M. (1977):

Statistics in small Doses, PP. 59-66.

Churchill livingstone, Edinburgh and London.

18- Cheever, A.W., Byram, J.E., and Hieny, S. (1985):

Schistosomiasis in B-cell depleted mice. Parasite Immunol. 7:399.

19- Cline, M. (1978):

Monocytes, macrophages and their diseases in man.
J. Invest Dermatol; 71:56.

20- Cooper, M. and Lawton, A. (1974):

The development of the immune system. Scient Am., 231:559.

21- Cormack, D.H. (1987):

Ham's Histology, Ninth Edition. P. 584-586.
J.B. Lippincott Company Philadelphia.

22- Dalluman, M. J., Mason, D.W. and Webb, M. (1982):

The role of host and donor cells in the rejection of skin allografts by
T cells deprived rats injected with syngeneic T cells. Eur. J.
Immunol., 12:511.

**23- Dimitriu-Bona, A., Burmester, G., Waters, S. and Winchester, R.
(1983):**

Human mononuclear phagocyte differentiation antigens. Patterns of
antigenic expression on the surface of human monocytes and
macrophages defined by monoclonal antibodies.
J. Immunol. 130: 145.

**24- Doumeneg, J.P., Mott, K.E., Cheung, C., Villenave, D. Chapuis,
O., Perrin, H.F. and Reaud-Thomas, G. (1987):**

Atlas of Global Distribution of schistosomiasis. WHO, Geneve.

25- Drury, R.A.B. and Walling, E.A. (1976):

Carlton's histological techniques 4th ed. PP. 139.

26- Dym, M. and Romrell, L. (1975):

Intraepithelial lymphocytes in the male reproductive tract of rats and rhesus monkeys. J. Reprod Fertil., 42:1.

27- Edington, G.M., Von Lichtenberg, F., Nwabuebo, L., (1970):

Pathologic effects of schistosomiasis in Ibadan, western state of Nigeria Incidence and intensity of infection, distribution and severity of lesions. Am. J. Trop. Med. Hyg. 19:982.

28- El-Alamy, M.A., Chine, B.L. (1977):

Prevalence and intensity of *S. mansoni* infections in Qalyub, Egypt. Am. J. Trop. J. Med. Hyg., 26(3): 470.

29- El-Bolkainy, M. N., Mokhtar, N.M., Ghoneim and Hussein, M.H. (1981):

The impact of schistosomiasis on the pathology of bladder carcinoma. Cancer. 48:2643.

30- El-Demiry, M., Hargreave, T., Busuttil, A., James, K., Ritchie, A. and Chilsholm, G. (1985):

Lymphocytes sub populations in the male genital tract. Br. J. Urol., 57:769.

- 31- *El-Demiry, M., Hargreave, T., Busuttil, A., James, K., and Chilsholm, G. (1986 a):*
T Lymphocyte subset in human epididymis, proc. 12 th. Wld. Congr. Fert. Steril., Singapore.
- 32- *El-Demiry, M., Hargreave, T., Busuttil, A., James, K., and Chilsholm, G. (1986 b):*
Immunohistochemical Identification of Lymphocyte subsets and Macrophages in Normal Human Urothelium using Monoclonal Antibodies. Br. J. of Urol. 436-442.
- 33- *El-Demiry, M., Smith, G., Ritchie, A., James, K., Cumming, J. Hargreave, T., and chilsholm, G., (1987):*
Local Immune Responses after Intravesical BCG Treatment for Carcinoma In Situ. Br. J. Urol., 60, 543-548.
- 34- *El-Demiry, M. and James, K. (1988):*
Lymphocyte subsets and macrophages in the male genital tract in health and disease; A monoclonal antibody based study.
Eur Urol; 14:226.
- 35- *Ellner, J.J., Olds, G.R., Lee, C.W., Kelinhenz, M.E. and Edmonds, K.L. (!982):*
Destruction of the multicellular parasite schistosoma mansoni by T Lymphocytes. J. Clin. Invest., 70 (2): 369-378.

36- Elwi, A.M. (1976):

Pathology of schistosomiasis In: compiled review on schistosomiasis published by the National Information and Documentation Center (NIDC), Cairo, P. 47.

37- Evans, R., Wall, D. and Plastoucas, C. (1981):

Thymus dependent membrane antigens in man, inhibition of cell mediated lymphocytosis by monoclonal antibodies to the TH2 antigen. Proc. Nat. Acad. Sci. U.S.A., 78:544.

38- Falini, B. and Tailor, C. (1983):

New developments in immunoperoxidase techniques and their application. Arch. Pathol. Lab. Med., 107:105.

39- Feldmann, M. and Male, D. (1989):

Cell cooperation in the immune response. In: Immunology. Roitt, I.M., Brostoff, J. and Male D. K. (eds). P. 8: 1-11 2nd Ed. Churchill Livingstone Edinburgh, London, Melbourne. New York.

40- Ferguson, A. (1977):

Intraepithelial Lymphocytes of the small intestine. Gut., 18:921.

41- Friedmann, S., Hunter, S., and Irigoyen, O. (1981):

Functional analysis of human T cell subsets defined by monoclonal antibodies. Collaborative T-T interactions in the generation of TNP-altered selfreactive cytotoxic T lymphocytes. J. Immuno; 126:1702.

42- Garb, K., Stavitsky, AB. and Olds, G., (1982):

Immune regulation in murine schistosomiasis Japonica: inhibition of in vitro antigen and mitogen-induced cellular response by splenocyte culture supernatants and purified fractions from serum of chronically infected mice. *J. Immunol.* 129:2752.

43- Gastl, G.A., Feldmeier, H., Doebling, E., Kormann, C., Daggalla, A.A. and Peter, H.H. (1984):

Numerical and functional alteration of lymphocytes in human schistosomiasis. *Scand. J. Immunol.*, 19(5) 469-479.

44- Gazzinelli, G. Lambertucci, J. R. and Katz, N. (1985):

Immune responses during human schistosomiasis XI. Immunologic status of patients with acute infections and after treatment. *J. Immunol.* 135: 2121-2126.

45- Ghoniem, M.A., Ashamalla, A. (1981):

Diagnostic cystoscopy for schistosomal lesions of the urinary bladder. In: El-Bolkainy M.N., Chu EW (eds): Detection of bladder cancer associated with schistosomiasis. El-Ahram Press, Cairo, Egypt, P. 138.

46- Graham, R. and Carnovsky, M. (1966):

The early stages of absorption of injected horseradish peroxidase in the proximal tubules of mouse kidney.

Ultrastructural cytochemistry by a new technique. *J. Histochem. Cytochem.* 14:291.

47- Green, B. M. and Colly, D.G. (1974):

Eosinophils and immune mechanism: Partial characterization of Lymphokine eosinophil stimulation Promoter. *J. Immunol.*, 113:910.

48- Harris, N. (1986):

Leukocyte typing II. Diagnostic immunopathology. P. 273 Colvin R., Bhan A, and Mc Cluskey R. (Eds.), Raven Press, New York.

49- Harris, N. and Bhan, A. (1985):

B cell neoplasms of the lymphocytic, Lympho-plasmacytoid and plasma cell types: Immunohistologic analysis and clinical correlation. *Hum. Pathol.*; 16:829.

50- Hashem, N. (1962):

General pathology of schistosomiasis. Proceeding of the 1st International symposium on Bilharziasis, Ministry of Science Research, Cairo, Egypt, P. 115.

51- Hirsh, B. and Johnson, W. (1984):

Concepts of granulomatous inflammation. *Int. J. Dermatol*; 23:90.

52- Hogg, N., Takacs, L., Palmer, D.G., Selvendran, Y. and Allen, C. (1986):

The P. 150, 95 molecule is a marker of human mononuclear phagocytes: Comparison with expression of class II molecules. *Eur. J. Immunol.*, 16, 240-248.

53- Holstein, C. (1983):

Morphology of free immature germ cells in human testis, epididymis and ejaculate. *Andrologia*, 15:7.

54- Hong, R. (1989):

Immune response In: *Clinical immunology*. 1:6-7 2nd. ed. Harper and Row Publishers. Philadelphia.

55- Ishak, K.G., Le Golvan, P.C., and El-Sebai, I. (1967):

Malignant bladder tumors associated with schistosomiasis. A gross and microscopic study. In: Mostofi Fk (ed.): *Bilharziasis*: Springer Verlag, New York, P. 58.

56- Ismail, M.M., James, C. and Webbe, G. (1984):

The enzyme linked immunosorbent assay (ELISA) for the determination of circulating antigen and antibody in schistosoma haematobium infected baboons. *Trans. Roy. Soc. Trop. Med. Hyg.* 75:542.

57- Junqueira, L.C. and Carneiro, J. (1991):

Basic Histology, fourth Edition. Middle East Edition PP. 408. Lange Medical Publications, Beirut, Lebanon.

58- Kagan, I.G. and Pellegrino, J. (1974):

Immunology of schistosomiasis *Bull. WHO.*, 51:553-595.

59- Kam .s, W. and Cooper, M. (1982):

Microenvironmental studies of pre B and B cell development in human and mouse foetuses. *J. Immunol.*, 129:526.

60- Kappler, J. and Marrack, P. (1976):

Helper T cells recognize antigen and macrophage surface components simultaneously. *Nature*, 262:797.

61- Kassis, A., Warren, K., and Mahmoud, A.A.F. (1978):

The schistosoma egg granuloma. *Cell Immunol.* 38:310.

62- Khafagy, M.M., El-Bolkainy, M.N., and Mansour, M.A. (1972):

Carcinoma of the bilharzial bladder. A study of the associated mucosal lesions in 86 cases. *Cancer.* 30:150.

63- Killar, L.; MacDonald, G., and West, A. (1987):

Cloned, Ia restricted T cells that do not produce Interlukin-4 (IL4) B cell stimulatory factor 1(BSF-1).

Fail to help antigen-specific B cells. *J. Immunol;* 138:1674.

64- Kimbal, J.W. (1986):

Tissues and cells of the immune system. In: *Introduction to immunology.* 7: 131-133. Machmillan Publishing Co. New York.

65- Kohler, G. and Milstein, C. (1976):

Derivation of specific antibody producing tissue culture and tumour lines by cell fusion. *Eur. J. Immunol:* 6:511.

66- Konada, S., Stockert, E. and Smith, R. (1973):

Immunologic properties of mouse thymus cells.

Membrane antigen patterns. *Cell Immunology*, 7:275.

67- Lasser, (1983):

The mononuclear phagocytic system. Review. *Hum. Pathol*; 14:108.

68- Lampson, L. and Levy, R. (1980):

Two populations of Ia-like molecules on a human B cell line, *J. Immunol*, 125:393.

69- Ledbetter, J., Evans, R. and Lipinsri, M. (1981):

Evolutionary conversion of surface molecules that distinguish T Lymphocyte helper/inducer and T cytotoxic/suppressor sub populations in mouse and man, *J. Exp. Med.*, 153:310.

70- Leeson, T.S., Leeson, C.R. and Paparo, A.A, (1985):

Text Book of Histology 5th. ed., PP. 431-433. W.B. Saunders company philadelphia, London, Toronto, Japan.

71- Lendrum, A.C. and Mc farlane, D. (1947): Cited by Drury and Wallington (1976):

J. Path. Bact. 50, 381.

72- Levy, P.C., Shaw, G.M. and LoBuglio, A.F. (1979):

Human monocyte, lymphocyte and granulocyte antibody dependent cell mediated cytotoxicity toward tumour cells J. Immunol., 123:594.

73- Loveland, B.E. and Mc Kenzie, I.F.C. (1982):

Which T cells cause graft rejection. Transplantation, 33:217-219.

74- Mahmoud, A.A.F., Warren, K.S and Peters, P.A. (1975 a):

A role for the eosinophils in acquired resistance to *S. monsoni* infection as determinant by anti-eosinophil serum. J. Exp. Med. 142:805.

75- Mahmoud, A.A.F., Warren, K.S. and Graham, R.C. (1975 b):

Anti-eosinophil serum and the kinetics of eosinophilia in *schistosoma mansoni*. J. Exp. Med. 142:560.

76- Mason, D.W. (1985):

The possible role of class II major histocompatibility complex antigens in self tolerance. Scand. J. Immunol., 21, 397-400.

77- Mc Connell I. (1982):

Lymphocytes and Lymphoid system. In: Clinical Aspects of Immunology. P. 72.

Lachmann P. and Peters D. (Eds.) Oxford, Blackweel Scieintific Publications.

78- Mcuer S., Hussey R. and Penta A. (1982):

Cellular origin of interleukin 2 (IL2) in man: evidence for stimulus restricted IL2 production by T4+ and T8+ T Lymphocytes.
J. Immunol, 129: 1076.

79- Moore M. and Owen J. (1967):

Experimental studies on the development of the thymus.
J. exp. Med., 126:715.

80- Moretta, L., Webb, S. and Grossi, C. (1977):

Functional analysis of two human T cell subpopulations: help and suppression of B cell responses by T cells bearing receptors for IgM (TM) IgG (TG). J. Exp. Med., 146:184.

81- Moretta, L., Mingari, M. and Sekaly, P. (1981):

Surface Markers of cloned human T cells with various cytolytic activities. J. Exp. Med.; 154:569.

82- Mowat, A.M. and Ferguson, A. (1981):

Induction and expresion of mucosal cell-mediated immunity. In the mucosal Immune system, Bourne, F.J. PP. 107-129. The Hague, Boston, London: Mertinus Nij Loff.

83- Mota-Santos, T.A., Tavares, C.A. P., Gazzinelli, G. and Pellegrino, J. (1977):

Immunosuppression mediated by adult worms in chronic Schistosomiasis mansoni. Am. J. Trop. Med. Hyg., 26 (4): 727-731.

84- Nakane P. and Pierce G. (1966):

Enzyme labeled antibodies: A. preparation and application for the localization of antigens. J. Histochem. Cytochem; 14: 929.

85- Nathan, C.F., Murray, H.W. and Wiebs, E. (1983):

Identification of interferon as the lymphokine that activates human macrophages oxidative metabolism and antimicrobial activity J. Exp. Med., 158: 670-689.

86- Owen J. and Ritter M. (1969):

Tissue interaction in the development of the lymphocytes.
J. Exp. Med; 129:431.

87- Owen J. and Raffé M. (1970):

Studies on the differentiation of thymus derived Lymphocytes.
J. Exp. Med; 132:216.

88- Pelley, R.P. and Warren, K.S. (1978):

Immunoregulation in chronic infectious diseases.
J. Investigative Dermat., 71(1): 49-55.

89- Phillips, S.M., Roid, W.A., Doughty, B.T. and Bently, A.C. (1980):

The immunogenic modulation of morbidity in schistosomiasis. Am. J. Trop. Med. Hyg., 29 (5): 820-831.

90- Pichler, W., Lum, L. and Broder, S. (1978):

Fc-receptors on human T Lymphocytes: Transition of Tg to Tu cells.
J. Immunol, 121:1540.

91- Popema, S., Bhan, A.K., Reinherz, E.L., Mc Cluskey, R.T. and Schlossma, S.F. (1981):

Distribution of T cell subsets in human lymph nodes. J. Exp. Med.,
153, 30-41.

92- Quian, Z.L. and Deelder, A.M. (1983):

Schistosoma Japonicum: Immunological characterization and
detection of circulating polysaccharide antigens from adult worms.
Exp. Parasitol. 55:168.

93- Raff, M. (1971):

T and B lymphocytes in mice studied by using antisera against
surface antigenic markers. Am. J. Pathol. 65:467.

94- Reinherz, E. and Schlossman, S. (1979):

Con A inducible suppression of MLC: Evidence for mediation by
the TH2 + T cell subset in men. J. Immunol., 122:1335.

95- Reinherz, E.L. and Schlossman, S.F. (1980 a):

The differentiation and function of human T Lymphocytes. Cell,
19:821.

96- Reinherz, E., Hussey, R. and Schlossman, S. (1980 a):

A monoclonal antibody blocking human T cell function.
Eur. J. Immunol: 10: 758.

97- Reinherz, E., Norimoto, C. and Penta, A. (1980 b):

Regulation of B cell Immunoglobulin secretion by functional subsets
of T Lymphocytes in man. Eur. J. Immunol, 10:570.

98- Reinherz, E., Morimoto, C. and Fitzgerald, K. (1982):

Heterogeneity of T4 + inducer T-cells defined by monoclonal
antibody that delineates two functional subpopulations. J. Immunol;
128:463.

99- Ritchie, A., Hargreave, T., Jawes, K. and Chisholm, G. (1984):

Intraepithelial lymphocytes in the normal epididymis. A mechanism
for tolerance to sperm auto antigens. Br. J. Urol., 56:79.

100- Robertson, M. (1985):

T cell receptor, the present state of recognition. Nature, 317:768.

101- Roitt, I. (1988):

The acquired immune response. In: Essential immunology
6: 82-100. 6th. Ed.
Blackwell scientific publications oxford. London. Edinburgh.

102- Roitt, I. (1991 a):

The basis of immunology. In: Essential Immunology, P. 4.

Roitt I. (Ed.). London, Edinburgh, Boston, Blackwell Scientific Publications.

103- Roitt I. (1991 b):

The acquired immune response. In: Essential Immunology, Roitt I.

(Ed.). Blackwell Scientific Publications; P. 105. London, Edinburgh and Boston,

104- Roitt, I., Brostoff, J. and Male, D. (1985):

Cells involved in the immune response P. 2 In: Immunology, Roitt,

I., Brostoff, J. and Male, D. (Eds.), Churchill Livingstone.

Edinburgh, London, New York.

105- Rosenberg, A., Mizuochi, T., Sharrow. S. and Singer, A. (1986):

Phenotype, Specificity and function of T cell subsets and T cell interactions involved in skin allograft. J. Exp. Med. 165: 1296.

106- Ross, M. H. and Reith, E.J. (1989):

Histology, A Text and Atlas. Harper International Edition PP. 544-

545. Harper and Row Publishers, J.B. Lippincott company.

New York, Cambridge, Philadelphia, London.

107- Sashenko, P., Vabler, L., Hardy, R. and Schlossman, S. (1980):

Characterization of a human B lymphocyte specific antigen. J.

Immunol, 125: 1678.

108- Scott, J.A. (1937):

The incidence and distribution of the human schistosomiasis in Egypt. Am. J. Hyg. 25:566.

109- Selby, W., Janossy, G., Goldstein, G. and Jewell, J. (1981):

T Lymphocyte subsets in human intestinal mucosa: The distribution and relationship to MHC-derived antigens. Clin. Exp. Immunol., 44:453.

110- Smith, J.H., Elwi, A., Kamel, I.A., Von Lichtenberg, F. (1975):

A quantitative postmortem analysis of urinary schistosomiasis in Egypt. II Evaluation and epidemiology. Am. J. Trop. Med. Hyg. 24:806.

111- Tadros, G. Abdel-Ghani, A.F. (1974):

Species of schistosomes found in man in Egypt. Egypt J. Bilh. 1:141.

112- Thomas, Y., Rogozinski, L. and Irigoyen, O. (1981):

Functional analysis of human T cell subsets defined by monoclonal antibodies: Induction of suppressor cells within the OKT4⁺ populations. J. Exp. Med; 54:459.

- 113- Vadas, M., Butterworth, A.E., Sherry, B., Dessein, A., Hogen, N., Bout, D. and David, J.R. (1980):**
Interactions between human eosinophils and schistosomule of *schistosoma mansoni*. Stable and irreversible antibody dependent adherence. *J. Immunol.* 124:1441.
- 114- Von Lichtenberg, F., Edington, G.M., and Nwabuebo, L. (1971):**
I-Pathologic effects of schistosomiasis in Ibadan, western state of Nigeria. II. Pathogenesis of lesions of the bladder and ureter. *Am. J. Trop. Med. Hyg.* 20:244.
- 115- Von Lichtenberg, F., Erickson, D.G., and Sadun, E.H. (1973):**
Comparative histopathology of the schistosomal granulomas in the Hamster. *Am. J. Pathol.* 72:149.
- 116- Warren, K.S. and Domingo, E.D. (1970):**
Granuloma found around *Schist. mansoni*, *S. heamatobium* and *S. Japonicum* eggs. size, rate of development, cellular composition, cross reactivity and rate of egg destruction. *Am. J. Trop. Med. Hyg.*, 19:292.
- 117- Weir, H.M., Wasif, I.M., Hassan, F.R., Attia, S.D.M., Kader, M.A. (1952):**
An evaluation of health and sanitation in Egyptian villages. *J. Egypt Publ. Health Ass.* 29:55.

118- Weissman, I., Warnke, R. and Butcher, E. (1978):

The lymphoid system: Its normal architecture and the potential for understanding the system through the study of lymphoproliferative diseases. Hum. Pathol. 9:25.

119- Yachie, A., Miyawaki, T. and Yokoi, T. (1982):

Ia positive cells generated by PWM-stimulation within OKT₄⁺ subset interact with OKT₈⁺ cells for inducing active suppression on B cell differentiation in vitro. J. Immunol; 129:103.