

REFERENCES

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- ADINOLFI M., GLYN A., LINDSAY M. & MILNE C. (1966)**
"Serological properties of antibodies to E coli present in human Colostrum". Immunol.; 10:517.
- ADINOLFI M. (1972)**
"Ontogeny of components of complement and lysozyme". Ciba Foundation Symposium. Assoc. Scient. Publ.; 65:81.
- ADINOLFI M. (1981)**
"Ontogeny of complement, lysozyme, and lactoferrin in man". In "Immunological aspects of infection in the fetus and newborn". eds. LAMBERT H. & WOOD C. Academic Press Inc. London: 19.
- AFIFI A. (1984)**
"Bone marrow study in newborn at risk". Thesis for M.D. Pediatrics. Faculty of Med. Cairo University.
- AGGETT P., HARRIES J., HARVEY B. & SOOTHILL J. (1979)**
"An inherited defect of neutrophil mobility in Schwachman syndrome". Journ. of Pediatr.; 94:391.
- AL-HADITHY H., ADDISON I., GOLDSTONE A., CAWLEY J. & SHAW J. (1981).**
"Defective neutrophil function in low birth weight, premature infants". Journ. Clin. Pathol.; 34:366.
- ALLISON A., DAVIES P. & DE PETRIS S. (1971)**
"Role of contractile microfilaments in macrophage movement and endocytosis". Nature (New biology); 232:153.
- ALLISON A. (1981)**
"Future prospects for the protection of the fetus and newborn". In "Immunologic aspects of infection in the fetus and newborn". Eds LAMBERT H. & WOOD C. Academic Press Inc. London: 227.

ALPER C., COLTEN H., GEAR J., RABSON A. & ROSEN F. (1976)

"Homozygous human C₃ deficiency". Journ. Clin. Invest.; 57:222.

ALTMAN L., FURUKAWA C. & KLEBANOFF S. (1977)

"Depressed mononuclear leukocyte chemotaxis in thermally injured patients". Journ. Immunol.; 119:199.

AMBRUSO D., ALTERBURGER K. & JOHNSON R. (1979)

"Defective oxidative metabolism in newborn neutrophils". Pediatr.; 64(5):722.

AMBRUSO D. & JOHNSTON R. (1982)

"Chronic Granulomatous disease". "Pediatric Pulmonary disease" ADDISSON WESLEY, MENLO PARK (in press). Cited in "Primary and secondary immune deficiency disorders". Eds CHANDRA R. (1983) 1st ed. Churchill Livingstone.

AMBRUSO D. & JOHNSTON R. (1983)

"Defects of phagocyte function". In "Primary and secondary immune deficiency disorders". Eds CHANDRA R. 1st ed. Churchill Livingstone.

AMENT L. & OCHS H. (1973)

"Gastro-intestinal manifestations of chronic granulomatous disease". New Engl. Journ. Med.; 288:382.

AMMANN A. & FUDENBERG H. (1975)

"Immunodeficiency diseases". In "Basic and clinical immunology". Eds STITES D., STOBO J., FUDENBERG H., WELLS J. 5th ed. Lange Medic. Public. Los Altos California.

ANDERSON R., GIOVER A. & RABSON A. (1977)

"The in vitro effects of histamine and metiamide on neutrophil motility and their relationship to intracellular cyclic nucleotide levels". Journ. Immunol.; 118:1690.

ANDERSON D., HUGLLES B., & SMITH W. (1981)
"Abnormal mobility of neonatal polymorphnuclear leukocytes". Journ. Clin. Invest.; 68:863.

ANWAR A., MCKEAN J., SMITHERS S. & KAY A. (1980)
"Human easinophil and neutrophil mediated killing of shistosoma mansoni in vitro". Journ. Immunol.; 124:1122.

ARCHER R. & BROOME J. (1963)
"Bradykinin and eosinophils". Nature; 198:893.

ARMITAGE P. (1974)
"Statistical methods in medical research". 3rd ed. Blackwell Scient. Publ. Oxford, London, Melbourne.

ATHENS J., HAAB O.* & ROAB S. (1961)
"Leukokinetic studies: the total blood, circulating and marginal granulocyte pool and the granulocyte turnover rate in normal subjects". Journ. Clin. Invest.; 40:989.

BACHNER R. (1975)
"Microbe ingestion and killing by neutrophils: normal mechanisms and abnormalities". Clin. Hematol.; 4(3):609-33.

BACHNER R. (1978)
"Disorders of granulopoiesis". In, "Blood diseases of infancy and childhood". SMITH C. 4th ed. St. Louis C.V.

BACHNER R. (1980)
"Neutrophil dysfunction associated with states of chronic and recurrent infection". Pediat. Clin. North Amer.; 27:377.

BAINTON D. (1971)
"The development of neutrophilic leukocytes in human bone marrow, origin and content of azurophilic and specific granules". Journ. Exp. Med.; 134:907.

BALLOW M., GOOD R. & DAY N. (1974)
"Developmental aspects in newborn". Clin. Exp. Immunol.;
18:257.

BAN R. & WHANGBING J. (1975)
"Hemopoetic stem cells in human peripheral blood".
Science; 190:284.

BARBOUR A., ALLERD C., SOLIBERG C. & HILL H. (1980)
"Chemiluminescence by polymorphnuclear leukocytes from
patients with active bacterial infection". Journ.
Infect. Dis; 141:14.

BAUM J, CESTERO R. & FREEMAN R. (1975)
"Chemotaxis of the polymorphnuclear leukocytes and
delayed hypersensitivity in uraemia". Kidney Int.;
7:147.

BEAUDET A., ANDERSON D., MICHELS V., ARION W. & LANGE A.
(1981)
"Neutropenia and impaired neutrophil migration in type 1
B glycogen storage disease". Journ. Pediatr.; 97:906.

BECKER I., ROBINSON O., BAZAN T., LOPEZ-OSUANA M. &
KRETSCHMER R. (1981)
"Bactericidal capacity of newborn phagocytes against
group B betahemolytic streptococci". Immunol.;
34(2):535.

BEIRMAN H. (1961)
"Hemostasis of the blood elements". In "Functions of the
blood". Eds MACFARLANE R. & Robb-SMITH A. Newyork Acad.
Press Inc.: 350-418.

BELLANTI J., CANTZ B., YANG M., VON THADEN H. &
SCHELEGAL (1970)
"Leukocyte maturation: G₆PD activity and NBT dye
reduction". Pediatr. Res.; 4:462.

BELLANTI J., NERURKAR L., ZELIGS B., PETERS S., GREEN I. & VIDIC B. (1975)

"Postnatal development of rabbit alveolar macrophages" Journ. Reticuloendoth. Soc.; 18(6):27.

BERLIN R., FERRA J., & PFEIFFER J. (1979)

"Reversible phagocytosis in rabbit polymorphnuclear leukocytes". Journ. Clin. Invest.; 63:1137.

BIANO C., PATRICK R. & NUSSENZWEIG Y. (1970)

"A population of lymphocytes bearing a membrane receptor for antigen-antibody-complement complexes". Journ. Exp. Med; 132:702.

BINDER V. & RIIS P. (1977)

"Leukocyte chemotactic function in patients with ulcerative colitis". Scand. Journ. Gastroentrol; 12:141.

BLEASE R. (1975)

"Macrophages and the development of immunocompetence". In "The phagocytic cell in host resistance". Eds BELLANTI J. & DAYTON D. Raven Press New York: 309.

BLUME R. & WOLFF S. (1972)

"The Chediak-Higashi syndrome studies of four patients and a review of literature". Medicine; 51:247.

BOGGS D. (1975)

"Physiology of neutrophil proliferation maturation and circulation". Clin. Hematol.; 4(3):535.

BONER A., ZELIGS B., & BELANTI J. (1982)

"Chemotactic responses of various differentiatinal stages of neutrophils from human cord blood". Infect. and Immun.; 35(3);921.

BOXER L., HEDLY-WHITE E. & STOSSEL T. (1976)

"Neutrophil actin dysfunction and abnormal neutrophil behavior". New Eng. Journ. Ned.; 291:1093.

BOXER L., WATANABE A., RISTER M., BESCH H., ALLEN J. & BAEHNER R. (1976)

"Correction of leukocyte function in Chediak-Higashi syndrome by ascorbate". New Eng. Journ. Med.; 295:1014.

BOXER L. (1978)

"Function and Leukocyte disorders in newborn infants". Clin. Hematol.; 7:123.

BOXER L. & STOSSEL T. (1983)

"Quantitative abnormalities of neutrophils". In "Hematology". Eds WILLIAM J., BEUTLER E., ERSLEV A & LICHTMAN M. 3rd ed. Megraw-Hill Book Co. Newyork: 802.

BROCKLEHURST W. (1960)

"The release of histamine and formation of a slow reacting substance (S.R.S.) during anaphylactic Shock". Journ. Physiol. (London); 151:416.

BROOME J. & ARCHER R. (1962)

"Effect of equine eosinophils on histamine in vitro". Nature. London; 193:446.

BROXMEYER H., SMITHYMAN A., EGER R., MEYERS P. & DESOUSA M. (1978)

"Identification of lactoferrin as the granulocyte derived inhibitor of colony-stimulating activity production". Journ. Exper. Med.; 148:1052.

BULLOCK J., ROBERTSON A., BODENBENDER M. & KONTRAS S. (1969)

"Inflammatory response in the neonates". Pediatr.; 44:58.

BURGE P., JOHNSTON W. & HAMWARD A. (1976)

"Neutrophil pyruvate kinase deficiency with recurrent staphylococcal infection; 1st reported case". Brit. Med. Journ.; 1:742.

BUSSE W. & SOSMAN J. (1976)

"Histamine inhibition of neutrophil lysosomal enzyme release; an H₂ histamine receptor response". Science; 194:737.

CHIROCO G., MARCONI M., COLOMBO A., & RONDINI G. (1983)

"Deficiency of neutrophil phagocytosis in premature infants; effect of vit E supplementation". Acta Pediatr. Scand.; 72(4):521-24.

CHUSED M., PISCIOTTA A., DUQUESNOY R. & CAMITTA B. (1980)

"Congenital neutropenia". Am. Journ. Hematol.; 8:315.

CLINE M. (1975)

"The white cell". Harward Univers. Press. Cambridge.

CLINE M. & MARRY T. (1980)

"Phagocytosis". In "Clinical immunology". Eds PARKER W. Saunders Co. Phil. Lond. Toronto : 299.

COCCHI P. & MARIANELLI L. (1967)

"Phagocytosis and intracellular killing of pseudomonas aeruginosa in premature infants". Hel. Pediatr. Acta.; 22:110.

COCHRANE C., WUEPPER K., AIKEN B., REVEAK S. & SPIEGELBERG H. (1972)

"The interaction of Hageman factor and immune complexes". Journ. Clin. Invest.; 51:2736.

COEN R., GRUSH O. & KAUDER E. (1969)

"Studies of bactericidal activity and metabolism of the leukocyte in fullterm neonates". Journ. Pediatr.; 75:400.

COHEN J. (1983)

"Mechanisms of adaptive immunity". In "Pediatric immunology". Soothill J., HAYWARD A. & WOOD C. 1st ed. Blackwell Scientific Publ.; 2:11.

COOPER N., JENSEN F., WELSH R. & OISATONE M. (1976)
"Direct antibody independent triggering of classical complement pathway". Journ. Exp. Med.; 144:970.

CRONKITE E. (1979)
"Kinetics of granulopoiesis". Clin. Hematol.; 8:351.

CROWLEY C., CURNUTTE J., ROSIN R., ANDRE-SCHWARTZ J.,
GALLIN J., KLEMPNER M., SNYDERMAN R., SOUTHWICK F.,
STOSSEL T. & BABIOR B. (1980)
"An inherited abnormality of neutrophil adhesion, its genetic transmission and its association with a missing protein". New Engl. Journ. Med.; 302:1163.

DACIE J. & LEWIS S. (1975)
"Practical Hematology". 5th ed. Churchill
Livingstone:127.

DAHL M., BRUNNING R. & QUIE P. (1976)
"Infection, dermatitis, increased IgE, and impaired neutrophil chemotaxis". Arch. Dermat.; 112:1387.

DAVIDSON W. (1968)
"Inherited variation in leukocytes". Semin. Hematol.; 5:225.

DAVIS S., SCALLER J. & WEDGWOOD R. (1966)
"Job's syndrome: Recurrent cold staphylococcal abscesses". Lancet:1013.

DAVIS A., BLUM P. & QUIE P. (1971)
"Studies on opsonic activity for E. coli in premature infants after blood transfusion". Soc. Pediatr. Res.:233.

DAVIS J., DINEEN P. & GALLIN J. (1980)
"Neutrophil degranulation and abnormal chemotaxis after thermal injury". Journ. Immun.; 124:1467.

- DENT P., FISH L., WHITE J. & GOOD R. (1966)
 "Chediak-Higashi syndrome: Observations on the nature of the associated malignancy". Lab. Invest.; 15:1634.
- DESNICK R., SHARPH., GRABOWSKI G., BRUNNING R., QUIE P., SUNG J., GORLIN R. & IKONE J. (1976)
 "Mannosidosis: Clinical, morphologic, immunologic and biochemical studies". Pediatr. Res.; 10:985.
- DILWORTH J. & MANDELL G (1977)
 "Adults with Chronic granulomatous disease of childhood" Am. Journ. Medic.; 63:233.
- DJALDETTI M., BESSLER H., FISHMAN P., VANDE LYN E. & JOSHLLA H. (1974)
 "Ultrastructural features of the granulocytes in Down's syndrome". Scand. Journ. Hematol.; 12:104.
- DOSSETT J., WILLIAMS R. & QUIE P. (1969)
 "Studies on interaction of bacteria, serum factors and PMNLs in mothers and newborns". Pediatr.; 44:49.
- DRUTZ D. & MILLS J. (1985)
 "Immunity and infection". In "Basic and Clinical immunology" STITES D., STOBO J., FUDENBERG H., WELLS J, 5th ed. Lange Medic.Publ. Los Altos California.
- DUKOR P., SCHUMANN G., GISLER R., DIERICH M., KONIG W. & HADING G.. (1974)
 "Complement dependent B-cell activation by carbora venom factor and other mitogens". Journ. Exp. Med.; 139:337.
- EIFE R., EIFE G. AUGUST C., KUHRE W. & STRAEHR-JOHANSEN K. (1974)
 "Lymphotoxin production and blast cell transformation by cord blood lymphocytes: Dissociated lymphocyte function in newborn infants:. Cell Immunol.; 14:435.
- EITZMAN D. & SMITH R. (1959)
 "The non-specific inflammatory cycle in the neonatal infant". Am. Journ. Dis. Child.; 97:326.

EL NAGAR M., (1979)

"Studies on some leukocyte constituents of high risk newborn babies". Thesis for M.D. pediatrics Faculty of Med. Cairo-University.

ESCHENBACH C., (1981)

"Chemiluminescence of polymorphnuclear leukocytes in neonates bacterial infections". Monatsschr-Kinderheikd 129(11):640.

ESTERLY J., STURNER W., ESTERLY N. & WINDHORST D. (1971)

"Disseminated B.C.G. in twin boys with presumed chronic granulomatous disease of childhood". Pediatr.; 48:141.

EZER G. & SOOTHILL J. (1974)

"Intracellular bactericidal effects of rifampcin in both normal and chronic granulomatous disease polymorphs". Arch. Dis. Child.; 49:463.

FERRERIA S.H. & VANE J.R. (1974)

"New aspects of the mode of action of non-steroid anti-inflammatory drugs". Ann. Rev. Pharmacol.; 14:57.

FLIEDNER T.M., CRONKITE E.P. & ROBERTSON J.S. (1964)

"Granulopoesis: Senescence and random loss of neutrophilic granulocytes in humanbeings". Blood; 24:402.

FONTAN G., LORENTE F., RODRIGUE G. & OJEOA J. (1976)

"Defective neutrophil chemotaxis and hyperimmunoglobulinemia E- a reversible defect?". Acta. Pediatr. Scand.; 65:509.

FONTAN G., LORENTE F., RODRIGUE G. & OJEDA J. (1979)

"Granulocyte adherence in umbilical cord". Journ. of Pediatr.; 94:969.

FORMAN M.L. & STEIHM E.R. (1969)

"Impaired opsonic activity in low birth weight infants". New Engl. Journ. Med.; 281:926.

FRAZIER J.P., CLEARY T.G., PICKERING L.K. & ROSS P.J. (1982)

"Leukocyte function in healthy neonates following vaginal and cesarean section deliveries". Journ. Pediatr.; 101(2):269.

GADEBUSHI H. (1979)

"Phagocytes and cellular immunity". CRS Press Inc. Florida; 2-42.

GALLEN J. WOLFF S. (1975)

"Leukocyte chemotaxis: Physiological considerations and abnormalities". Clin. Hematol.; 4(3): 567.

GANONG W. (1985)

"Review of medical physiology". 12th ed. Lange Medical Publication.

GIORDANO C. & LICHTMAN M. (1973)

"Marrow cell egress". Journ. of Clin. Invest.; 52:1154.

GITLIN D., ROSEN F. & MICHAEL J. (1963)

"Transient 195 gammaglobulin deficiency in the newborn infant and its significance". Pediatr.; 31:197.

GLUCK L. & SILVERMAN W. (1957)

"Phagocytosis in premature infants". Pediatr.; 20:951.

GOLDE D. & CLINE M. (1974)

"Regulation of granulopoiesis". New Engl. Journ. Med.; 291:1388.

GOLDSTEIN I., CERQUEIRA M., LIND S. & KAPLAN H. (1977)

"Superoxide generating system of human leukocytes". Journ. Clin. Invest.; 59:249.

GOMEZ E., GOMEZ G. & RAMOS O. (1979)

"Postnatal phagocytic maturation". (Author's transl.). Arch. Invest. Med. (Mex.); 10(3):151.

GRADDOCK P., YAWATA Y., VAN SANTEN L., GILBERSADT S., SILVIS S. & JACOB H. (1974)

"Acquired phagocyte dysfunction: a complication of the hypophosphatemia of parenteral hyperalimentation". New Engl. Journ. Med.; 290:1403.

GRESSER I, VERROUST P., RNIERE Y. & GUILLAN J. (1978)

"Anti-interferon globulins inhibits the development of glomerulonephritis in mice infected with lymphatic choriomeningitis virus". Proceeding of the National Academy of Science U.S.A.; 75:3413.

HALIOTIS T., RODER J., KLEIN M., ORTALDO., FAUCI A. & HERBERMAN R. (1980)

"Chediak-Higashi gene in human; I: Impairment of natural killer function". Journ. Exp. Med.; 151:1039.

HAYWARD A., HARVEY B., LEONARD J., GREENWOOD M., WOOD C. & SOOTHILL J. (1979)

"Delayed umbilical cord separation; widespread infections and defective neutrophil mobility". Lancet i:1099.

HAYWARD A. (1981)

"Development and maturation of immunity in the newborn". In "Immunologic aspects of infection in the fetus and newborn". Eds LAMBERT H. & WOOD C. Academ Press. Lond. Newyork Sydney:107.

HAYWARD A. (1983)

"Development of immunity mechanism". In "Pediatric immunology". Eds SOOTHILL J., HAYWARD A. & WOOD C. Blackwell Scient Publ:48.

HARRIS M., STROBANT J., CODY C., DOUGLAS S. & POLIN R. (1983)

"Phagocytosis of group B streptococcus by neutrophils from newborn infants". Pediatr. Res.; 17:358.

HARTLE P. (1974)

"Drug induced agranulocytosis in blood disorders due to drugs and other agents". Eds GIRDWOOD R. Expert. Medic. Amsterdam:147.

HENDERSON L., MILLER M., HAMILTON R. & NORMAN M. (1975)

"Hemodialysis leukopenia and polymorphs random mobility; a possible correlation". Journ. Lab. Clin. Med.; 85.

HERMAN J., ROSNER I., DAVIS A., ZEIGHER R., ARNAOUT M. & LOLTEN M. (1979)

"Complement dependent histaminase release from human granulocytes". Journ. Clin. Invest.; 63:1195.

HILL H., OCHS H., QUIE P., CLARCK P., PABST H., KLEBANOFF S. & WEDGWOOD R. (1974)

"Defect in neutrophil granulocyte chemotaxis in Job's syndrome of recurrent cold staphylococcal abscesses". Lancet ii:617.

HILL H. & QUIE P. (1974)

"Raised serum IgE levels and defective neutrophil chemotaxis in three children with eczema and recurrent bacterial infections". Lancet i:183.

HILL H., ESTENSER R., HOGAN N. & QUIE P. (1976)

Severe staphylococcal disease associated with allergic manifestations, hyperimmunoglobulinemia E and defective neutrophil chemotaxis". Journ. Labor. Clin. Medic.; 88:796

HILL H., HOGAN N., BALE J. & HERMING V. (1977)

"Evaluation of non-specific (alternative pathway) opsonic activity by neutrophil chemiluminescence". Int. Arch. Allergy Appl. Immunol.; 53(6):490.

HILL H., SHIGEOKA A., HALL R. & HERMING V. (1979)

"Neonatal cellular and humoral immunity to group B streptococci". Pediatr.; 64:787.

HIRCH J. (1962)

"Cinematographic observations on granule lysis in PMNLs during phagocytosis". Journ. Exp. Med.; 116:827.

HOGAN N. & HILL H. (1978)

"Enhancement of neutrophil chemotaxis and alteration of levels of cellular cyclic nucleotides by levamisole". Journ. Infect. Dis.; 138:437.

HOLMES B., AGE A. & GOOD R. (1967)

"Studies of the metabolic activity of leukocytes from patients with agenic abnormality of phagocytic function". Journ. clin. Invest.; 46:142.

HOLMES B., PARK B., MALAWISTA S., QUIE P., NELSON D. & GOOD R. (1970)

"Chronic granulomatous disease in females; a deficiency of leukocyte glutathione peroxidase". New Engl. Journ. Med.; 283:217.

HOSKING C., FITZGERALD M. & SHELTON M. (1977)

"Results of immune function testing in children with recurrent infection". Aust. Pediatr. Journ. (suppl.); 13:61.

ISHIZAKA K., TOMIOKA H., & ISHIZAKA T. (1970)

"Mechanism of passive sensitization: Presence of IgE and IgG molecules on human leukocytes". Journ. Immunol.; 105:1459.

JOHNSON R., ATENBUTGER K., ATKINSON A. & CURRY R. (1979)

"Complement in the newborn infant". Pediatr.; 64:781.

JOHNSTON R. & MCPHAIL L. (1980)

"The patient with impaired phagocytic function". In "Immunology of human infection". Eds NAHMA & O'RELLY. Plenum Press. New York (in press). Quoted from "Primary and secondary immunodeficiency disorders". Eds CHANDRA R. 1st ed. Churchill Livingstone (1983); 10:138.

KAPLAN A., KAY A. & AUSTEN K. (1972)

"A prealbumin activator of prekallikrein appearance of chemotactic activity for human neutrophils by the conversion of human prekallikrein to kallikrein". Journ. Exp. Med.; 135:81.

KAPLAN A., GOETZL E., & AUSTEN K. (1973)

"The fibrinolytic pathway of human plasma. The generation of chemotactic activity by activation of plasminogen reactivator". Journ. Clin. Invest.; 52:2591.

KAPLAN A. & AUSTEN K. (1975)

"Activation and control mechanisms of Hageman-factor dependent pathways of coagulation, fibrinolysis and kinin generation and their contribution to the inflammatory response". Journ. Allergy. Clin. Immunol.; 56:491.

KAY A., PEPPER D. & EWART M. (1973)

"Generation of chemotactic activity for leukocytes by the action of thrombin on human fibrinogen". Nature New Biol.; 243:56.

KLEBANOFF S. (1975)

"Antimicrobial mechanisms in neutrophilic polymorphnuclear leukocytes". Semin. Hematol.; 12:117.

KLEBANOFF S. & CLARK R. (1978)

"The neutrophil: Function and clinical disorders". North Holland. Amsterdam; 12:117.

KLEIN R., FISHER T., GARD S., BIBERSTEIN M., RICH K. & STEIHM E. (1977)

"Decreased mononuclear and polymorphnuclear chemotaxis in newborns". Pediatr.; 60:467.

KLEIN, M., RODER J., HALIOTIS T., KOREC S., JEFF J.
HERBERMAN R., KATZ P. & FAUCI A. (1980)

"Chediak Higashi gene in humans: I; The selectivity of the defect in natural killer and antibody dependent cell mediated cytotoxicity function". Jour. Exp. Med.; 151:1049.

KOBAYASHI Y. & USUI T. (1982)

"Opsonic activity of cord serum". Pediatr. Res; 16:243.

KOOPMAN W., SANOBORG A., WAHL S. & MERGENHAGEN S. (1976)

"Interaction of soluble C₃ fragments with guinea pigs lymphocytes. Comparison of effects of C_{3a}, C_{3b}, C_{3c} and C_{3d} on lymphokine production and lymphocyte proliferation". Journ. Immunol.; 117:331.

KRAUSE P., MADERAZO E. & SCROGGS M. (1982)

"Abnormalities of neutrophil adherence in newborns". Pediatr.; 69(2):184.

KURKCUOGLU M. & MCELFRESH A. (1960)

"Determination of the concentration during the neonatal period and presentation of a case of Hageman factor deficiency". Journ. Pediatr.; 57:61.

KYLE R. (1980)

"Natural history of chronic idiopathic neutropenia". New Engl. Journ. Med.; 302:908.

LALEZARI P. & RADELL E. (1974)

"Neutrophil specific antigens, immunology and clinical significance". Semin. Hematol; 11:281.

LICHTMAN M. (1983)

"Classification of neutrophil disorders". In "Hematology". Eds WILLIAM J. BEUTLER E. ERSLEV A. & LICHTMAN M. 3rd ed. McGraw-Hill Book Co; 86.

LOREN A., MAGGI J., SCOTT J., ANDERSON C., NIWA Y. & YOKO YAMA M. (1982)

"Evaluation of neonatal neutrophil function using the combined immunobead/NBT dye reduction assay". Journ. Clinic. Lab. Immunol.; 7(1):71.

LOREN A., YOKOYAMA M. & FOSSLIEN. (1982)

"Improved immunodiagnosis of neutrophil dysfunction in the newborn and infant". Ann. Clin. Lab. Sc.; 12(2):111.

LORENTI F., FERRO R., MARZETTI G., ROSSINI M., BUCCI G. (1980)

"Neutrophil chemotaxis in preterm infants with infections". Journ. Pediatr.; 96 (3) I:468.

MANDELL G. (1974)

"Bactericidal activity of aerobic and anaerobic polymorphnuclear neutrophils". Infect. Immunol.; 9:337.

MANRO B. (1979)

"The neonatal blood count in health and disease". Journ. Pediatr.; 95:89.

MATHEIZ J. & ALLEN J. (1979)

"Fatigue of human PMNLs function associated with bacterial ingestion". Clin. Immunol. Immunopathol.; 12:125.

MATOTH Y. (1952)

"Phagocytic and ameaboid activities of the leukocytes in the newborn infant". Pediatr.; 9:748.

MCCRACKEN G. & EICHENWALD H. (1971)

"Leukocyte function and the development of opsonic and complement activity in the neonate". Am. Journ. Dis. Child.; 121;120.

MEASE A., BURGESS D., & THOMAS P. (1981)

"Irreversible neutrophil aggregation". Am. Journ. of Pediatr., 104(1):98.

MICHAEL J. & ROSEN F. (1963)

"Association of natural antibodies to gram -ve bacteria with the gamma 1-macroglobulin". Journ. Exp. Med.; 118:619.

MICHAEL J. (1969)

"Natural antibodies". Curr. Top. Microbiol. Immunol.; 48:43.

MILES A. (1969)

"A history and review of the kinin system". Proc. R. Soc. (Biol).; 173:341.

MILLER M. (1969)

"Phagocytosis in the newborn infant : Humoral and Cellular factors". Journ. Pediatr.; 74:255.

MILLER M. (1971)

"Chemotactic function in human neonates: Humoral and cellular aspects". Pediatr. Res.; 5:487.

MILLER M. (1971)

"Demonstration and replacement of a functional defect of the fifth component of complement in newborn serum; a major tool in therapy of neonatal septicemia". Pediatr. Res.; 5:379.

MILLER M. (1975)

"Pathology of chemotaxis and random mobility". Semin. Hematol.; 12:59.

MILLER M., LAZARY S. & HITZIG W. (1976)

"Production of migration inhibitory factor and blast cell transformation". Int. Arch. Allergy. Appl. Immunol.; 50:493.

MILLER M. (1979)

"Phagocyte function in the neonates: Selected aspects". Pediatr.; 65(5): 709.

MILLS E.L., THOMPSON T., BJORKSTEIN B., FILIPOVICH D. & QUIE P. (1979)

"The chemiluminescence response and bactericidal activity of polymorphnuclear neutrophils from newborns and their mothers". *Pediatr.*; 63(3):429.

MINTA J., JEZYK P. & LEPOW I. (1976)

"Distribution and levels of properdin in human body fluids". *Clinic. Immunol. and Immunopathol.*; 5:84.

MIYAMATO K. (1965)

"Phagocytic activity of leukocytes in premature infants; comparison of the phagocytic activity of leukocytes between premature and fullterm infants". *Hiroshima Journ. Med. Sci.*; 14:9.

MIYAZAKI S., SHIN H., KAKUDA S., TOMOKA Y. & GOYA N. (1982)

"Neutrophil function in newborns". *Tohoku. Journ. Exp. Med.*; 137:207.

MOWAT A. & BAUM J. (1971)

"Chemotaxis of polymorphnuclear leukocytes from patients with rheumatoid arthritis". *Journ. Clin. Invest.*; 50:2541.

NATHAN C., MURRAY H. & COHNZ A. (1980)

"Macrophages as an effector cell". *New Engl. Journ. Med.*; 303:622.

ODEBERG H. & OLSSON I. (1976).

"Mechanisms for the microbicidal activity of human granulocytes". *Infect. Immun.*; 14:1269.

OLWER J. (1978)

"Cell biology of leukocyte abnormalities". *Am. Journ. Patholog.*; 93:221.

OPPENHEIM J., RUSCETTI F. & STEEG P. (1985)

"Interleukines and interferons". In "Basic and clinical immunology". Eds STITES D., STOBO J., FUDENBERG M., & WELLS J. 5th ed. Lange Medic. Public. Los Altos California.

OSSERMAN F. (1976)

"Postulated relationship between lysozyme and immunoglobulins as mediators of macrophage and plasma cell functions". Advances in Pathobiol.; 4:98.

PAHWA S., PAHWA R., GRIMES E. & SMITHWICK E. (1977)

"Cellular and humoral components of monocytes and neutrophils chemotaxis in cord blood". Ped. Res.; 11:677.

PARK B., HOLMES B. & GOOD R.A. (1970)

"Metabolic activities in leukocytes of newborn infants". Journ. Pediatr.; 76:237.

PEDERSEN F., JOHNSTON S., ROSENKRIST G. & ZALIRIUS N. (1979)

"Refractory pneumocystis carinii infection in chronic granulomatous disease". Pediatr.; 64:935.

PICK E. & TURK J. (1972)

"The biological activities of soluble lymphocyte products". Clinic. Exp. Immunol.; 10:1.

POITRINE A., CHOUSTERMANN S., CHOUSTERMANN M., NAVEAU S., THANG M. & CHAPUT J. (1985)

"Lack of in vivo activation of the interferon system in HBs Ag-positive chronic active hepatitis". Hepatol.; 5(2):171.

QUESENBERRY P. & LEVITT L. (1979)

"Haematopoietic stem cells". New Engl. Journ. Med.; 301:755.

QUIE P. & MILLS E. (1979)

"Bactericidal and metabolic function of PMNLs".
Pediatr.; 64 (5 Pty 2 suppl.): 719.

RACE R. & SANGER P. (1968)

"Blood groups in man". Oxford and Edeinburg Blackwell
Scientific Publ.

RAY C. (1970)

"The ontogeny of interferon production by human
leukocytes". Journ. Pediatr.; 76:94.

REBUCK J., BARTH C. & PETZ A. (1968)

"New leukocytic dysfunction at the inflammatory sites in
Hegglin's, Harler's and Pelger-Haet anomalies states".
Fed Proc.; 22:427.

REED P. (1969)

"Glutathione and the hexose monophosphate shunt in
phagocytosing and hydrogen peroxide-treated rat
leukocytes". Journ. Biol. Chem.; 244:2459.

REPO H., JOKOPI M., LEIRISAL M. & KOSUMEN T. (1980)

"Leukocyte mobility in the newborn: Determination of
spontaneous movement is essential in the vitro
assessment of neutrophil chemotaxis". Clin. Exp.
Immunol.; 40:620.

ROITT I, BROSTOFF J. & MALE D. (1985)

"Immunology". 1st ed. Churchill Livingstone-Gower
Medical Publishing London-New York.

ROOT R., ROSENTAL A. & BALESTRA D. (1972)

"Abnormal bactericidal metabolic and lysosomal functions
of Chediak-Higashi syndrome leukocytes". Journ. Clin.
Invest.; 51:649.

RUDDY S., KLEMPERER M., ROSEN F., AUSTIN K. & KUMATE J. (1970)

"Hereditary deficiency of the second component of complement in man: Correlation of C₂ haemolytic activity with immunochemical measurements of C₂ proteins". Immunology.; 18:943.

RYAN G. (1974)

"Inflammation: Mediators of inflammation". Pathol.; 152:272.

SACCHI F., RONDINI G., MINGRAT G., STRONATI M., GANCIA G., MARSELGIA G. & SICCARDI A. (1982)

"Different maturation of neutrophil chemotaxis in term and preterm newborn infants". Journ. Pediatr.; 101(2):273.

SADEM N, YAFFE D. & EFRATI P. (1965)

"Cytochemical and Genetic studies in four cases of Chediak-Higashi Syndrome". Acta Hematol.; 34:20.

SATO T. (1959)

"The phagocytosis of india pink by leukocytes in premature infants". Nigata. Med. Journ.; 73:24.

SBARRA A. & KARNOVSKY M. (1959)

"The biochemical basis of phagocytosis: Metabolic changes during the ingestion of particles by polymorphnuclear leukocytes". Journ. Biol. Chem.; 234:1355.

SCHOPFER K. & DOUGLAS S. (1976)

"Neutrophil function in children with kwashiorkor". Journ. Lab. Clin. Med.; 88:450.

SCHWACHMAN H., DIAMOND L., OSKI F. & KHAW K. (1964)

"The syndrome of pancreatic insufficiency and bone marrow dysfunction". Journ. Pediatr.; 65:645.

SCHWARTZ E. & GILL M. (1983)

"Hematology in the newborn". In "Hematology" Eds William J., BEUTLER E., ERSLEV A. & LICHTMAN M. 3rd ed. McGraw-Hill Book Co. New York:37.

SEGAL A., CLARCK J. & ALLISON A. (1978)

"Tracing the fate of oxygen consumed during phagocytosis by human neutrophils with $^{15}\text{O}_2$ ". Clin. Sci. Mol. Med.; 55:413.

SEGAL A., DORLING J. & COADE S. (1980)

"Kinetic of fusion of the cytoplasmic granules with phagocytic granules in human PMNL: Biochemical and morphological studies". Journ. Cell. Biol.; 84:42.

SEGAL A. & JONES O. (1980)

"Absence of cytochrome b reduction in stimulated neutrophils from both female and male patients with chronic granulomatous disease". Febs. Letters: 110, 111.

SEGAL A., GEISOW M., GARCIA R., HARPER A. & MILLER R. (1981)

"The respiratory burst of phagocytic cells is associated with a rise in vacuolar pH". Nature; 290:406.

SEGAL A. & SOOTHILL J. (1983)

"Phagocytes". In "Pediatric immunology". 1st ed. SOOTHILL J., HAYWARD A. & WOOD C. Blackwell scient. Publ.:37.

SEGER R., WILDFEUER A., BUCHINGER G., ROMEN W., CATTY D., DYBAS L., HAFERKAMP O. & STREDER J. (1976)

"Defects in granulocyte function in various chromosomal abnormalities". Klin. Wschr.; 54:177.

SENN H., CHILL B. & HOLLAND J. (1970)

"Experimental and clinical studies on muramidase (lysozyme); muramidase activity of normal human blood cells and inflammatory exudates". Acta Hematol.; 4:65.

SETH V. & CHANDRA R. (1972)

"Opsonic activity, phagocytosis and bactericidal capacity of polymorphs in undernutrition". Arch. Dis. Child.; 47:282.

SHAPIRO R., BEATTY D. & WOODS D. (1981)

"Serum complement and immunoglobulin values in small for gestational age infants". Journ. Pediatr.; 99:139.

SHIGEOKA A., HALL R. & HILL H. (1978)

"Blood transfusion in group B streptococcal sepsis". Lancet i:636.

SHIGEOKA A., SANTOS J. & HILL H. (1979)

"Functional analysis of neutrophil granulocytes from healthy, infected, stressed neonates". Journ. Pediatr.; 95:454.

SHIGEOKA A., CHARETTE R., WYMAN M. & HILL H. (1981)

"Defective oxidative metabolic responses of neutrophil from stressed neonates". Journ. Pediatr.; 98(3):392.

HILOTRI P. (1977)

"Glycolytic hexose monophosphate shunt and bactericidal activities of leukocytes in ascorbic acid deficient guinapigs". Journ. Nutr.; 107:1507.

SNYDER J. & MCINTOSH J. (1976)

"Biochemistry and physiology of microtubules". Am. Res. Biochem.; 45:699.

SNYDERMAN R., ROGERS E., & BUCKLEY R. (1977)

"Abnormalities of leukotaxis in atopic dermatitis". Journ. Allerg. Clinic. Immunol.; 80:121.

SOLBERG C., KALAGER T., HILL R. & GLETTE J. (1982)

"Polymorphnuclear leukocyte function in bacterial and viral infections". Scand. Journ. Infect. Dis.; 14:11.

STEIHM E. & FUDENBERG H. (1966)

"Serum levels of immunoglobulins in health and disease".
Pediatr.; 37:715.

STEIHM E., MILLER A., ZELTZER P., KATZ R. & SAPSE A. (1971)

"Secretory defense system (S.D.S.) in health and disease". Pediatr. Res.; 5:381.

STJERNHOLM R. & MANAK R. (1970)

"Carbohydrate metabolism during phagocytosis".
Reticuloend.; 8:550.

STOSSEL T. (1974)

"Phagocytosis" (third of three parts). New Engl. Journ.
Med.; 290(13):833.

STOSSEL T. & HARTWIG J. (1976)

"Interaction of actin, myosin and new actin binding
protein of rabbit pulmonary macrophage". Journ. Cell.
Biol.; 68:102.

STOSSEL T., HARTWIG J., YIN H. & STENDAHL O. (1980)

"The motor of ameboid leukocytes". Biochem. Soc. Symp.;
45:51.

STRAUSS R. & STEIFERT M. (1978)

"Oxidative metabolism in cord blood PMNLs". Arch. Dis.
Child.; 53(1):78.

STRAUSS R., ROSENBERGER T. & WALLACE P. (1980)

"Neutrophil chemiluminescence during the first month of
life". Acta Hematol.; 63:326.

THOMPSON E. & SOOTHILL J. (1970)

"Chronic granulomatous disease: Quantitative
clinicopathological relation ship". Arch. Dis. Child.;
45:24.

TURNER M. (1983)

"Complement defect." In "Pediatric immunology". 1st Ed
SOOTHILL J., HAYWARD A. & WOOD C. Blackwell Scient.
Publ.:212.

VALLOTA E. & MULLER-EBERHARD H. (1973)

"Formation of C_{3a} and C_{5a} anaphylatoxins in whole human
serum after inhibition of the anaphylatoxin
inactivators". Journ. Exp. Med.; 137:1109.

**VANDIJK W., VERBURGH H., VANDERTOL M., PETERS R. &
PETERSON P. (1980)**

"Interactions of phagocytic and bacterial cells in
patients with bacteremia". Journ. Infect. Dis.;
141:441.

VAN EPPS D., GOODWIN J. & MURPHY S. (1978)

"Age dependent variations in PMNLs. Chemiluminescence"
Infect. Immunol.; 22(1):57

VANSCOY R., HILL H., RITTS R. & QUIE P. (1975)

"Familial neutrophil chemotaxis defect, recurrent
bacterial infections, mucocutaneous candidiasis and
hyperimmunoglobulin E.". Ann. Intern. Med.; 82:766.

WALTER J. & ISRAEL M. (1979)

"General pathology: The inflammatory reaction".
Churchill Livingstone 5th ed: 71,85.

WARD P. (1972)

"Natural and synthetic inhibitors of leukotaxis". In
"Inflammation: Mechanisms in control". LEPOW I. & WARD
P. New York, Academic Press.

WARD P., COHENS S. & FLANAGAN T. (1972)

"Leukotactic factors elaborated by virus infected
tissues". Journ. Exp. Med.; 135:1095.

- WARD P., CHAPITIS J., CONROY M. & LEPOW I. (1973)**
 "Generation of bacterial proteinases of Leukotactic factors from human serum C₃ and C₅". Journ. Immunol.; 110:1003.
- WARD P. (1974)**
 "Leukotaxis and Leukotactic disorders: a review". Am. Journ. Pathol.; 77:520.
- WEETMAN R. & BOXER L. (1980)**
 "Childhood neutropenia". Ped. Clin. North America.; 27(2):361.
- WEHINGER H. & HOFACKER M. (1976)**
 "Latex phagocytosis by polymorphnuclear leukocytes". Eur. Journ. Pediatr.; 123(2):125.
- WELLS J. (1985)**
 "Immune mechanism and tissue reaction". In "Basic and clinical immunology". STITES D. STOBO J., FUDENBERG H. & WELLS J. 5th ed. Lange Medic. Public. Los Altos California.
- WILKINSON P. (1977)**
 "Neutrophil leukocyte function tests". In "Techniques in clinical immunology". THOMPSON R. 1st ed. Blackwell Scientific Publications.
- WINKELSTEIN J. (1973)**
 "Opsonins: Their function, identy and clinical significance". Journ. Pediatr.; 82(5):747.
- WINTER H., BRYSON Y., GARD S., FISCHER T. & STERHM E. (1978)**
 "Deficiency of migration inhibition factor and immune interferon production in lymphocytes of normal newborns". Pediatr. Res.; 12:488.

WINTROBE M., LEE R., BOGGS D., BITCHELL T. & FOERSTER J. (1981)

"Origin and development of the blood and blood forming tissues". In "Clinical hematology". 7th ed. Lear and Sebigenco. Philadelphia:47-54.

WRIGHT D., KIRKPATRICK C. & GALLIN J. (1977)

"Effects of levamisole on normal and abnormal leukocyte locomotion". Journ. Clin. Invest.; 59:941.

WRIGHT D., DALE D., FAUCI A. & WOLFF S. (1981)

"Human cyclic neutropenia: clinical review and long term follow up of patients". Medicine; 60:1.

XANTHOU M., VALASSI-ADAM E., KINTZONILOU E. & MATSANIOTIS N. (1975)

"Phagocytosis and killing ability of candida albicans by blood leukocytes of healthy term and preterm babies". Arch. Dis. Child.; 50:72.