

References

- Abdel-Wahab, M. (1970):* Widal and blood picture in the diagnosis of typhoid fever. J. Egypt. Public Health Assoc. : 45 P. 85-108.
- Abdel-Wahab, M. (1974):* Acute enteric fever: Ain-Shams Journal 25, 4: P. 437-440.
- Abdel-Wahab, M., Saif El-Din, S., Hasseb, N., Shawky, R., and Safwat, Y. (1977):* Acute enteric fever in schistosomal versus non-schistosomal patient. Ain Shams Journal: 28 P. 325-334.
- Abdel-Wahab, M. and Mahmoud, S. (1988):* Typhoid and paratyphoid fever. In: Infectious diseases and tropical medicine. P. 17-24.
- Adams, E. (1984):* Typhoid and paratyphoid fever. In: Oxford text book of medicine edited by Weatherall, D. Ledingham, I. and Warrel, D. International edition. Oxford University Press. P. 183-189.
- Adams, A. and Harkness, R. (1976):* Adenosine deaminase activity in thymus and other human tissues. Clin. Exp. Immunol., 26. P. 647-649.
- Adinolf, L. Uuilli, R., Gaeto., G., Perna, P. and Ruggero, G. (1987):* Presence of endotoxemia and its relationship to liver dysfunction in patients with typhoid fever. Infection 15: 55 P. 359-62.
- Agarawal, R. and Parks, R. (1978):* Adenosine deaminase from human erythrocytes. Methods in enzymology, II: Academic Press. Inc. P. 52-57.

Anonymous, S. (1978): Typhoid and its serology. Br. Med. J., 1: P. 389-90.

Ajao, O., Ajao, A., Johnson, T. (1984): Methylprednisolone sodium succinate (Solu - Nedrol) in the treatment of typhoid perforation (a preliminary report). Trans. R. Soc. Trop. Med. and Hyg., 78 (5): P. 573-6.

Bartlett, J. (1982): Chloramphenicol. Med. Clin. North. Am., 66 P. 91-102.

Barrett, T. Blake, P., Brown, S., Hoffman, K., Nateullort, J. and Feeley, J. (1983): Enzyme-Linked immunosorbent assay for detection of human antibodies to S. typhi Vi antigen. J. Clin. Microbiol., 17. P. 625-627.

Beasly, W., Josef, S. and Weiss, O. (1981): Improved serodiagnosis of salmonella enteric fever by enzyme-linked immunosorbent assay. J. Clin. Microbiol., 13 P: 106 Ill.

Benavente, L., Gotuzzo, E., Guerra, J., Grados, O., Guerra, H. and Bravo N. (1984): Diagnosis of enteric fever using a string capsule device. Trans. Roy. Soc. Trop. Med. & Hyg., 78(3): P. 404-406.

Boctor, W., Hassan, A. and Abdel-Wahab, M. (1970): Changing pattern of enteric fevers in U.A.R.J. Egypt Publ. Health Assoc: 45, p. 17-27.

Buka, I. and Coovadia, H. (1980): Typhoid glomerulonephritis. Arch. Dis.

Child., 55, P. 305-7.

Butler, T. (1992): Typhoid fever In: Cecil Textbook of Medicine, edited by wyngaasden, J., Smith, L., Hand Bennet, J. (19th ed.) Philadelphia P: 1690-1691.

Casanueva, V., Cid, X., Gavicchioll, G., Oelker, M., Cofre, C. and Chiang, M. (1992): Serum adenosine deaminase in the early diagnosis of typhoid fever. *Pediatric Infect. Dis. J.* P. 828-30.

Cascers, J., Herancia, E., Dagnino, E., Quesada, M. and Parodic, C. (1979): Diagnostic value of bone marrow culture in typhoid fever. *Trans. Roy. Soc. Trop. Med. & Hyg.*, 73:6 P. 680-3.

Cheesbrough, M. (1985): In: Medical laboratory manual of health tropical countries, tropical health technology, 1st edition, volume II. Butterwarths, London, P: 251-60.

Conway, E.J. and Cooke, R. (1939): The deaminases of adenosine and adenylic acid in blood and tissues *Biochem. J.* 33: 479.

Cosgrove, D.O. and McCreedy, V.P. (1985): The liver in ultrasound imaging liver spleen pancreas. John Wiley & Sons, Chichester. New York Brisbane, Toronto-Singapore.

Christie, A.B. (1980): Epidemiology and clinical practice infectious. Churchill Livingstone. 47-118.

Christie, A.B. (1987): Typhoid fever. Fourth Edition, Volume L, Churchill Livingstone, P. 100-164.

Cruickshank, R., Duguid, J., Marmion, B. and Swain, R. (1980): The enterobacteriaceae: Salmonella. In: Medical microbiology. 14th

edition, Churchill livingstone (Edinbrugh). 2: P. 403-19.

Cvijetanovic, B. (1971): Progress in the field study of acetone-dried vaccines against typhoid. In: Proceedings of conference on the application of vaccines against viral, rickettsial and bacterial disease of man. Scientific publication no. 226 Pan American Health Association, Washington, P. 372.

Daddona, P.E. and Kelley, W.N. (1980): Mol. Cell. Biochem., 29: 91 Daoud, 1993.

Daoud, W. A. Y. (1993): Adenosine deaminase activity in broncho-alveolar lavage of pulmonary tuberculosis. M. D. chest thesis. Cairo University.

Delia, S., Masteoianni, C., Massetti, A., Tubessi, G., Girelli, A., Cahania, S., and Vullo, V. (1987): Adenosine deaminase activity and acquired immunodeficiency syndrome (AIDS). Clin. Chem J. 33: P. 675.

Donofrio, J., Coleman, M.S. and Hulton, J.J. (1978): J. Clin. Invest., 62: 884.

El-Akkad, A. (1970): Statistics and epidemiology of typhoid fever in U.A.R.J. Egypt. Publ. Health Assoc. 45: P. 8-15.

El-Falaky, I., Hassan, A., Abdel-Wahhab, M. and El-Kholy, S. (1970): Diagnosis of typhoid fever by haemagglutination. J. Egypt. Publ. Health Assoc., 45: P. 109-118.

El-Hawey, A., El-Rakaiby, A., Ibrahim, M. (1987): Endocrinal profile in adult Egyptian typhoid patients. J. Egypt Med. Assoc., 70 P.

- El-Lackany, A., Mazloun, H., Zaki, S. et al. (1978):* Efficiency of some blood culture media in isolating J. Egypt. Publ. Assoc.: XIII: 9-21.
- El-Lammie, O. and Salama, Z. (1992):* Ultrasonography of the liver and biliary tree in: Update: Hepatology and Gastroenterology, 1st ed. P. 33-41.
- Edelman, R. and Levine, M. (1986):* Summary of the international workshop of typhoid fever. Rev. of Infec. Dis., 8: P. 329-49.
- Edington, G.M. and Gilles, H.M. (1976):* Pathology in tropics 2nd edition Edward Arnold, London, P. 323-28.
- Esperson, F., Mogensen, H.H., Hiby and Gaarsler, K. (1982):* Humoral and cellular immunity in typhoid and paratyphoid carriers. Acta, Pathol., Microbiol., Immunol., Scand, 90(6): 293-9.
- Feder, H. (1986):* Chloramphenicol: We have learnt in the last decade. South Med. J., 79: 9: P. 1129: 43.
- Feigin, R. (1992):* Typhoid fever. In: Nelson textbook of pediatrics (14th ed.), edited by: Behrman R., Kliegman, R., Nelson, W. and Vaughan, V. Philadelphia. P. 731-734.
- Ferreccio, C., Levine, M., Manterola, A. (1984):* Benign bacteremia caused by salmonella typhi and paratyphi in children younger than 2 years. J. Pediatr., (6): P. 899-901.
- Fine, G., Ma, C., Kissane, J. (1985):* Bacterial disease. In: Anderson's pathology. (9th ed.), edited by Jissane, J. Philadelphia P: 314-

- Fuburg, E., and Freter, R. (1973):* Protection against enteric bacterial infections by S.IgA.J. Immunology, 111: P. 395-403.
- Geddes, A., Fothergill, R., Goodasll, J. and Dorken, P. (1971):* Evaluation of trimethoprim - sulfamethoxazole compound in treatment of salmonella infections. Br. Med. J., 3: P. 451-454.
- Gordach, S. (1985):* Typhoid fever. In: Cecil textbook of medicine. 17th edition, edited by Beeson, P., Mdermott, W. and Wyngarden, J. Vol.... 2. Saiunders Company (London) P. 1587-1589.
- Giblett, E.R., Anderson, J.E., and Cohen, F. (1972):* Adenosine deaminase deficiency in two patients with severely impaired cellular immunity. Lancet, 2: 1067-1069.
- Gilman, R., Terminal, M., Levine, M., Hernandez-Medoz, Pand Hornick, R. (1975):* Relative efficacy of blood, urine, rectal swab, bone marroww and rose - spot culture for recovery of S. typhi fever. Lancet, I: P. 1211-5.
- Guisti, G. (1974):* Adenosine deaminase. In: Methods of enzymatic analysis, edited by Bergmeyer, H. (2nd edition). Academic Press. Inc. New York P. 1092-1099.
- Grosman, W. and Berman, H.A. (1968):* Typhoid fever in previously immunized. Lancet: 2: P. 867.
- Guerrant, R.L. and Hook, E.W. (1983):* Salmonella infection. In: Horrison's principles of internal medicine 10th ed., edited by Isselabacher,

K.S., Adams, R.D., BraunWold, E., Petersdrof, R.L. and Wilson, J.D. McGrow, Hill. International Book Company (London), P. 592-96.

Guerrant, R. (1987): Salmonella infections. In: Harrison's principles of internal medicine (11th ed.) edited by Isselbacher, K.S., Adams, R.D., BraunWold, E., Petersdrof, R.L. and Wilson, J.D. McGrow, Hill. International Book Company (London), P. 592-596.

Hand, W. and King, N. (1978): Serum opsonization of salmonella in sickle cell anemia. Am. J. Med. 64: P. 388.

Hassan, F., Fahmy, M. (1993): Serum adenosine deaminase activity among healthy Egyptian, effects of some physical factors. Cairo university. (accepted for publishing).

Hassan, A., Erian, M. and Said, F. (1973): Comparison of cotrimethoxazole and chloramphenicol. Br. Med. J: 6-108.

Hathout, S. and Abdel-Wahab, M. (1970): Unusual presentatons of enteric infections, J. Egypt. Publ. Health Assoc.: XLV: 56-71.

Hayani, K. and Pickering, D. (1992): Textbook of Pediatric infectious diseases. (13th edit.), edited by Feigin, R. and Cherry, J. Volume I: P. 623-636.

Herzog, C. and Geddes, A. (1982): Chloramphenicol in the treatment of enteric fever. Trans. Roy. Soc. Trop. Med. & Hyg.: 76: 6: P. 848-9.

Herzog, C. (1980): New trends in the chemotherapy of typhoid fever. Acta

Tropica: 34: P. 275-80.

Hoffman, S.L., Punjabi, N.H., Kumala, S. et al. (1984): Reduction of mortality in chloramphenicol-treated severe typhoid fever by high dose dexamethasone. N. Engl. J. Med.: 310: 2: P. 82-8.

Hoffman, S., Edman, D., Pungabi, N. (1986): Bone marrow aspiration culture superior streptokinase clot culture and 8 ml 1:10 blood to broth ratio. Am. J. Trop. Med. & Hygiene, 35: 4: P. 836-9.

Hoffman, S. (1991): Typhoid fever In: Hunter's tropical medicine. Edited by Thomas, S. (7th ed.). Sunders Company, Philadelphia P. 344-359.

Hook, E. (1970): Antimicrobial therapy of salmonella infections. J. Egypt. Publ. Health. Assoc., XLV. P. 206-17.

Hornick, R.B., Greisman, S.E., Woodward, T.E., Duptont, H.L. and Synder, M.J. (1970): Typhoid fever, pathogenesis and immunological control, parts 1 and 2. N. Engl. J. Med. 283, 686-691, 739-746.

Hornick, P. (1984): Typhoid fever and other salmonellae infections. In: Tropical and geographical medicine. Edited by Warren, K. and Mahmoud, A. First edition. McGraw-Hill book company. New York. 710-721.

Hornick, R. (1989): Typhoid fever. In: Infectious diseases: A modern treatise of infectious processes, edited by Hoeprich, P. and Jordan, M. (4th ed.) lippincott, J.B Company, Philadelphia. P. 717-724.

Hindawy, A., Hassan, F., Elseify, A., El-Mougy, F., Abdelhady, M., Waly, S. and El-Nahas, S. (1992): Activity of adenosine deaminase in

cerebrospinal fluid in the diagnosis and follow up of tuberculous meningitis in Egyptian children. Med. J. of Cairo University, 60(4): 927.

Hirschhorn, R., Roegner, V., Rubinstein, A., and Apageoriou, P. (1975): Plasma deoxyadenosine, adenosine, and erythrocyte deoxy ATP are elevated at birth in an adenosine deaminase-deficient child. J. Clin. Invest. 55: P. 661-667.

Hirschhorn, R., Martiniuk, F. and Rosen, F. (1978): Adenosine deaminase activity in normal tissues and tissues from a child with severe combined immunodeficiency and adenosine deaminase deficiency. Clin. Immunol Immunopath., 9 : 927.

Hirschhorn, R., Vawter, G.F., Kirkpatrick, J.A. and Rosen, F. (1979): Adenosine deaminase deficiency frequency and comparative pathology in autosomally recessive severe combined immunodeficiency. Clin. Immunol. Immunopath., 14: 107.

Huckstep, R.L. (1962): Typhoid fever and other salmonella infections. E. & S. Living Stone Ltd., Edinburg and London, P. 4-9.

Islam, A., Bulter, T., Nath, S.K. et al. (1988): Randomized treatment of patients with typhoid fever using ceftriaxon or chloramphenicol. J. Inf. Dis. 158: 4: P. 242-7.

Jawetz, E., Melnik, J. and Adelberg, E., (1982): Review of medical microbiology. (15 ed.) Lange medical publication. P. 234-7.

Jerome, H. (1970): The pathology of salmonellosis. A review. J. Egypt. Public Health. Assoc., 45: P. 28-38.

Kavousi, S. (1977): Typhoid fever with myocarditis in children.

Pahlari Med. J. 8:99, abstracted in trop. Dis. Bull 74:797.

Keusch, G. (1981): Typhoid fever. In: Medical microbiology and infectious diseases, edited by Braude, A., Davis, C. and Fierer, J. Saunders Company (London). P. 1399-1407.

Keusch, G. (1994): Typhoid fever. In: Harrison's principles of internal medicine, edited by Isselbacher, K., Braunwald, A., Wilson, J., Martin, J. and Kasper, D. (13th ed.), McGraw-Hill, Inc. New York. P. 672-674.

Khosla, S. (1981): The heart in enteric fever. J. Trop. Med. & Hyg., 84: P. 125-31.

Klugman, K., Gilbertson, I., Koomhof, H. (1987): Protective activity of Vi capsular polysaccharide vaccine against typhoid fever. Lancet 11: P. 1165-69.

Koneman, E., Janda, W., Allen, S., Dowel, V. and Winn, W. (1988): Bacterial diseases. In: Text book of Diagnostic Microbiology (3rd ed), Lippincott company P. 116-180.

Kucers, A. and bennett, N.(1987): The antibodies, (4th ed) William Herenmann Medical Books , London, P. 757-807.

Kumar, P. and clark, M. (1991): Salmonellosis In: Textbook of Clinical Medicine (2nd ed). Bailliere Tindall, P. 35-36.

Levine, M. Grados, O., Gilman, R. (1978): Diagnostic value of Widal test in areas endemic for typhoid fever. Am. J.Trop. Med.& Hyg., 27:4:P.795-800.

- Levine, M. ;Taylor, D.N. and Ferreco, C. (1989):** Typhoid vaccine come of age. *Pediatr. Infect. Dis. J.* 1989;8:P. 374-81.
- Levine, M. (1990):** Modern vaccines enteric infections. *Lancet*, 335:P. 958-61.
- Limson, B.M., Medoza T., Liwanag E., Christensen O., menday, P.(1982):**
Randomized, comparative trial of mecillinam, mecillinam / ampicillin and chloramphenicol in the treatment of typhoid fever.*J. Antimicrob. Chemother.* 9:405-410.
- Lyons, R., Samples, C., Desilia, H. (1980):**An epidemic of resistant salmonella in a nursery: Animal to human spread. *J.A.M.A.*234:P.546.
- Mabel, T, and Paniker, C. (1979):** The role of cell mediated immunity in typhoid, *J. Infect. Dis.* 3(2): P:69-75.
- Mabey, D., Brown, A., and Green wood, B.(1987):** Plasmodium falciparum malaria and salmonella infections in Gambian children. *J. Infect. Dis.* 155:P.1319.
- Maegraith, B., Browne, S., Gilles, H., Reid, H. and stamm, W. (1985):**
Typhoid fever. In: *Clinical tropical diseases*, 8th ed, Blackwell Scientific puplication, Oxford, London. P503-514.
- Maklad, M (1986):** Immunological changes in typhoid fever. M.D Thesis Tropical Medicine. Ain-Shams faculty of medicine.
- Mallouh, A. and Sa-Dia, L.(1987):** White blood cells and bone marrow in typhoid fever. *Ped infect. Dis. J.* 606:P.557-9.
- Manson-Bahr, P. (1982):** Typhoid fever. In: *Manson's Tropical Disease* (18th edition). The English Language Book Society (London).

P:381-389.

Manson-Bahr P. and Bell, D. (1987): Typhoid fever In: Manson's Tropical diseases, (19th edition). Bailliere Tindall (Philadelphia). P.194-206.

Mandal, B. (1990): Treatment of multiresistant typhoid fever. Lancet 336:P.1383.

Marminon D.(1952): Treatment of typhoid fever with chloramphenicol. Trans. Roy. Soc. Trop. Med. & Hyg., 46:P.619-38.

Martin D. and Gelfand, E. (1981): Biochemistry of diseases of immunodevelopment. Ann. Rev. Biochem. 50:P: 845-872.

Martinez-Vazquez, J. Ribeca, E. Ocano, I, Segura, R. Serroat, R. and Sagrista, J. (1986): Adenosine deaminase activity in tuberculous Pericarditis. Thorax. 4:P.888-889.

Maurya, S.D. Gupta, H.C., Tiwari, A. and Sharma, B.D.(1984): Typhoid bowel perforation. A review of 254 cases. Int.Surg. 69(2): P. 155-8.

Mckendrick. M.W.(1984): Typhoid. Med. International :2:69-72.

Meuwissen, H. Pollare, Band Pickering, R (1975): Combined immunodeficiency disease associated with adenosine deaminase deficiency. J. Pediat., 86:P.169.

Monterio, E.H., Ti Ty, Lam S. and Lee H.S.(1985): Ceftriaxone therapy in bacteremic typhoid fever. Antimicrob. Agents Chemother. 28(4): 540-543.

Monterio E.H. Ti Ty, Lam S. and Lee H.S. (1990): Chloramphenicol

concentrations in sera of patients with typhoid fever being treated with oral or intravenous preparations. Antimicrob. Agents. chemother., 34(9):P. 1809-11.

Morgenstern, R. and Hayes, C. (1991): The Liver in typhoid fever always affected, not just a complication. Am. J. Gastroenterology: 86(9):P. 1235-39.

Mishra , -OP. : Gupta – BL: Ali –Z : Nath – G : chandra-L (1994) : Adenosine deaminase activity in typhoid server. Indian-pediatr. Nov : 31 (11) P : 1379 – 84 .

Mikhail, I.A., Haberberger, R.L., Farid, Z., Girgis, N.I. and woody, J.N.(1989): Antibiotic multiresistant Salmonella typhi in Egypt. Trans. Roy. Soc. Trop. Med. & Hug. 83:120.

Mitchell, B., and Kelley, W. (1980): Purinogenic immunodeficiency diseases: Clinical features and molecular mechanisms. Ann. Intern. Med., 92:P. 826-831.

Milatovic D., Braveny, I., (1984): Development of resistance during antibiotic therapy. Eur. J. Clin. Microbiol. 6:1-11.

Nyerges G., Szerdahelyi F., Tanko, et al. (1976): Leucocyte migration inhibition by specific antigen in human typhoid fever. Acta Microbiol. Hung. 3:293. Abstracted in Abstr. Hyg. 52:665.

Nyerges, G.; Ferencz, A. and Funk, O. (1979): Development of specific cellular immuno-reactivity in typhoid fever. Acta, Microbiol., Acta, Sci, Hung. 26(4), P. 321-4.

Onofre, M. (1982): Typhoid fever: Current therapy, international edition. 1982-1983, edited by Howard, E. Saunder, W. Company. London. P. 81-83.

Ounigbo, M. (1990): Diagnosis of typhoid fever in Nigeria misuse of the Widal test. Transaction of Royal Society of Tropical Medicine and Hygiene, 84:P.127-131.

Ounigbo, M. (1991): Relevance of the Widal test in typhoid fever. Transactions of the Royal Society of Tropical Medicine and Hygiene, 85:P. 137-38.

Parker, M. (1984): Enteric infections: typhoid and paratyphoid fever. In: Topley and Wilson's Principles of bacteriology, virology and immunity (7th ed.), edited by Wilson, G., Miles, A. and Parker, M. (Vol. 3) Edward Arnold Ltd. (London). P. 407-428.

Petterson, T., Ojala, K. and Weber, T. (1984): Adenosine deaminase in the diagnosis of pleural effusion. Acta. Med. Scand. 215:P. 299-304.

Puylaert, J.B.C.M., Kristjans Dottir., S., Gentlman, K.L. and Knecht N.M. (1989): Typhoid fever: diagnosis by using sonography. A.J.R. 135, P. 745-46.

Uberti, J. Johnoson, R. and Lightboody, J. (1976): Decreased Lymphocyte adenosine deaminase activity in tumour patient Cancer Res., 36: P. 2046.

Ungerer, J. Oosthuizen, H. and Vermasak, W. (1992): Serum adenosine deaminase: Isoenzymes and diagnostic application. Clin Chem. 38:17: P. 1322-1326.

Rai, G., Zachoriok, M. and Shirvastara, S.(1989): Comparative efficacy of indirect haemagglutination test, indiract fluorescent antibody test and enzyme linkad immunosorbent serodiagnosis of typhoid fever. G.Trop. Med. & Hyg.,92:P.431-4.

Rajagopalan, P., R, Kumar and N. Malaviya, (1981): Immunological studies in typhoid fever immunoglobulins C3. antibodies rheumatoid factor and circulating immune complexes in patients with typhoid fever. Clin. Exp. Immunol. 44:68-73.

Robertson, R., Abdel-Wahab, M. and Raasch, F.(1968): Evaluation of chloramphenicol and ampcillin in salmonella enteric fever. New Eng. J. Med., 278:P.171-6.

Rocha, H, Kirk, J.and Hearry, C.(1971): Prolonged salmonella bacteremia in patients with schistosoma mansoni infection. Arch Intern. Med 128P. 254.

Roca, M. Sellier, N., Mensiue, A., Kalifa, G. and Bennat, J. (1988): Acute acalculous cholecystitis in salmonella infection. Pediatr. Radiol., 18(5): P. 421-3.

Rogerson, S., Smith, T. and Richens, G (1991): Hydrocortisone in chloramphenicol severe typhoid fever in Papua. Transections of the Royal Sociaty of Tropical Medicine and Hygiene. 85:P. 113-116.

Ribera, E., Martinez-Vazquez, J. Ocana, I., and Pascusal, C. (1987): Activity of adenosine deaminase in cerebrospinal fluid for the diagnosis and follow-up tuberculous meningitis in adult. J. Infect. Dis. 155:P.603-607.

- Rubin. E. and Farber., J.(1994):** Typhoid fever In: Pathology. Edited by:
Rubin, E. and Farber, J. (2nd. ed). Lippincott. J. Company.
Philadelphia. P. 353-369.
- Sabour, M.S. and Farid, Z. (1978):** Enteric fever. Infectious Diseases,. P.
274-288 Dar Al-Maaref, (Cairo).
- Saif El-Din, M.F., Abdel Wahab, M., Kh. Makled and Effat A. (1988):**
Immunological changes in typhoid fever. J. Egypt Public
Health Vol. LXII No. 56.
- Sarma, V. Malaviya, A., Kumar, R., Ghai, O and Bakhry, M.(1977):**
Development of immune response during typhoid fever in man.
clin Exp. Immunol., 28(1) P. 35-9.
- Schrader, W.P., Woodward, F.J. and Pollara, B. (1979):** Purification of an
adenosine deaminase complexing protein from human
plasma. J.Biol. Chem., 254:11964.
- Schmalstieg, F.C., Nelson, J.A., and Mills, G. (1977):** Increased purine
nucleotides in adenosine deaminase deficient lymphocytes.
J. Pediatr., 91(1): 48.
- Schroeder, S. (1968):** Interpretation of serologic test for typhoid fever.
J.A.M.A. 26:P. 839-890.
- Scott. Jr. W.W., Sanders, R.C. and Siegelmen S.S. (1980):** Irregular fatty
infiltration of the liver: Diagnostic dilemmas
A.J.R.135:67-71.
- Seebaran, A., Coovaidia, Y. and Bhana, R.(1990):** Typhoid fever in the adult
and Pediatric Indian population. S. Afr. Med. J.,

77(1):P.14-7.

Shimokata -K; Saka-H; Murate -T; Hasegawa -Y: Hasegawa -T , 1991 :
Cytokine content in pleural effusion. Comparison between
tuberculous and carcinomatous pleurisy. Chest. May; 99
(5) P : 1103 - 7.

Shore, A., Dosch, H.M. and Gelfand, E., W. (1981): Role of adenosine in
early stages of precursor T-cell mutation. Clin. Exp. Immunol.,
44: 152.

Shoeb, S.M., Basmy, K., Hassan, A. and Abdel Wahab, M.F. (1971): Present
status of enterica in U.A.R., Clinical, laboratory and enzymatic
studies. J. Egypt. Med. Assoc., 54: P. 197-212.

Shousun C. Audrey, Stone and John, B. Robbins, (1991): Relation between
structure and immunologic properties of the Vi capsular
polysaccharide. American society for microbiology infection
and immunity. P. 4555-4561.

Shukla, V., Kumar, M., and Khandelwal, C. (1983): Enteric perforation of
the gall bladder. Postgrad. Med. J., 59: P. 125-26.

Stein, E. Rubin, F. and Heimann, K. (1989): Use of DNA probe to detect
salmonella typhi in the blood of patients with typhoid fever. J.
Clin. Microb. 27(5) P: 1112-114.

*Simanjuntak, C. H., Hoffman, S.L. , Dranowigolo, R. , Lesmann, M. and
Edman, D.C. (1988):* Streptokinase clot culture compared
with whole culture for isolation of salmonella typhi and S.
paratyphi - A from patients with enteric fever. Trans. Roy.
Soc. Trop. Med. & Hyg.: 82:P. 340-1.

Sivadasan, K., Kurien Betty, Jacob, J.T. (1984): Rapid diagnosis of typhoid fever by antigen detection. *Lancet* 1: 134-135.

Sperber, S. chleupner, C. (1987): Salmonellosis during infection with human immuno-deficiency virus.

Rev. Infect. Dis. 9:P. 925.

Sullivan J, Osborne CW, Edgwood R, (1977): Adenosine deaminase activity in lymphocytes. *Fr. J. Hematol.*, 37: 157-8.

Sundaraj. T., Inogo, B. and Subramonion, S. (1983): A Study of usefulness of counter - immuno - electrophoresis suspected cases of enteric fever. *Trans. Roy. Trop. Med. & Hyg.*, 77: 2: P 194-7.

Sutton, R.G.A. and Merson, M.H. (1983): Oral typhoid vaccine

Ty 21a. Lancet. 1: P. 523.

Taylor, A. (1986): Value of measuring adenosine deaminase in serum of sarcoidosis patients. *Clin. Chem.*, 32: P. 2225.

Topely, W. and Wilson, B. (1986): Principles of Bacteriology and Virology, (8th ed). Arnold-London P. 511-15.

Tjips van Derwerf, J. and Fionas. C. (1990): Typhoid Perforation of the ileum. In: *Tropical and Geographical Medicine* (2nd ed.) 42: P. 330-336.

Van Der Weyden, M. and Kelley, W. (1976): Human adenosine deaminase: Distribution and properties. *Biol. Chem.* 251:P. 5448-5456.

Varley H., Cowenbock A. H. and Bell M. (1980) : Statistics. In : *Practical clinical biochemisty. Vol. 1 , 5th ed., william heinemann.*