

## REFERÊNCIAS

- . BALOU, S. P.; BUNIEL, J. and MACINTYRE, S.S. - Specific binding of human c - reative protein to human monocytes in vitro. *The J. of Immunol* 142: 2078 - 2113, 1989.
  
- . BECHELLI, L. M. & ROTBERG, A. - Compêndio de Leprologia. Ministério da Educação e Saúde. Departamento Nacional de Saúde. Serviço Nacional de Lepra, 1951.
  
- . BECHELLI, L. M. & CURBAN, G. V. - LEPRA, CAPÍTULO 13, pg 132 - 163: in Compêndio de Dermatologia, 6<sup>4</sup> Edição, 1988. *Atheneu Editora* (São Paulo).

- . BEIGUELMAN, B.; PINTO JR., W.; PISANI, R.C.B.; KRIEGER, H; VOZZA, J.A. and EL GRINDY, M.M. - Lymphocyte transformation and lepromatous leprosy. *Ciência e Cultura*, 27: 217-220, 1975.
  
- . BEUTLER, B. and CERAMI, A. - Cachectin (tumor necrosis factor) a macrophage hormone governing cellular metabolism and inflammatory response. *Endocr. Rev.* 9: 57-66, 1988.
  
- . BJUNE, G.; BARNETSON, S.T.C.; RIDLEY, D.S. & KRONVALL, G. - Lymphocyte transformation test in leprosy: correlation of the response with inflammation of lesion. *Clin. Exp. Immunol* 25: 85-94, 1976.
  
- . BLOEMENA, E.; ROSS, M.T.L.; VAN HEIJST, J.L.A.M.; VASSEN, J.M.J.J. and SCHELLEKENS, P.T.A. - Whole blood lymphocyte cultures. *J. of Immunol Methods* 122: 161-167, 1989.
  
- . BLOOM, B. R. - Learning from leprosy. A perspective on immunology and the third world. *The J. of Immunol.* 135: 1-10, 1986.
  
  
- . BOYUM, A - Isolation of mononuclear cells and granulocytes from human blood. *Scand J. Lab. Invest.* 21 (suppl.): 97-105, 1968.
  
- . BUCHTA, R.; FRIDKIN, M.; PONTET, M.; CONTESSI, E.; SCAGGIANTI, B. and ROMEO, D. - Modulation of neutrophil function by C-reactive protein. *Eur. J. Bloch.* 163 : 141-146, 1987.

- . BULLOCK, W. E. and FASAL, P. - Studies of immune mechanisms in leprosy III the role of cellular and humoral factors in impairment of in vivo" immune response. J. Immunol. 106: 888-889, 1971.
  
- . BULLOCK, W. E. - Leprosy: A model of immunological perturbation in chronic infection. The J. of Infect. Dis, 137: 341-354, 1978.
  
- . DINARELLO, C. A. - Interleukin-1 and the pathogenesis of the acute phase response. New Engl. J. Med ,311: 1413-1418, 1984.
  
- . DINARELLO, C. A. - Interleukin-1 - Ann. N. Y. Acad. Sci 587: 122-132, 1990.
  
- . FORD, W. L. and HUNT, S. H. - The preparation and labelling of lymphocytes. Chapter 23 of Handbook of Experimental Immunology. Second Edition, Ed. D. M. Weiss, 1973.
  
- . FOSS, N. T.; PAGNANO, P. M. G. and BECHELLI, L. M. - Transformation lymphoblastique de lymphocytes de malades de lépre et de contacts, stimulés par la lepromine. Milieu des culture en sérum homologue. Acta Leprol. 66-67: 223-229, 1977.
  
- . FOSS, N. T.; PAGNANO, P. M. G.; BECHELLI, L. M. and SIMÕES, A. L. - Lymphocyte blastogenesis and lepromin reactivity in leprosy patients and their parents. Acta Leprol. 7: 119-128, 1990.

- . GAUDIE, J.; RICHARDS, C.; NORTHEMANN, W.; FEY, G. and BAUMANN, H. - IFNB2/BSF2/IL-6 is the monocyte-derived HSF that regulates receptor-specific acute phase gene regulation in hepatocytes. Ann. N. Y. Acad. Sci: 557 46-59, 1989.
  
- . GEWURZ, H. - Biology of C-reactive protein and the acute phase response - Hospital Practice .17: 67-81, 1982.
  
- . GODAL, T.; MYKLESTAD, B.; SAMUEL D. R. and MYRVANG, B. - Characterization of the cellular immune defect in lepromatous leprosy. A specific lack of circulating M. leprae reactive lymphocyte Clin. exp. Immunol. 9: 821-831, 1971.
  
- . GODAL, T. - Leprosy immunology - some aspects of the role of the immune system in the pathogenesis of disease. Lepr. Rev. 55: 407-414, 1984.
  
- . GOTSCHLICH, E. - C-reactive protein. A historical overview. Ann N.Y. Acad. Sci ,557: 9-18, 1989.
  
- . HANKS, J. H.; ABE, M.; NAKAYAMA, T. T.; BECHELLI, L.M. and DOMINGUEZ, V. M. - Studies towards the standardization of lepromin. Bull Wld. Hlth. Org. ,42: 703-707, 1970.

- . HAREGOWOIN, A.; GODAL, T.; MUSTAFA, A. S.; BELEHIX and YEMANEBERHAN, T. - T - cell conditioned media reverse T cell unresponsiveness in lepromatous leprosy. *Nature* 303: 342-344, 1983.
- . HEINRICH, P. C.; CASTELL, J. V. and ANDUS, T. - Interleukin-6 and acute phase response. Review Article. *Biochem J* 265: 621-636, 1990.
- . HIND, C. R. K.; WINEARLS, C. G.; PAPYS, M. B. - Correlation of disease activity in systemic vasculitis with serum C-reactive protein measurement. A prospective study of thirty-eight patients. *Eur. J. of Clin. Investig.* 15: 89-94, 1985.
- . JAMES, K.; HANSEN, B. and GEWURZ, H. - Binding of C-reactive protein to human lymphocyte. I Requirement for a binding specificity. *The J. of Immunol.* ,127: 2539-2544, 1981(a).
- . JAMES, K.; HANSEN, B. and GEWURZ, H. - Binding of C-reactive protein to human lymphocytes. II Interaction with a subset of cells learning the Fc receptor. *The J. of Immunol.* ,127: 2545-2550, 1981 (b).
- . KAPLAN. M. H. and VOLANAKIS, J. E. - Interaction of C-reactive protein complexes with complement system. I Consumption of human complement associated with the reaction of C-reactive protein with pneumococcal C-polysaccharide and with choline phosphatides, lecithin and sphingomyelin. *J. Immunol.* ,jam: 112:2135-2147. 1974.

- . KUSHNER, I.; VOLANAKIS, J. E. and GEWURZ, H. - C-reactive protein and the plasma protein response to tissue injury Ann. N. Y. Acad. Sci. 389: Eds, 1982 (a).
  
- . KUSHNER, I. - The phenomenon of the acute phase response. Ann, N. Y. Acad. Sci., 389 39 - 48, 1982 (b).
  
- . KUSHNER, I; GANAPATHY, M.; SCHULTZ, D. The acute phase response is mediated by heterogeneous mechanisms. Ann, N. Y. Acad. Sci. 557: 19-30, 1989.
  
- . LANIER, L. - Cells of the immune response. Lymphocytes a mononuclear phagocytes - Chapter 5, pg. 61-72, in Basic and Clinical Immunology. 7<sup>th</sup> Edition. 1991. Ed. Int. Lange Medical. (Daniel B. Stites and ABBA I TERR).
  
- . LANGUILLON, J. - Précis de Léprologie. édition. Editora Masson. Paris (New York, Barcelone, Mexico, Milan, São Paulo), 1986.
  
- . MEHRA, V. ; MASSON, L. H.; FIELDS, J. P. and BLOOM, B. R. - Lepromin induced suppressor cells in patients with leprosy. The J. of Immunol. 123: 1813-1817, 1979.

- . MEHRA, V.; MASSON, L. H.; REINHERZ, E. L.; SCHLOSSMAN, S. F. and BLOOM, B. R. - Delineation of a human T-cell subset responsible for lepromin-induced suppression in leprosy patients. *The J. of Immunol.* 125: 1183-1188, 1980.
  
- . MEHRA, V.; CONVIT, J.; RUBINSTEIN, A.; BLOOM, B. R. - Activated suppressor T-cells in leprosy. *The J. of Immunol.* 129: 1946-1951, 1982.
  
- . MENZEL, S.; BJUNE, G. and KRONWALL, G. - Lymphocyte transformation test in healthy household contacts of patients with leprosy. I. Influence of exposure to leprosy with a household. *Int. J. Lepr.* 47: 138 - 152, 1979 (a).
  
- . MENZEL, S.; BJUNE, G. and KRONVALL, G. - Lymphocyte transformation test in healthy household contacts of patients with leprosy. II. The influence of consanguinity with the patient, sex and age. *Int. J. Lepr.* 21: 153-160, 1979 (b).
  
- . MITSUDA, K. - On the value of a skin reaction to a suspension of leprosy nodules. *Int. J. Lepr.* 21: 347-358. 1953.
  
- . MODLIN, R. L. and REA, T. H. - Leprosy: New Insight into an ancient disease. *J. Am. Acad of Dermatol.* 17: 10-13, 1987.



- . MORTENSEN, R. F. - Inhibition of colony formation by macrophage committed stem cells during acute inflammation by purified human C-reactive protein (CRP) - Ex. Hematol. 11: 730-737, 1983.
- MULLEX, I. L. and FEHR, J. - Binding of C-reactive protein to human polymorphonuclear leukocytes. Evidence for association of binding sites with Fc receptors. J. Immunol. 136: 2202-2207, 1986.
- . NELSON, D. S.; ELSON, M.; THURSTON, J. M.; WAFERS, M. F. R. and PEARSON, J. M. H. - Phytohemagglutinin-induced lymphocyte transformation in leprosy. Min. exp. Immunol. 9: 33-43, 1971.
- . OLIVEIRA, E. B.; GOTSCHLICH, E. C. and LIU, T. V. - Primary structure of human C-reactive protein. Proceedings of the Nat. Acad. Sc. - 74: 3148, 1977.
- . OPPENHEIM, J. J.; RUSCETTI, F. W.; FATFYNEK, C. - Cytokines Chapter 7<sup>th</sup>, pg 78-100 in Basic and clinical Immunology. 7<sup>th</sup> Edition, 1991. Ed. Int./ Lange Medical. (Daniel B. Stites and ABBA I TERR)
- . PAGNANO, P. M. G. - Blastogênese de linfócitos de doentes de lepra, comunicantes e não comunicantes lepromino-positivos ou negativos, cultivados "in vitro" e estimulados pela fitohemaglutinina, em meio com soro heterólogo, plasma autólogo ou homólogo. Boletim da Divisão Nacional de Lepra. ,33 : 5-55, 1974.

- PAGNANO, P. M. G.; BECHELLI, L. M. et LIMA, F<sup>o</sup>, E. C. - Test de transformation de lymphocytes (11L) par la phytohemagglutinine, la lépromine et M. leprae chez des malades de lépre lepromino-négatifs, valeur pronostique comparées avec celle de la lepromina. Acta Lepr. 86-87: 83-95, 1982.
- . PEARSON, J. M. H. - Reactions in leprosy in Essentials of Leprosy. 4<sup>th</sup> Edition. Published by the German Leprosy Relief Association, 1986.
- . PEPYS, M. B.; BALTZ, M. L. - Acute phase proteins with special reference to C-reactive protein and related proteins (pentaxins) and serum amyloid A protein. Adv. Immunol. al: 34:141-212, 1983.
- . RABELLO JUNIOR, A. V. - Uma classificação clínico-epidemiológica das formas de lepra. Rev. Bras. Leprol. 4 (número especial): 375-710, 1986.
- . RAYNES, J. G.; EAGLING, S. and Mc ADAM, K. P. W. J. - Acute - phase protein synthesis in human hepatoma cells: differential-regulation of serum amyloid A (SAA) and haptoglobin by interleukin-1 and interleukin-6. Clin. Exp. Immunol. 83: 488-491, 1991.
- . ROTTEVEEL, F. T. M.; KOKKELINK, I.; VAN SIER, R. A. W.; KUWNWN, B.; MEAGER, A.; MZEDEMA, F.; LUCAS, C. J. - Clonal analysis of functionally distinct human CD<sub>4</sub> T cell subsets. J. Exp. Med. 168 :1659-1673, 1988.

- SAKANE, T. and GREENE, I. - Human suppressor T cell induced by Concanavalin A: Suppressor T cell belong to distinctive T cell classes. *J. Immunol.* 119: 1169-1178, 1977.
- . SARNO, E. N.; GRAU, G. E.; VIEIRA, L. M.; NERY, J. A. - Serum levels of tumor necrosis factor-alpha and interleukin-1 beta during leprosy reactional states. *Clin. exp. Immunol.* 84: 103-108, 1991.
- SHOU, L.; SCHWARTZ, S. A.; GOOD, R. A. - Suppressor cell activity after Concanavalin A treatment of lymphocytes from normal blood donors. *J. Exp. Med.* 143: 1100-1110, 1976.
- . SILVA, C. L.; FOSS, N. T. - Tumor necrosis factor in leprosy patients. *Journal of Infec. Dis.* 159(4): 787-789, 1989.
- . TAYLOR, A. W.; N. O. KU; MORTENSEN, R. F. - Both human IL1. and IL6 induce synthesis of C-reactive protein (CRP) by PLC/PRF/5 hepatoma cell line. *Ann. N.Y. Acad. Sci.*, 557: 532-533, 1989.
- . VAN SNICK, J. - Interleukin-6: An overview. *Ann. Rev. Immunol.* 8: 253-278, 1990.

- . WHISLER, R. L.; NEWHOUSE, Y. G.; MORTENSEN, R. F. - Modulation of human B lymphocyte colony formation by C-reactive protein. *J. Immunol.*, 130: 248-253, 1983.
  
- . WHISLER, R. L.; NEWHOUSE, Y. G.; MORTENSEN, R. F. - C-reactive protein reduces the promotion of human B-cell colony formation by autoreactive T4 cells and T cell proliferation during an autologous mixed lymphocyte reaction. *Cell Immunol.* 102, 287-298, 1986.
  
- . YAMADA, Y.; KIMBALL, K.; OKUSAWA, S.; VACI LINO, G.; MARGOLIS, N.; SOHN, J.; LI, J. L.; WAKABAYASHI, G.; Mc ADAM, K.; BURKE, J. F.; DINARELLO, C. A.; GELFAND, J. A. - Cytokines, acute phase proteins and tissue injury C - reactive protein opsonizes dead cells for debridement and stimulates cytokine production. *Ann N. Y. Acad. Sci.*, 587: 351-361, 1990.
  
- . YAP, S. H.; MOSHAGE, H. J.; HAZEMBERG, B. P. C.; ROELOFS, H. M. J.; BIZZET, J.; LIMBURG, P. C.; AORDEN, L. A. and VAN RIJWYK, M. H. - Tumor necrosis factor (TNF) inhibits interleukin-1 and/or IL-6 stimulated synthesis of C-reactive protein (CRP) and serum amyloid A (SAA) in primary cultures of human hepatocytes. *Bioch. Bioph. Acta* 1091: 405-408, 1991.

- . ZAHEDI, K. and MORTENSEN, R. F. - Macrophage tumoricidal activity induced by C-reactive protein (CRP). *Cancer Research* 46: 5077-5083, 1986.
  
- . ZAHEDI, K.; TEBO, J. M.; SIRIPONT, J.; KLIMO, G. K. and MORTENSEN, R. F. - Binding of human C-reactive protein to mouse macrophage is mediated by distinct receptors. *The J. of Immunol.* 142:2384-2392, 1989.
  
- . ZELLER, J. M.; KUBAK, B. M.; GEWURZ, H. - Binding sites for C-reactive protein on human monocytes are distinct from IgGFc receptors *Immunol.* 67: 51-55, 1989.