

REFERENCES

- Abd EL - Wahab . M .M ., Strick and G.T., El Sahly , A., Ahmed , G., Zakaria , S., El - Kady , N. and Mahmoud , S., (1980) : a *Schistosomiasis mansoni* in an Egyptian village in the Nile . "
- Abd El AZim, A . A . EL shawarby , L-A ., Ibrahim , A .S and Rafik , M.M . (1987) ; Principles of immunology . Ist . Ed. Clinical pathology Department , ain shams university .
- Abdou NI, sagawa A, pascuel E, hebert J, sadeghees (1976)
Suppressor T,cell abnormality in systemic lupus erythematosus. Clin . Immunol . Immunopathology : 6 : 192 - 99.
- Abe K, Kurata T, shikata T 1989 Non A, non - B hepatitis visualization of virus - like particles from chimpanzee and human sera . Arch virol 104 : 351 - 355
- Acits , GC , Mieli - vergani G, portmann B, Eddlesto Alwf , Davis M, williams R (1983) lymphocyte cytotoxicity to autologous hepatocytes in alcoholic Liver disease , liver : 3 8 - 12 .

References

- Aikawa , T., Sairenji , H ., furtura , S ., Kiyosawak , skikata , T.,
Imia , M., Miyakawa , y ., yanasey , Mayami , M., (1978) :
Scro conversion from Hepatitis B Artigen to any - HBe in
Acute HBV infection , " N . Eng ., T . Med , . 298 , 439 .
- Alder Shvile J. , Dietrichson , o ., Skinhoj , P., Kryger , P.,
Methiesen, L.R. anr the Copenhagen hepatitis Acuta
programm, (1981) : Anti- HBC of Ig M -class , HBEAg and
Anti- HBe in Acute and chronic hepatitis B. Liver ,"1 ,
290.
- Alder Shvile , J., Dietrichson ,o., Skinhoj ,p., Nielson , J.o. and
copenhagen hepatitis Acuta programme , 1982) : a
chronic persistent Hepatitis serological classification and
Meaning of HBe system hepatolgy ."2 ,243.
- Alder Shvile ,j, frosner, G.C. , Nielson, J.o. ,Hardt, F. ,
Deinhardt, F., Skinhoj , P . and the copenhagen hepatitis
Acuta programme (1980 a) : " Hepatitis :, B Antigen and
antibody Measured by Radio - immune Assay in Acute
hepatitis B surface Antigen carries , " J. infect . dis . 142,
18.
- Alexander , G.J.M., Nouri ,K., Hegarty ,J., Eddleston A.L.W.F and
william ,R., (1982) : Relationship of T- cell subsets to
suppressor cell function in chronic liver Disease , :GUT
,23, A 467.

- Alexander GJM, Nouri - Aria KT, Hegarty et al., (1983)
contrasting relation between suppressor cell function
and suppressor cell number in chronic liver disease,
lancet : 1:1291 - 3 .
- Allison AC, Denman AM, Barnes RD (1971) cooperating and
controlling function of thymus-derived lymphocytes in
relation to auto immunity . Lancet 2: 135 - 140
- Allison JP & Lanier LL (1987) : structure , function and serology
of the T cell antigen receptor complex . Annue , Rev.
immunol. 5:503- 540
- Alter H J, Purcell RH, Shinn JW et al 1989 Detection of antibody
to hepatitis C Virus in prospectively followed transfusion
recipients with acute and chronic non-A non-B hepatitis
N Engl J Med 321 : 1494 - 1500
- Alter HJ, Purcell R H, Holland PV et al 1978 transmissible
agent in non-A, non-B hepatitis . lancet 1 : 459 - 463 .
- Alter MJ, Sampliner RE (1989) Hepatitis C. and miles to go
before we sleep. N . Engl . J Med 321:1538 - 1540
(Editorial)

- Angeli P, Gatta A , Caregara L e al . Hypophosphatemia and renal tubular dysfunction in alcoholics : are they related to liver function impairment ? Gastroenterology 1991 : 100-502
- Anthony , p. p. : Ishak , K.G., Nayak , N.C ; Poulsen , H.E.; Scheuer , P.J. and Sobin , L.H (1977) : the morphology of cirrhosis . definition, nomenclature and classification . Bull of W.H.O, 55,521 - 540.
- Anthony , p.p; Ishak , K.G.; Nayak , N.c.; Poulsen, H.E.; Scheuer , P.J. and Sobin , L.H. (1978) : The morphology of cirrhosis .J. clinic-path , - 31, 395 - 414
- Arabi .M. A., Nouri Aria . K.t. Alexander, G.J.M. Eddleston, A.L.W.F & Williams .R. (1985): concanaval : in A induced suppression of lymphocyte proliferation in chronic liver disease. A study of suppressor and responder population autologous and allogenic system J, clin . lab. immunol 18,151
- Astaldi , G.C.B, Janssen , M.C. and Oosterhaf , F., (1980) : "Hepatic Endothelial culture supernatant (HECS) : Growth factor for hybridomas : " j. immunol . 1259-1411.

References

- Atta , A. : Hunter , 5. ; El Badrawy , N. and shoker , Z.(1977) :
Hepatitis associated antigen in decompansated bilharzial
liver diseare J . Egypt . Med. Ass. 60 , 581 - 590
- Ayad , N., 1974 : A short Review of the Epidemiology of
schistosomiasis in Africa , Egypt J Bilharz. 1 : 9 - 27.
- Baker , p.j.. (1975) : "Homeastatic control of Antibody
Responses : a Model Based on the Recognition of cell
Associated Antibody by Regulatory T cell, "
Transplantation Review , 26:P. 3-20
- Ballieux RE, Heijnen CJ, Vytdehaag F , et at (1979) Regulation
of B cell activity in man : role of T cells .Immune . Rev .
45 : 3 - 39
- Bamber M, Murray A, Arborgh BAM et al., (1981) short
incubation non-A non-B hepatitis transmitted by Factor
(VIII) concentrates in patients with congenital
coagulation disorders. Gut 22 : 854 - 859.
- Barnaba , V. , Musca , C and cordova, M.,(1973): "Relationship
between T cell subsets and suppression cell Activity in
chronic Hepatitis B virus (HBV) infection , " clin. EXP
immunol , 53:281 - 288
- Barnal - Netto , M . , Hofstetter , M., cheever , A . W . , and
ottesen . A . (1983) : specificity of antibody and cellular
immune rerponses in human schistosomiasis . AM . J .
Trop Med . Hyg - , 32 (1) : 106 -113 .

- Bassily , S. , Higashi G.I. , Farid , Z . and williams, R.E (1972) :
J.Trop. Med . and Hyg . 75 : 73.
- Bentwich, Z. , 5. D. Douglas , F.p. siegal and H.G. Kunel , (1973)
: " Human lymphocyte sheep Erythrocyte Rosette
Formation , Some characteristics of the interaction,
"Clin. immunol . immunopathol, 1: 511 - 522
- Berg P.A. KleinR. immunology of primary biliary cirrhosis
(Review) . Baillieres clinical Gasrtroenterology. 1(3) :
675 - 706 , 1987 Jul.
- Berman M, Alther Hj, ishakkg et al(1979) the chronic sequelae
of non, A- non-B hepatitis Ann intern Med 91:1-6.
- Beverly P.C.L., woody , J., Dunkley , M, and Feld mann , M. ,
(1976) : " Separation of suppressor and Killer T cells by
surface phenotype , " Nature 262 : 495 - 497 .
- Boros , D . L . , pelly and warren . K. s. , (1975): "Spontaneous
Modulation of Granulomatous Hypersensitivity in
schistosoma monsoni , " J. "immunol 114 : 1437.
- Boyer T D, zia P,Reynolds TB (1979) Effect of indo methacin
and prostaglandin A on renal function and plasma renin
activity in alcoholic liver disease : G.E 77 : 215 - 22

- Bradley DW, Knawczy nski K, Ebert Jw et al 1990 parenterally transmitted non A non B hepatitis : virus specific Antibody response patterns in hepatitis c virus - infected chimpanzees . Gastroenterology 99: 1054 - 1060
- Brook D . A , Beckmann, Bradley, J . and zola , H . , (1980) : " Human lymphocyte Markers Defined by Antibodies Derived from Somatic cell hydrids . I.A specific for human B lymphocytes , " Clin . Exp . immunol , 39,477.
- Bruix J, Barrera J M, calvetx et al (1989) : prevalence antibodies to hepatitis c virus in spanish patients with hepatocellular carcinoma and hepatitis cirrhosis . Lancet ? : 1004 - 1006 .
- Cagnalla L, Tabacchi P,pasqualis et al., (1982) T- cell subset alteration in idiopathic glomerulo nephritis . clin . Exp . immunol . 50 : 70 - 76 .
- Cappele , R. , De cuyper, F, and Van Beers , D. Toppet , M . and candvanel, S ., (1977) : " early Diagnosis of hepatitis B by Dane partical assacioted DNA polymerase of Assay . " " J. Gen . Virol . 36 : 217 .
- Capron . A., and Bssaint, J.P., (1982) : " Schistosoma as a potential Source of immunopharmacological Agent, a clin immunol . Allergy , 2, 613 .

- Chedid A, Mendenhall cl , VA Cooperative Study 275 . cell - mediated immunity in alcoholic liver disease . Prog, clin Biol Ref 1990 : 325 : 321-332 .
- Chisori , F.V. and Edgington , T.S., (1974) : " Human T-lymphocyte (E) Rosette function , I.A process Modulated by intracellular cyclic A.M.P., " J. Exp . Med . 140 : 1122-1126 .
- Choo O,L, Richman KH, Han H et al 1991), Genetic Organization and diversity of the hepatitis C Virus proc Natl A cad Sci U S A 88 : 2415 - 2455 .
- Chu CM . Liaw yF . Peripheral T. cell Subsets in asymptomatic hepatitis B.Virus cerriers . cellular immunology . 98(2) : 533-7 , 1986 April .
- Claman , H.N., (1972) : " Corticosteroid and lymphoid cells, "New England Journal of Medicine, 287 : 388 . 397 .
- Cochrance A. M. G., Thomson , A. D. , Moussouros.A., Eddlesion , L.W.F and williams , R., (1976) : " Antibody dependent cell Mediated (T-cell) cytotoxicity Against isolated Hepatocytes in Chronic Active Hepatitis , " I : 441-446 .
- Colley , Dig (1975) : immunu responses to a Souble Schistosomal egg antigen preparation during Chronic Primary infection with Schistosoma mansoni . J. immunol . 115 - 150 .

- Czaja , A.J., (1979) : " Serologic Markers of Hepatitis A and B in Acute and chronic liver disease " Mayo . Clin . Proc . 54: 721 , Quoted from Ibrahim , M.S.A., viral Hepatitis in infancy and Childhood , " M.SC. Essay Pediatric Ain Shams University , Cairo, 1984 .
- Dane , DiS., Cameron , C.H . and Briggus , M., (1970) : " Virus like particles in Serum of Patients with Australia - Antigen Associated Hepatitis , lancet . I , 695 .
- Deinhardt, F. and Gust , I.D, (1982) : " Viral hepatitis " . Bull , W.H.O , 60,601 .
- Demeo An, Andersen BR (1972) Defective chemotaxis associated with a Serum Inhibitor in cirrhotic patients . N.Engl. L. Med . 268- 635 - 40 .
- Dienstag H (1990) Non A-non B hepatitis , I Recognition , Epidemiology , and Clinical features . Gastroenterology 85; 439 - 462 .
- Doedhar , K.P. and Schever, D.S., (1975) : " orciene Staining of Hepatitis B Antigen in Parafin Section of liver Biopsies , " J . clin . Path . 28 , 66 .

- Dominge. E.O. and warren . K.S. (1968a) : endogenous desensitization . Changing host granulomatous response to Schistosoma eggs at different stages of infection with Schistosoma mansoni Am .J. path . 52 , 369.
- Douglas , S.D., (1979) . " Human Lymphocytes Morphologic Biochemical and immunologic Significance; " Int , Rev. Exp . Pathol 10 : 41 .
- Dudely , F. J., o'shea , M.J. and Aidukiewicz, A ., (1973) : " Serum Autoantibodies and immunoglobulins in Hepatitis - Associated Antigen (HAA) Positive and Negative liver Disease , " Gut , 14 , 360 .
- Dudley . F.J. Fox, R. A. and Sherlock , s. (1972) : cellular immunity and Hepatitis associated antigen liver Disease. lancet . 1. 723 - 726 .
- Eddleston Alwf, williams R. (1974): Inadequate Response to HBSAg or suppressor T- cell defects in the development of chronic active hepatitis, lancet 2: 1543-1545.
- Eddleton , A . L . W. F . , Mondelli , M. , Vergani , G . and Williams , R . , (1982) : " Lymphocytes cytotoxicity to Autolysed Hepatocytes in chronic Hepatitis B Virus infection Hepatology , 2 : 1225 - 1275.

- Edwards . A.J., Hones , V.E., Smithers , s., Rand . Terry , R.J.
(1967): The occurrence and properties of Regins in
Rhesus mankeys infected with *Schistosoma mansoni* Am .
Trop . Med . Parasit . 61: 280 .
- Eggink , Houthoff , H. J and Huitema , S. , (1982) : "cellular and
Humoral immune Reaction in chronic Active liver Disease
I. Lymphocyte Subsets in liver Biopsies of patients with
untreated idiopathic Auto immune hepatitis. chronic
Active B and Primary biliary cirrhosis, " clin . Exp .
immunol , 50 : 17 - 24 .
- Ekladios , E.M., Higash : G. I., Ageeb , M., El Ghorab , N.M. and
Gheith , H. , (1978) : Suppression of T. lymphocytes in
chronic Bilharziasis , " Proc . int . Conf . Schisto . , 609 -
614 , Cairo .
- EL AKKAD , A. A. (1973) : "viral Hepatitis symp" 12:45 cited by
Mohamed Nawar 1982 : "in study on cell Mediated and
Humoral Immunity in Pure and Mixed bilharzial liver
affection" A . D . Thesis . Tropical Medicine , Ain shams ,
university , Cairo .
- El Razicky, Shaker , Z. A . , Mahmoud, A. H. , Aboul El Ezz , F .
M. and Mousa, A . H. , (1974) : immunoglobulins in
Schistosomiasis , " Eyypt . j . Bilh . l, No . 2, pp 287, 295.

- EL- Zayadi , A., Massoud, A., El FeKufach , E. and Massoud , M. F.
(1984) : prevelence of Hepatitis B surface antigen
among urinary Schistosomal patients receiving frequent
Parentral anti Schistosomal therapy . J. Egypt . Society .
para . 14 : 1 , 61 .
- El- Raziky EH, zakaria S, El- kalouby A, shaker ZA,Ata AA and El-
Battawayy (1979) : plevelance of HBSAg schistoso miasis.
Egypt J. Bilh. NO (1-2) 1-10.
- Elwi , A.M. and Attia,O, (1962) : Pathology of hepatosplenic
bilharsiasis . Ist inter. Symp . On bilhar . part H, 93 - 98.
- Erfan , M.; Hashem , M. ; El Mofty, A. ; Mousa , A . H. and
Khattab . M. (1957) : clinicopathological study of bilharzial
cases , with hepatosplenic affection Gaz . Kasr El Aini .
Fac . Med . cairo 23 , 1 - 13 .
- Fauci ,A.s., (1975): " Mechanisns of corticosteroid Action on
lymphocyte Subpopulation. I Redestribution of circulating
T and B lymphocytes to the Bone Marrow, : Immunology,
28 : 669 - 680 .
- Feighery C, Greally LF, weir DG (1980) Mitogen responsiveness
in viral hepatitis and chronic active hepatitis : the role of
reversible Suppressive influence . Gut 21 : 738 - 44.

- Feldman, M. , Beverley , P.C.L. , Woody , J. and Mc Kenzie I.F.C. ,
(1977) : T-interactions in the induction of Suppressor of
membrane phenotype of precursor and Amplifier cell , "
Jounral of Exp . Med ., 145 : 793 - 801 .
- Forci, P, Artel HJ, wong D et al 1991) . A long- tem study of
Hepatitis C virus replication non -A non -B hepatitis N
Engl j med 325: 98-104
- Francis , V. , chisari , John , A . , Roulen berg , Milan Fiala and
Thomas, S. , Edginbergton(1977) : " Extrinsic
Modulation of Human T lymphocyte Rosette Function
Associated with prolonged Hepatocellular injures after
viral Hepatitis , " the Journal of clinical , investig 59,
134-142.
- Fre , Thoen , J . and Doploug , J. H., (1882) . Detection of T-
limphocyte subpopulation in the peripheral Arthritis
using monoclonal antibodies secand J - immunol 15, 221
- 226 .
- Fujimeto , J. , Levy . S. Levy , R, (1983) : spontecnous realese
of the leu - 2 (T8) molecule from human T cells. J. exp .
Med . 159, 752 .

- Fukui K. Kokumu S, Murakami H, Kwiki J, yoshioka K, Sakamoto N, increased peripheral blood Ia positive T cell and their effect on autologus mixed lymphocyte reaction in chronic active liver disease . Clin Exp immunol 1984 ; 58 : 90 - 96 .
- Gall, E. A. (1960) : post hepatic, post necrotic and nutritional cirrhosis . A pathologic , Am . J. path . 36 , 241 - 271 .
- Gavilance , F. , Gonzalez - Ros , J. M. and peterson , D. L. , (1982) : " structural of HBSAg , characterization of the lipid components and their Association with the Viral proteins, : J . Biol . chem, 257 , 7770 .
- Gerber M A and popper , H. , 1972) : Relation between canals and portal tracts in alcoholic hepatitis A, contribution to pathogenesis of cirrhosis in alcoholics path , 3, 199 - 207 .
- Gerber, M. A ; orr, W. , Denk , H. ; Schaffner , F. and popper , H. (1973) : Hepatocellular hyalin in cholestasis and cirrhosis its diagnostic Significance . Gastroenterol . 64, 89 - 98.
- Gershwin , M.E , COPPEL. R.L , Mackay , T. R. (1988) : primary biliary cirrhosis and mitochondrial autoantigen , Insights, mol . Biol 8. 147 .

- Ghanem , M. H. , Guirgis , F. K. , EL Sawy , M. , Khalil , S. and Abukhir , F . , (1973) : " Serum immunoglobulin level in bilharzial (Schistosomal) Hepatic fibrosis and Effect of intestinal . Antibodies, " Alex . Med . J. , 19 (4) : 258 .
- Ghanem , M. H. , Sodek, A. M. , Ismail A.M. , El - sawy , M. . Aboul kheir and Soliman , A. M. , (1978) : Ponc . Int . Conf . Schisto . Cairo , 2. 649 - 651 .
- Goldin RD . cattle S, Boylston A W . IgA deposition in alcoholic liver disease.J clin pathol 1486: 39:1181-1185.
- Goodwin J. S, Bankhurst AD. Murphy SA et al (1978) : partial reversal of the cellular immune defect in common Variable immune - deficiency with indomethacin .J. . clin . Lab . immunol . 1 : 147 : 200 .
- Goodwin J. S. Messner RP, Bankhurst AD et al , (1977) : prostaglandin - producing Suppressor in Hodgkin's disease . N - Eng . S. Med . 297 : 963 - 8 .
- Goodwin JS, De Horatius R, Israel H et al . (1979) : Suppressor cell function in Sarcoidosis . Ann . Intern . Med . 90 : 169 - 73 .
- Greg H, Bette F, chastenay et al (1982) : Studies on lymphocyte hyporesponsiveness in cirrhosis . Gastro enterology 82 : 002 - 12 .

References

- Guimereas RX(1973 , thesis , Escola paulistea de Medicine , sea paule, Brazil , Gited by Allison et al (1974) Bull , W.H.O Vol 15,553-589
- Hadziyannis. s., Vissoulis,c., Moussouros . A.(1972): cytoplsmic localization of Au Ag in the liver. lanet , L , 976 - 979.
- Han J. H. shyamala V, Richman K H et al (1991) : charact erization of the terminal regions of hepatitis C viral RNA : idenitification of conserved sequences in the 5-untranslatied region and poly (A) tails the 3, end proc - Natl Acad sci USA 88 : 1711 - 1715 .
- Hashem, M. (1947) : The aetiology and pathogenesis of the endemic form of Hepatosplenomeglay . J . Royl. Egypt Med. Ass. 30. 1-9.
- Hassner A , Kletter y, Jedvab M et al (1979) : impared monocyte function in liver cirrhosis . Lancet 1 : 329 : 30
- Higashi , G.i., and Aboul - Enein, M.E. (1981) : Diagnosis and Epidemiology of schistosma Haematobium infection in Egypt. P. 47 - 69 in M.N. El Bolkainy and E.W. chu, eds., Detection of Bladder cancer Associated with schistosomiosis. the National concer institute , cairo univesity cairo.

References

- Hijikata M, Kato N, Ootsuyama Y et al (1991a) Hyper variable regions in the putative glycoprotein of hepatitis C virus . Biochem Biophys Res Commun 175 : 220 - 228 .
- Hijikata M, Kato N, Ootsuyama Y et al (1991b) Gene mapping of the putative structural region of hepatitis C virus genome by in vitro processing analysis . Proc Natl Acad Sci USA 88 : 5547 - 5551.
- Hirschman , S., Gerber , M. and Garjinkel , E., (1975) : observation in the Core particle of HBV and the DNA polymerase Associated with HB Antigen , " Am . J . Med . Sci 270 - 141.
- Hodgson . H.J. and Thompson . R.P. (1976) : cirrhosis in south london , Lancet ii , 118 - 121.
- Hodgson H.J.F. Wands J.R.... Isselbacher H.J. Alteration in suppressor cell activity in chronic active hepatitis . Proc. Natl-Acad. Sci USA 1978 : 6: 1549 - 53
- Holdstock GE , Leslie B , Tanna AB et al (1980) Monocyte bacterial killing and chemotaxis in cirrhosis , Gastroenterology 79 : 1026.
- Hoofnagle , J . H, Dushiko . G.M. , Seeff , L.B and Jones , E . A (1981) : " Sero conversion from HB , Ag to Antibody in chronic type B Hepatitis , " Ann Intern, Med . 94 ; 744 .

- Hoofnagle , J . H, seeff , L.B., Bales , Z.B., Zimmerman , H.J. and the veterans (1978) : " Administration Hepatitis cooperative study Group , (1978) , Type B Hepatitis. After Transfusion with blood containing Antibody to Hepatitis B core Antigen . " N. Eng. J med . 298 , 1379.
- Hoofnagle , J. H. , Gerety , R. J.-and Baker , L. F. , (1975) : " Antibody to hepatitis B core antigen , " Am . J . med . sci 270 - 279 .
- Hoofnagle , J.H., Gerety , R.J., Nily , and Barker , L.F.,(1974) : " Antibody to Hepatitis B Virus (HBV) in core man , " to Lancet , 2 : 869 - 873 .
- Hotchin , J., (1971) : "Virus cell surface and self , " Am . J . clin . Pathol ., 56 : 333 - 349.
- International group Alcoholic liver disease : morphological manifestation Lancet 1981; 707.
- Jakobovits Aw, Margan my , sherlocks . Hepatistis siderosis in alcoholics . Dig. Dis. Sci 1979. 24 : 305.
- Jawetz ,E ,Melnick , J . L and Adelberg E.A. (1989) : Medical Microbiology . 8 ed long medical publication.

- Jin , y., J. w. K. shih, and I. Merkower. 1988. Human T cell response to the surface antigen of hepatitis B Virus (HBSag) J.Exp. Med. 168 : 293.
- Jomes , S.p, Hoofnagle, J.N, streber, w & Jones, E.A. (1983) : Primary biliary cirrhosis : a model of autoimmune disease. Ann. intern med. 99. 500.
- Jones , T. B and kaplan , Am., (1977) : immunologic Tolerance to HGG in Mice : 1 Suppression of the HCC Response in normal Mice with spleen cells or a spleen cell lysate from Tolerance Mic, J. immunol, 118 : 1880 - 1885.
- Kagan . L.C (1968) : Seralogic diagnosis of schistosomiasis Bull . N. Y. Acad . Med . 44 : 262.
- Kajima , M., ud o.k., Takahashi . y., yosh , Zawa , H., Tsuda. F., Ltohy, Miyakawa , y. and Mayumi, M. , (1977): "correlation between Titer of Antibody to Hepatitis B core Antigen and presence of viral Antigens in the liver Gastroenterology, 73 : 664 - 667.
- Kakumu , S., yata , K. and kashio, T. (1980) : "immunoregulatory T - cell function in Acute and chronic liver disease , "Gastroenterology, 79: 1122 - 1129 .
- Kakumus S , Leavy CM. lymphocyte cytotoxicity in Alcoholic hepatitis Gastroenterology 1977 ; 72 : 594 - 597.

- Kamal , K. A. and Higash : , G.I., (1982) : "Suppression of Mitagen induced lymphocyte Transformation by plasma from patients with Hepatosplenic schistosomiasis mansoni : , the Role of immune complex, " *parasite immunol* , 4,283-298.
- Kaplan , M. M. (1987) primary biliary cirrhosis . *N. Engl. J. med.* 310 , 521.
- Karlsson - Parra A, Totter men TH. Nyberg A, Mendel- Hartvigl , Loof L, Forsumu. immunological effects of cyclosporin in primary biliary cirrhosis : suppression of activated T cell and autoantibody level . *Arch Allergy Appl-immunol* 1984 ; 58 : 90 - 96.
- Kater L, Jobsis Ac, Baart de la faille - Kuyper EH, Vogten AJM. Grijm R. Alcoholic hepatitis disease : specificity of IJ A deposit in liver . *Am J clin pathol* 1979 ; 71 : 51-57.
- Kawanishi : H, Tawssolie H, Mac Dermatt R P, sheagren JN, (1981) : impaired concanavalin A inducible suppressor T-cell activity in active alcoholic liver diseases . *G E.* 80:510-17 .
- Kersey, J.H , Hom , D.J and Buttrick, P., (1974) : "Human T lymphocyte Receptors for sheep Erythrocytes, condition for Binding including inhibition by cytochalasin," *B.J. immunol.* 112 : 862-865.

- Khalil, H.M., Makled. M. Kh, El Myssiry, A.G., Makarem, s.s., Maddison, s., sedky, H.A and kikry, A.A (1983) : Markers and sub populations of T lymphocytes in schistosomiasis.
- Kishimoto, T. and ishizaka, K., (1975) : "Regulation of Antibody Response in vitro IX, induction of secondary Anti- Hapten IGg Antibody Response by Anti-immunoglobulin and Enhancing soluble Factor , "J.immunol. 114, 585 - 591.
- Kiyosawa K, sodeyamat. Tanaka E et al (1990) interrelationship of Blood Transfusion, non -A, non -B hepatitis and hepatocellular carcinoma : analysis by detection of antibody to hepatitis C virus. Hepatology 12: 671 - 675.
- Knutton , S. and pasternak, C.A., (1979) : " The mechanism of cell - cell fusion, " Trend Biochem Sc.,
- Kohler , G. and Milstein, C., (1975) : " continuous cultures of fused cells secreting Antibody of predefined specificity. Nature (london) 256 , 495.
- Koretz R.I, stone O, Gitnick G L (1980) : The long term course of non-A, non - B post - transfusion hepatitis. Gastroenterology 79:893 - 898.
- Krawczynski K, Beach MJ, Bradley Dw et al., (1992) : Hepatitis C virus antigen in hepatocytosimmunomorphologic detection and identification. Gastroenterology 103 : 622 - 629 .

- Krawitt El, Albertini RJ, webb DD et al., (1981) immune regulation and HLA types in chronic hepatitis. *Hepatology* 1: 300 - 6.
- Krugman, S., Hoofnagle, J.H, Gerety, R.J., Kaplan, P.M. and Gerin, J.L., (1974) : " viral Hepatitis type B: DNA polymerase Activity and Antibody to HBc Ag, N, " *Eng - J. Med* . 290, 1331.
- Krugman, S., S., over by, L.R, Mushahwari, J.K, Ling, c.M, Forsner, G. and Dienhardt, F (1979) : " Viral Hepatitis type E : studies on Natural Histology and prevention Re - Examination " *N. Eng. J. Med*, 300 - 107 .
- Lanier L., (1991) : Cells of the immune response in : Basic and clinical immunology. Stites DP and Terr Al(ed)-7th ed Appliton, Lange . 6 :61.
- Lay, W.H., Mendes, N.F., Bianco, and Nussen Zweig, V., (1971) : Binding of sheep Red blood cells to a large population of Human lymphocytes " *Nature* , 230.
- Le Bouvier, G. L (1971) : " The heterogenicity of Australia Antigen . " *J . infect Dis* . 123 : 671 - 675 .
- Lee S.D., Hawang S-J, Lu R-H et al., (1991) Antibodies to hepatitis C virus in prospectively followed patients with posttransfusion hepatitis . *J. infect Dis*. 163 : 1354-1357.

References

- Levreo M, Tagger A, Balsano C, et al 1991) . Antibodies to Hepatitis C , Virus in patients with hepatocellular carcinoma J Hepatol 12 : 60 - 63 .
- Lim SG., Lee CA, Charman H., et al., (1991) Hepatitis C. antibody assay in a longitudinal study Taiwan , a hepatitis prevelant area , Br.J.Haematol. 78 : 398-402
- Lohmeyer , J. , Rieber , E. P , Frencht , H. , Johanson , J. , Hadam . M. , Riethmuller , G. A . , (1981) : " Subset of Human Natural Killer cells Isolated and characterized by Monoclonal Antibodies , " Eur.). imunol . 11, 947 .
- Lohr H. fleischer B. Michel G. Rossals . Hess G . Meyer Zum Buschen Felde KH. Manns M. Hepatitis C virus antibody Secration in vitro by peripheral blood lymphocytes . Journal of Hepatology . 14 (1) : 112 - 7 , 1992 Jan .
- Magnius , L. O . and E spark , J. A. , (1972) : " New Specificities in Australia antigen positive sera Distinct from the le Bouvier Determints, " J . immunol 107 : 1017 - 1021 .
- Markenson JA, Lockshin MD, Fulzesil Let al (1980) Suppressor monocyte in patients with SLE . J. lap . clin . Med . 95 : 40 - 8 .

- Menden hall C.L, Seeff L, Diehl AM et al., (1991) : Antibodies to hepatitis B virus and hepatitis C virus in alcoholic hepatitis and cirrhosis their prevalence and clinical relevance . Hepatology 14 : 581 - 589 .
- Menden hall CL , VA cooperative Study on Alcoholic Hepatitis . Alcoholic hepatitis . clin Gastroenterol (1981) : 10 : 417 - 441 .
- Meuer S C, Moebius U, Manns M, Dienes H, Ramadan G, Hess G, Hercend T, et al clonal analysis of Human T lymphocytes infiltrating the liver in chronic active hepatitis B and primary biliary cirrhosis . Eur J. immunol 1988 ; 18 : 1447 - 1452 .
- Mihas AA , Bull DM, Davidson cs . cell mediated immunity to liver in patients with alcoholic hepatitis , Lancet 1975: 1: 951 - 954 .
- Miller , J . : Smith , M.G : Reed , W . D , and Eddleston , A.L (1972) : cell mediated immunity to a liver specific antigen in Patient with chronic active hepatitis and primary biliary cirrhosis . Lancet !! . 246 .
- Miller, M. H. , urowitz . M.B , Gladman , D. D. and Blendis, (1984) : " The liver in systemic Lupus erythematous , " Q . J. Med . 53 . 401 - 410 .

- Mitchison , N. A ., Rajewsky , K. and Taylor , R. B. , (1970) : " cooperation of Antigenic Determinants and of cells in the induction of Antibodies , " in : Sterz P . J and Riha, I: Development Aspects of Antibody Formation and Structure, Vol . U New Yourk , Academic press, inc . , pp . 547 - 561 .
- Mondelli M, Mieli - Vergani G, Alberti L, et al (1982) Specificity of T lymphocytes cytotoxicity to autologous hepatocyte in chronic hepatitis B V infection : evidance that T- cells are directed against HBV core antigen expressed on hepatocyle . J. (mmunal 129 : 227 - 78.
- Moretta , L. , Webb, S. R. , Grossi, C. E et al (1977) " functional Analysis of Two Human T cell Subpopulation : Help and Suppressor of B - cell Responses by T- cell Bearing Receptors for IgM or IgG. " J. EXP . Med . 146 : 184 - 200.
- Mousa , A. H (1974) . " Human Schistosomiasis (An African Health challange), Egypt , J . Bith . , I. No 1, 1- 7 .
- Nagaty , H.F. , Rifaat , M.A . and El Gindy , M. S. , (1971) : "Medical parasitology , " Test Book , Angle Egyptian Book Ship - ciro .
- Nash . , T. X cheever , A.W. , Ottesen , E.A and Cook , J. A. , (1982) : schistosoma infection in humans : prespectives and Recent Findings , " Ann , Int . Med . , 97: 740 - 754 .

- Neilsen , J. O., Reinicke , V. , Dietrichson, O. , (1973) : " immunological Studies of Australlia Antigen carriers with and without liver disease " Clin . Exp . Immunology . 15 : 9 - 16 .
- Nishihara , T. , (1983) : " intra Hepatic Distribution of T- cell and T - cell Subsets in cases with type B Chronic liver disease by peroxidase - labeled Antibody Method Using monoclonal Antibodies , Gastroenterol . J. , 18 : 320 - 329 .
- Nishioka K, watanabe J, Furuta S et al (1991) Antibody to the hepatitis C virus in active hepatitis and chronic liver disease in Japan . Liver 11: 65 - 70 .
- Nooman . Z. M. Khalil . M. , Nafeh , M., Elean . S. L., El - sharkawi - M. , Omar , A. M. Atta : S. M. and Reda. I . (1977) : Behavior of Hepatitis B antigen in bilharzial patients infected with HBS positive viral hepatitis . Egypt . J. Biol. 4,(149 - 87.
- Norkans , G. , Magnius , L . and Iwarson , S. , (1974) : "Receptros for immune Complexes on lymphocytes , " Adv . Immunol . 19 : 217 - 258 .
- Nouri Aria , K. T. , HEGARTY . J.E. , Neuber ger, J. , Eddleston , Al , W. F william , R, (1985) : in Vitro Studies on the mechanism of increased serum Igm level in Primary biliary cirrhosis . clin . exp immunol . 61 - 197 .

- Nouri Aria , K. T. , M. Lombard , R. Williams : Institute of liver Studies : High Serum level of CD8 antigen in primary biliary cirrhosis a possible cause of suppressor cell dysfunction . Clin . exp . Immunol (1991) 86, 140 - 144 .
- Nussenzweiy , V. , (1974) : a Receptors for immune Complexes on lymphocytes , " Adv . Immunol , 19 : 217 - 258 .
- O' Keefe . Sj, El - Zayadi AR, Carraher TE et al (1980) : Malnutrition and immune - incompetence in patients with liver disease . Lancet 2 : 615 - 17 .
- Ogato N, Alter HJ, Miller RH et al (1991) : Nucleotide Sequence and mutation rate of the H Strain of Hepatitis c Virus . proc Natl A cad sci USA . 88 : 3392 - 3396 .
- Okomoto H, Okade S, Sugiyama y et al (1990) The 5 - terminal Sequence of the Hepatitis C virus genome. JPN J Exp Med 60 : 167 - 177 .
- Pape, G. R. , Rieber , E.P, Eisenbug , J. and Hoofman, R. , (1933) : Involvement of the cytotoxic Suppressor Tcell Subset in liver tissue injury of patients with acute and chronic liver disease " Gastro enterology , 85 : 657- 62.
- Pares A, Barrea JM, Caballeria J et al 1990 Hepatitis C virus antibodies in chronic alcoholic patients : association with Severity of liver injury . Hepatology 12 : 1295 - 1299 .

- Patel A, Sherlock S, Dusheiko G et al (1991) : Clinical course and Histology Correlation in post - transfusion hepatitis C: The Royal Free Hospital experience Eur J Gastroenterol Hepatol 3 : 491 - 495 .
- Perrillo PP , Griffin R, De Schryver. Kerkmetz K et al alcoholic liver disease presenting with marked elevation of serum alkaline phosphatase . A combined clinical and Pathological Study . Am . J. dig . Dis : 1978, 1061.
- Pohjan Pelto . P, Tallgren M, Farkkila M et al (1991) : Low prevalence of hepatitis C Antibodies in chronic liver disease in Finland . Scand J infect Dis . 23 .139 - 142.
- Popper , H. and Scheffner , S. (1970) : Hepatic fibrosis. Correlation of biochemical and morphological investigation . Am . J. Med . 49 , 707 - 721 .
- Popper . H. (1977) : Pathologic aspects cirrhosis . A review, Am . J. Path . 87 . 227 - 264.
- Porella T, Hutteroth TH, Meyer Zum Buschenfelde K. H. cellular cytotoxicity against autologous hepatocytes in alcoholic liver disease . Liver 1984 : 4: 117 - 121 .

- Poulsen , H. and christoffersen , P . (1972) : Abnormal bile duct epithelium in chronic aggressive hepatitis and cirrhosis A review of morphology and clinical , biochemical and immunologic features . Path . 3, 217 - 225 .
- Raff , M. C . , Megson, N. J. J. T. and cooper , M. D., (1976) : "Early production of intracellular Igm B lymphocyte precursors in Mouse. "Nature , 259 , 224 - 226.
- Raff .M. C (1970) : " Role of Thymus Derived lymphocytes in the Secandary Humoral immune Response in Mice. Nature "226:1257 : 1258.
- Ram show. l. A. , Mckenzie, i.f.c., Bretcher . P.A. and Parish, C.R. (1977) : " Discrimination of suppressor T cells of Humoral and cell . mediated immunity by Anti- Ly and Anti- La . Sera , " cellular immunology , 31: 364- 369 .
- Ray , M.B. , Desmet, V. J. , Bradburne, A.F., Desmyter, J. , Fevery , J. and De Groote, J. , (1976) : " Differential Distribution of Hepatitis B Surface Antigen and Hepatitis B Core Antigen in the liver of Hepatitis B patients. " Gastroenterology , 71 :462- 469.
- Reed , W.D. . Eddleston , A.L.W.F. , Stern , R. B. , Williams . R. and Earl , P.M. , (1974) : " Exposure and immunity to virus in a liver unite . " Lancet, 1, 581 - 583.

Reilherz , E.L. , Schlossman , (1980a) : Regulation of the immune Response - Inducer and Suppressor T - lymphocyte Subset in Human Beings, " N. Engl. J. Med , 303. 370 - 73 .

Reinherz , E.L. , Kung , P.G. , goldstein , G. and Schlossman , S.F. (1979a) : Further characterization of Human inducer T- cell Subset defiend by monoclonal antibody . J. immunol . 123, 2894.

Reinherz, E.L. and chlossman, S.F (1980b) : " The Differentiation and Function of Human T lymphocytas cell , " 19 (April) 821 - 827.

Reinherz, E.L. , Kung . P. G. and Goldstein , S.F. , (1979) : Con A- inducible Suppression of MLC : Evidence for Mediation by the T H2 + T cell Subset in man , " Immunol , 122, 1335 .

Reitman S J Frankel. S.(1957) Am . J. clin . path. , 28, 27- 63 .

Robinson , W. S. , Lutwick , L. , (1976) : The Virus of Hepatitis type B , " Engl . J. Med . 295 : 1168 - 1175 .

Routhier G, Epstein O, Janossy G et al . (1980) Effects of cyclosporin A on Suppressor and inducer T- lymphocytes in primary biliary cirrhosis . Lancet 11: 1223 - 6 .

- Rubin, E . and popper , H. (1967) : The evalution of Human cirrhosis deduced form observation in Expermental animals . Med . 46, 163 - 183 .
- Rubin. ; Krus, S. and popper, H. (1962): pathogenesis of Postnecrotic cirrhosis in alcoholics. Arch. Path73, 288- 299.
- Sadun , E. H and gore, R. W .(1970) : Schistosoma mansoni and Haematobium , Homocytotropic reagen - like antibodies infection of man and experimental animal . Exper , parasitology . 28 . 435 .
- Sagnelli , E., vernace S.J. and paronetto , F. , (1978) : " Dane particles asociated HBCAg in patients with HBSAg positive chronic Hepatitis , " Gastroenterol . 75 , 864 .
- Sakai H, Nomato y, Arimori S (1979) Decrease of Ig A Specific Suppressor T - cell activity in patients with Ig A nephropathy . clin . Exp . immunol 38 : 234- 48 .
- Sander ME, Makgoba MW, Show S, Human naive and memory T cell : reinter pretation of helper inducer and Suppressor . inducer Subsets. immunol Today 1988 ; 9 : 195-198 .
- Sanders , S. , perrillo , R. P. , (1982) : Rossette imhibitory Factor T. lymphocyte Subpopulation Specificity and Potential immunoregulatory Role in B virus infection , " Hepatology , 2: 547 - 552 .

- Scheuer , P. J. (1970) : liver biopsy in the diagnosis of cirrhosis .
Gut. 11, 275 - 278 .
- Scheuer , P. J. (1980) : liver biopsy interpretation 3 rd . et al .,
London : Baillier Tindall .
- Scheure , P.J. (1974) : chronic hepatitis . & pathology of the
liver , Mac . Sween . R. N. ; Anthony , P.P . and Scherure ,
P.J. (eds) . P. 248 Churchill , Livingstone , London .
- Schoffnes , F. Pappas , H. (1982) clinical pathological relation in
primary biliary cirrhosis . in progress in liver Disease Vol. VII
. P . 529 . Grune Stratton , New York .
- Scott , J., Hodchouel , M. and Hery , c., (1983) : Detection
Hepatitis B virus DNA in Serum by a Simple Spot
Hybridization Technique : Comparison with Results for
other viral Markers , " Hepatology 3 . 279 - 284 .
- Scudeletti M, Indiveri F, Pierri I, Picciotto A, Ferrone S, T cells
from patients with chronic liver diseases : abnormalities in
PHA - induced expression of H.L class II antigen and in
autologous mixed lymphocyte reaction . cell immunol 1986:
102 : 227 - 233 .

- Sharon , J. , Morrison, S.L . and Kabat , E. A., (1979) : "Detection of specific Hybridomes clones by Reploca immuno Adsorption of Their Secreted Antibodies , " *proc . Noll . Acad . Sci . U. S. A*, 76, 1420 .
- Sherlock , S. , (1981) : " Diseases of the liver and biliary system " Blockwell Scientific Publications 6th . edit , PP. 270 .
- Sherlock , S. , (1985) : " Disease of the liver biliary System " Black well Scientfic publication . 7 th edid . pp. 250
- Shikata T., (1976) : primary liver Carcinoma and liver cirrhosis . & hepatocellular carcinoma, ed . OKuda, K . and peters , R.L. New york : John wiley . 4, P . 53 71 .
- Shimizu , M. , ohyama , M. , T akahashi , y. , udo , K., Kojima , M. , Kametani , M. , Tsuda , F. , Takai , E. , Mirakawa , y. and Mayumi , M. , (1983) : " immunoglobulin M Antibody Aganist HBCAg for the Diagnosis of Fulmnant type - B hepatitis , " *Gastroenterol* , 84 : 604 .
- Shinichi K, Kazuaki y , and Tomiji K,(1980) : immunoregulatory T- cell function in acute and chronic liver disease . *G. E* . 79 ; 613 - 619 .

- Shoeb , S.M . , Basmy , K. and Habib, A.A . , (1966) : "Significance of the presence of Schistosoma haematobium ova in Rectal Snips Taken from bilharzial cases, " J. Egypt . Med . Ass . , 49 - 582.
- Shoeb, S. M. , Maged , Z. , Massoud, A. , Massoud, M. , Abdel , Hamid , T. and Nawar , M. , (1983) : " study on cell Mediated and Humoral immunity in Schistosomal and Schistosomal postviral Hepatitis liver Affection . " the Sixth Annual Ain Shams Medical . Congress, 4 - 7, March .
- Sieckmann , Di G. , Asofsky, R. , Mosier , D.E. , Zitron , L.M. and paul , W.E. , (1978):" Activation of Mouse lymphocyte by Anti- immunoglobulin . I. Parameters of the Proliferative Response , J. Exp . Med . , 147 : 814- 829 .
- Siongok , T.K. , Mahmoud , A.A.F. , ouma, J.H., Warren, K.S. , Muller , A.S. , Handa , A.K and Houser , H.B. , (1976) : "Morbidity in Schistosomiasis mansoni in Relation to intensity of infection, " Study of Community in Machakos Kenya, Am . J. Trop. Hyg. , 25 : 273 - 284 .
- Smith & J. H and Lichtenberg F. von (1967) : The Hoepphpheromenon in Schistosomiasis 11. Histochemistry . Am. J. Path . 50 . 993 .

- Smithers , S. R. and Terry , R.Y. (1965) :Acquired immunity of Schistosomiasis . Parasitology 55 ; 701- 710 .
- Smithers , S. R. and terry . R. J., (1976) : " Resistance to Experimental infection with S. mansoni in Rhesus Monkeys Induced by the Transfer of Adull Woren , "Tran . R. Soc . Trop. Med Hyy. 61 : 517- 733.
- Sorrell MF, leevy C.M. lymphocyte transfarmation and alcoholic liver injury . Gastro entarology (1972) : 63 : 1020 - 1025 .
- Stahila , C. , Staehelin, T. and Miggiano, R. , (1980) : " High Frequencies of Antigen Specific Hybridomas Dependence on immunization parameter and prediction by Spleen cell analysis " J. immunol . Methods , 32, 297.
- Stites , D. D. Stabo , J. D. Funenbery , H.H and wells, V.V. (1984) : clinical and laboratory Method of detectings cellular immune function in basis and clinical immunology 5th edition lange Medical publication 366 .
- Stites . D, P, Terr, A. T, and parslow . T.G. (1994) T. lymphocyte + Natural Killer cell , cytokine , ch . 8. 9 P 99 - 101 , 106 Basis clinical immunology . 8 Th , ed long Medical publication .
- Stobo JD (1979) cirrhosis and Hypergammaglobulinemia Dig . Dis . Sci 24: 737 - 40 .

- Stone , W. D. , Islam , N.R. and paton , A. (1968) : The natural history of cirrhosis . Experience with on unselected group of Patients . J. Med . 37, 119 - 132.
- Suou , T. , CIVERIRA, M . P . , KANOF, MOREO - OTher, R. , Jones , E. A James . S. P (1989) Defective immunoregulation in PBC. CD4 + leu 8 + Tcells have abnormal activation and Suppressor cell Function in vitro . Hepatology , 10 . 408 .
- Tade ,T., Taniguchi ,M, David, C.S., (1976) : " properties of the Antigen specific suppressive T.cell factor in the Regulation of Antibody Response of the Mouse. IV. special subregion Assignment of the Gene (S) , that codes for the suppressive T.cell factor in the H-2 Histocompatibility" complex .J . of Experimental Medicin , 144 : 713 - 725 .
- Tanaka E, Kiyosawa K , sodeyame T et al (1991) significance of antibody to hepatitis C virus in Japanese patients with Viral hepatitis : relationship between Anti - HCV antibody and the prognosis of non-A, non-B post transfusion hepatitis . J. Med Virol 33 : 117 - 122 .
- Taraka k, Hirohata T, Koga s et al (1991b) Hepatitis C and hepatitis B in the eitology of hepato cellular carcinome in the Japanese population. cancer Res 15 : 2842 - 2847.

- Tatsuko KATOH, (1991) Dual colour Fluorescein analysis of peripheral blood T cells in auto - immune chronic active hepatitis . " Journal of Gastro enterology and Hepatology (1991) 6,0 265- 270.
- Taussing , M. j. and Munro, A. J. , (1975) : Antigen - specific T - cell Factor in cell cooperation and Genetic control of the immune Response " in : Rosenthal, A. S., " immune Recognition, " New york Academic , Press , inc , PP. 791 - 303.
- Thomas , M.c., (1981) : T-cell subsets in patients with Acute and chronic HBV infection " primary biliary cirrhosis and Alcohol induced liver Disease, " int J. immuno pharmacol, 3,301.
- Thomas, M.C., Brown , D., Routhier, G., Kung, P.c and Sherlock , S., (1982b) : inducer and suppressor T- cell in Hepatitis B Virus - induced liver disease, Hepatology, 2, 202 - 204.
- Tizzard I . R (1988) immunology An . introduction . the nature of antibodies P. 80 - 812 nd ed soundess college publishing.
- Toro - Goyco, E (1964) : cirucomoval precipitins localisation by gel filtration in serum of Human infected with S. momsoni proc. soc. Exp. Biol Med. 117 : 921.

- Trepo , C.G., Robert , D., Martin ,J., Trepo, D., septjian .M. and prince , A. M., (1976) " HBSAg/ OR Antibodies (Anti - HBS and Anti - HBC) in Fulminant hepatitis pathogenic and prognostic significance, " Gut . 17 : 10
- Trepo, c., vitvitski , L., Hantz, o., chevallier , P., Grimaud, J.A., pinchoud, C. and sept; an . M., (1980) : identification and Detection of Virus specific core and E Ag/Ab system cross Reacting with those of hepatitis B in non-A, non-B hepatitis (NANB), Gastroentrol 79 , 1060.
- Trevisan .A., Realdi, G., Alberti , A., ongaro, G.,parnero, E, and Meliconi , R., (1982) : " core Antigen - specific immunoglobulin G Bound to the liver cell membrane in chronic hepatitis . B, " Gastroenterol 82 : 218.
- Van Boxel , J . A., paul , W.E , Terry , W.D. and Green , I., (1972) : " 19E - Bearing Human lymphocytes" J . immunol 109 , 648 - 651 .
- Van der poel cl, Cuypers HTM, Reesink Hw et al (1991) confirmation of hepatitis C Virus infection by new . Four antigen recombinent immunoblot assay lancet 337:317 319.

- Van der wail A, Delacroix Dl , van Hattum J. schuur man H J.
Kater L. characteristics of serum IgA and liver IgA
deposits in alcohoalic liver disease . Hepatology 1987 , 7 :
95 - 99 .
- Van Epps DE , Stick land RG, william R C (1975) inhibition of
leukocyte chemotoxis in alcoholic liver disease - An . J.
Med 59 : 200 - 7
- Vergani CM, vergani D, jenkin pj et al , (1979) : lympho toxicity
to autologus hepato cytes in HBSAg - ve chronic ative
hepatitis . clin . Exp. immunol. 38 : 16-21 .
- Vetter D Gut JP Doffoel M. revillem . in vitro demonestration of a
deficit in supppressor T- cell function in alcoholic
cirrhosis . Role of hepatitis B virus infection (French) .
Gastrornterologie - clinique et Biologique 13 (1) : 60 - 5,
1989 Jan.
- W. H. O , (1985) : schistosomiailsis control : A primary Health
core Approaach, " W. H. O. Document, schisto 183, 72.
- Wands, J. R., Dienstag, J. L., Bahn , A. K., FELLER E. R issel
BACHER , K.J. (1978) circulatory immune complex and
complement activation in primary biliary cirrhosis.
N.Engl. J. Med 298 , 233.

- Warren, K. S., (1966) : " The pathogenesis of clay pipe. Stem cirrhosis in Mice with chronic schistosomiasis mansoni , with a note on the Longevity of schistosomes. Am. J. path ., 49 - 477 .
- Warren, K. S., Rosenthal. N. J. and Domingo. E.O, (1969) : " Mouse hepatitis virus (MHV) infection in chronic Murine schistosomiasis mansoni bull, "N . y. Acad. Med., 45 , 211.
- Weir DM (1986) : Tissues and cells of the immune system. en : Aids to immunology . Churchill livingstone P : 2-9.
- Wyke R. J, Rajkovic, Eddleston A, williams R (1980) membrane in chronic hepatitis B . G. E. 82 : 218.
- Yong Kim, C., soon - Kee , B., Hie - warn , L. H, London, T.W. and Blumberg , B, S (1985): prevelance of HBe Ag and Anti - HBe in chronic Active hepatitis . cirrhosis and primary Hepato cellular carcinoma in Korea , Hepatology , 5,1,54-57 .
- Young G P, Dudley FJ, Vander weyden MB (1979) suppressive effect of alcoholic liver disease sera on lymphocyte transformation . Gut . 20 : 833- 9.

- Zakaria S, Mabrouk. M. A., Zakaria . H.S. Ismail M.M. Khalil , A. H. Elkalouby : A., Kamel , M. and El Gareem , A. H. (1988) : The role of schistosomiasis and Type B. hepatitis in the pathogenesis of endemic Egyptian hepatosplenomegaly - J. Egypt. society . Parasit 1802 , 421 - 429.
- Zettermon RK, leevy cm. immunologic reactivity and alcoholic liver discease. Bull NY Acad Med 1975 , 51 : 533 - 544 .
- Zola , H., and Brooks. D.,(1981) : Techniques for the production and characterization of monoclonal Hybridoma Antibodies, " in " John, G.R. and Hurrell , Monoclonal Hybridoma Antibodies Techniques and Application . 1-56.
- Zola, H., Bachman , I. G. R. Bradley , Y . and Thomas , M.E. (1980) : " Humen Lymphocyte Marker Defined by Antibodies Devied from Somatic cell Hybrids," immunology - 40. 143.
- Zuckerman , A. J and Howard, C.R., L (1979) : Hepatitis viruses of man , " Academic press , 1st Edit.