References

Abdulahad WH, Stegeman CA, van der Geld YM, et al. (2007): Functional defect of circulating regulatory CD4+ T cells in patients with Wegener's granulomatosis in remission. Arthritis Rheum 56:2080–91.

Abou-Hussein HH., El-Khawaga AM. and Wahab AA. (**2005):** C-reactive protein as a marker for early-onset neonatal sepsis: The good, the better and the best. The Egyptian Journal of Neonatology; 6 (3): 151-159.

Ahrens P., Kattner E., Kohler B., **Hartel C., Seidenberg J., Segerer H. et al.** (**2004):** Mutations of genes involved in the innate immune system as predictors of sepsis in very low birth weight infants. Pediatr Res; 55: 652-56.

Angus DC. and Wax RS. (2001): Epidemiology of sepsis: an update. Crit Care Med; 29: 109-16.

Anwer SK., Mustafa S. and Pariyani S. (2000): Neonatal sepsis: an etiological study. J Pak Med Assoc (JPMA); 50 (3): 91-8.

Arnalich F., Lopez J., Codoceo R., Jimenez M., Madero R. and Montiel C., (1999): Relationship of Plasma Leptin to Plasma Cytokines and Human Survival in Sepsis and Septic Shock. J. of Infectious Diseases; Vol 180 :pp 908-911.

Ashraf RN., Jalil F., Zaman S., Karlberg J., Khan SR., Lindblad BS. and Hanson LA. **(1991**): Breast feeding and protection against

neonatal sepsis in a high risk population. Arch Dis Child. Apr;66(4):pp488-90.

Badrawi NH., Abdel-Meguid IE. and Wasef MA.(2001): Detection of different bacteriological species responsible for early-onset neonatal sepsis. The Gazette of the Egyptian Pediatric Association; 49 (I): 23-31

Badrawi NH., Bashir MM., Iskander IF. and Saied DA. (**2005):** Neonatal infections in NICU: magnitude of the problem. Kasr El-Aini Medical Journal; 11 (5): 181-195.

Baltimore RS. (**2008**) **:** Listeria monocytogenes. In: Kliegman RM, Behrman RE, Jenson HB and Stanton BF (eds). Nelson Textbook of Pediatrics, 18th ed. Elsevier (a); 187: 1157-59.

Banerjea MC. and Speer CP.(**2002**)*:* The current role of colony-stimulating factors in prevention and treatment of neonatal sepsis. Semin Neonatol; 7: 335-349

Banko W.A., Kastin A.Z., Huang W.A., Jaspan J.B. and Maneso L.M. (2005): Leptin enters the brain by a saturable system independent of insulin peptides. Am J Physiol., 17:305-11.

Barba G, Russo O, Siani A, Iacone R, Farinaro E, Gerardi MC, Russo P, Della Valle E, Strazzullo P. (2003): Plasma leptin and blood pressure in men: graded association independent of body mass and fat pattern.obes. Res., 11(1): 160-6.

Barr PH. (1992): Association of Escherichia coli sepsis and galactosemia in neonates. J Am Board Fam Pract. Jan-Feb;5(1): pp89-91.

Bashir S., Tayyib M. and Yousef N. W. (2007): Coagulation abnormalities in neonatal sepsis- a diagnostic approach. Pak J Pathol; 18(4): pp119-124.

Bell AH., Brown D. and Holiday HL. (2004): Meningitis in the newborn: a 14 year review. Arch Dis Child; 64: 873.

Bendel CM. (2003): Colonization and epithelial adhesion in the pathogenesis of neonatal candidiasis. Semin Perinatol; 27: 357-364.

Benitz WE., Han MW., Madan A. and Ramachandra P. (1998): Serial serum C-reactive protein levels in the diagnosis of neonatal infection. Pediatrics; 102: E41.

Benjamin DK., Schelonka R., Holley Jr HP., Bifano E., Cummings J. et al. (2006): A blinded, randomized, multicenter study of an intravenous Staphylococcus aureus immune globulin. J Perinatol; 26 (5): 290-5.

Betty C. and Inderpreet S.(2005): Early onset neonatal sepsis. The Indian Journal of Pediatrics; 72 (1): 23-26.

Bizzarro MJ., Raskind C., Baltimore RS. and Gallagher PG.(2005): Seventy-five years of neonatal sepsis at Yale: 1928-2003. Pediatrics; 116 (3): 595-602.

Boden G., Chen X., Kolaczynski JW. and Polansky M. (2003): Effect of hyperinsulinemia on serum leptin in normal human subjects. J Clin Invest., 100 (5):1107-13.

Bonacorsi S., Clermont O., Houdouin V., Cordevant C., Brahimi N., Marecat A. et al. (**2003):** Molecular analysis and experimental virulence of French and North American Escherichia coli neonatal meningitis isolates: Identification of a new virulent clone. The journal of infectious diseases; 187: 1895-1906.

Bornstein S.R., Licinio J., Tauchnitz R., Engelmann L., Negrao AB., Gold P. and Chrousos G.P. (1998): Plasma Leptin Levels are increased in survivors of acute sepsis: Associated loss of diurnal rhythm in cortisol and leptin secretion. J. of clinical endocrinology and metabolism; Vol 83 : pp 280-283.

Boxer LA. (2007): A molecular classification of congenital neutropenia syndromes. Pediatr Blood Cancer; 49 (5): 609-614.

Carcillo JA. and Fields AI. (2002): Task Force Committee Members. Clinical practice parameters for hemodynamic support of pediatric and neonatal patients in septic shock. Crit Care Med; 30: 1365-1378.

Carlson G. L., Saeed M., Little R. A. and Irving M. H. (1999): Serum leptin concentrations and their relation to metabolic abnormalities in human sepsis. J Physiol. Endocrinol. Metab.Vol. 276, Issue 4, pp 658-662.

Caro J.F., Sinha M.K., Kolaczynski J.W. Bauer G. and Kona T. (1996): Leptin the tale of an obesity gene. Diabetes, 45: 1455-62.

Carvalho AC. and Freeman NJ. (2000): How coagulation defects alter outcome in sepsis. J Crit Illn; 9: 51-75.

Casabiell X., Pieneino V., large M., Camira J., Gallego R., Vallejo L.G., Dieguez C. and Casaneva F.F. (**2003):** Gender differences in both spontaneous and stimulated leptin secretion by human omental adipose tissue in vivo: dexamethasone secretion by human omental adipose tissue in vivo: dexamethasone and estradiol stimulate leptin release in women but not men. J. Clin. Endocrinol. and Metab., 83: 2149-2155.

Castle V., Andrew M., Kelton J., Giron D., Johnston M. and Carter C. (**1996):** Frequency and mechanism of neonatal thrombocytopenia. J Pediatr; 108: 749-55.

Center KJ., Reboli AC., Hubler R., Rodgers GL. and Long SS. (**2003):** Decreased vancomycin susceptibility of coagulase-negative Staphylococci in a neonatal intensive care unit: Evidence of spread of Staphylococcus warneri. J Clin Microbiol; 41 (10): 4660-4665.

Chiesa C., Panero A., Osborn JF., Simonetti AF. and Pacifico L. (2004): Diagnosis of neonatal sepsis: A clinical and laboratory challenge. Clinical Chemistry; 50 (2): 279-287.

Christou H., Connors J.M., Zioyopoulou M., Hatzidakis V., Papathanassoglou E., Ringer S.A. and Mantzoros C.S. (2001): Cord blood leptin and Insulin- like growth factor levels are independent predictors of fetal growth. J. of clinical endocrinology and metabolism; Vol 86: pp 935-938.

Christensen KK., Dahlander K., Linden V., Svenningsen N. and Christensen P. (**2001):** Obstetrical care in future pregnancies after fetal loss in group B streptococcal septicemia: A prevention program based on bacteriological and immunological follow-up. Eur J Obstet Gynecol Reprod Biol; 12: 143-150.

Goldblatt D. (1998) Immunization and the maturation of infant immune responses. Dev Biol Stand; 95: 125-32.

Collins S., Kuhn CM., Petro AE., Swick AG., Chrunyk BA. and Surwit RS. (2006): Role of leptin in fat regulation. Nature 380: 677-681.

Considine R.V. (2005): Human leptin: an adipocyte hormone with weight regulatory and endocrine functions. Semin Vase Med., 1: 15-24.

Considine R.V., Considine E.L., Williams C.J., Hyde T.M. and Caro J.F. (2000): The hypothalamic leptin receptors in humans. Diabetes, 19: 992-4.

Considine R.V., Considine E.L., Williams C.J., Nyce M.R., Magosin S.A., Bauer T.L., Rosato E.L., Colberg J. and Caro J.F. (2006): Evidence against either a premature stop codon of the

absence of obese gene mRNA in human obesity. J. Clin. Invest., 95: 2986-2988.

Cordero L. and Ayers LW. (2003): Duration of empiric antibiotics for suspected early-onset sepsis in extremely low birth weight infants. Infect Control Hosp Epidemiol; 24: 662-666.

Covey SD., Wideman RD., McDonald C., Unniappan S., Huynh F., Asadi A., Speck M., Webber T., Chua SC. and Kieffer TJ. (2006): The pancreatic beta cell is a key site for mediating the effects of leptin on glucose homeostasis. Cell Metab.; 4(4):291-302.

Coya R., Martul P., Algorta J., Aniel-Quiroga M.A., Busturia M.A. and Senaris R. (2006) : Effect of leptin on the regulation of placental hormone secretion in cultured human placental cells. Gynecol Endocrinol.; 22(11):620-6.

Crawford SE. and Daum RS. (**2008):** Haemophilus Influenzae. In: Kliegman RM, Behrman RE, Jenson HB and Stanton BF (eds). Nelson Textbook of Pediatrics, 18th ed. Elsevier; 192: 1173-1177.

De Benedetti F., Auriti C., D'urbano LE., Ronchetti MP., Rava L., Tozzi A. et al. (2007): Low serum levels of mannose binding lectin are a risk factor for neonatal sepsis. Pediatr Res; 61: 325-328.

Díez M., Santolaria F., Tejera A. , Alemán M.R., Reimers E.G., Milena A., Vega M.J. and Riera A.M. (2008): Serum leptin levels in community acquired pneumonia (CAP) are related to

nutritional status and not to acute phase reaction;Vol.42, Issue 2: pp 156-160.

Dinarello CA., Shparber M. and Kent EF. (2000): Production of leukocytic pyrogen from phagocytes of neonates. J Infect Dis; 144: 337.

Dollner H., Vatten L. and Austgulen R. (2001): Early diagnostic markers for neonatal sepsis: comparing C- reactive protein, interleukin-6, soluble tumor necrosis factor receptors and soluble adhesion molecules. J Clin Epidemiol; 54: 1251-7.

Ducy P., Amling M. and Takeda S. (2000): Leptin inhibits bone formation through a hypothalamic relay: A central control of bone mass. Cell; 100:197-207.

Dunbar J., Hu Y., and Lu H. (2004): Intracerebroventricular leptin increases lumber and renal sympathetic nerve activity and blood pressure in normal rats. Diabetes., 46: 2040-3.

Dyer J., Hayani KC., Janda WM. and Schreckenberger PC. (1997): Citrobacter sedlakii meningitis and brain abscess in a premature infant. Journal of clinical microbiology; 35 (10): 2686-88.

Dzwonek AB., Neth OW., Thiebaut R., Gulczynska E., Chilton M., Hellwig T., Bajaj-Elliott M., Hawdon J. and Klein NJ. (2008): The Role of Mannose-Binding Lectin in Susceptibility to Infection in Preterm Neonates. Pediatr Res; 63: 680-685.

Ehl S., Gering B., Bartmann P. and Pohlandt F. (**1997):** C-reactive protein is a useful marker for guiding duration of antibiotic therapy in suspected neonatal bacterial infection. Pediatrics; 99 (2): 216-221.

El-Barbary M.N., El Raggal N.M., Zaki M.M. and Salem D.F. (2001): Diagnostic and prognostic value of serum epidermal growth factor in preterm infants with necrotizing enterocolitis. Egyptian Journal of Pediatrics; 18(1):pp 33-50.

Elimam A., Norgren S. and Marcus C. (2001): Effects of growth hormone treatment on the leptin system and body composition in obese prepubertal boys. Acta Pediatr 90:520.

Elwan S., El-Baz M. and Zakaria M. (2004): Procalcitonin as a marker for the diagnosis of neonatal sepsis. The Gazette of the Egyptian Pediatric Association; 52 (2): 141-149.

Enrione MA. and Powell KR. (2008): Sepsis, Septic Shock, and Systemic Inflammatory Response Syndrome. In: Kliegman RM, Behrman RE, Jenson HB and Stanton BF (eds). Nelson Textbook of Pediatrics, 18th ed. Elsevier; 176: 1094-99.

Fadel S. and Siegrist M. (**2000):** Cellular immune responses in neonates. Int Rev Immunol; 19: 173-193.

Fanaroff AA., Korones SB. and Wright LL. (**1998):** Incidence, presenting features, risk factors and significance of late-onset septicemia in very low birth weight infants. Pediatr Infect Dis J; 17 (7): 593-8.

Farooqi IS., Wangensteen T., Collins S., Kimber W., Matarese G.,

Keogh JM., Lank E., Bottomley B., Lopez-Fernandez J. and Ferraz Amaro I. (2007): Clinical and molecular genetic spectrum of congenital deficiency of the leptin receptor.N Engl J Med. 18; 356(3):237-47.

Flanagan DE., Vaile JC., Petley GW., Phillips DI., Godsland IF., Owens P., Moore VM., Cockington RA. and Robinson JS. (2007): Gender differences in the relationship between leptin, insulin resistance and the autonomic nervous system. Regul Pept. 5; 140(1-2):37-42.

Fortuno A., Rodriguez, A. and Gomez A.J. (2003): Adipose tissue as an endocrine organ: role of leptin and adiponectin in the pathogenesis of cardio- vascular diseases. J. Physiol. Biochem., 59: 51-60.

Frank S., Stallmeyer B. and Kampfer H. (2000): Leptin enhances wound re-epithelialization and constitutes a direct function of leptin in skin repair. J. Clin. Invest., 10: 501-509.

Gabarro M., Butler JC., Jacob J., Gessner B., Zell E., Brudin D., Murphy N., Hurlbur D., Galvin S., Hulman S. and Schuchat A. (2000): Epidemiology of Neonatal Sepsis Caused by Group B Streptococci and Other Bacterial Pathogens Among Alaska Newborns. Abstr Intersci Conf Antimicrob Agents Chemother Intersci Conf Antimicrob Agents Chemother Sep 17-20;pp 40: 459.

Gainsford T., Willson TA., Metcalf D., Handman E., McFarlane C., Nicola NA., Alexander WS. and Hilton DJ. (2005): Leptin can induce proliferation, differentiation, and functional activation of hemopoietic cells. Proc Natl Acad Sci USA, 93: 14564-14568.

Garcia-Mayor RV., Andrade MA., Rios M., Lage M., Dieguez C. and Casanueva FF. (2007): Serum leptin levels in normal children: relationship to age, gender, body mass index, pituitary-gonadal hormones, and pubertal stage. J Clin Endocrinol.Metab., 82:2849-2855.

Gardner SL and Goldson E. (**2006) :** The neonate and the environment: impact on development. In: Merenstein GB and Gardner SL (eds). Handbook of neonatal intensive care. 6th ed. Mosby, Elsevier; 13: 273-300.

Gerdes JS. (2004): Diagnosis and management of bacterial infections in the neonate. Pediatr Clin N Am; 51: 939-59.

Gessner B.D. , Castrodale L. and Soriano-Gabarro M. (2005): Aetiologies and risk factors for neonatal sepsis and pneumonia mortality among Alaskan infants. Epidemiology and Infection J ;pp133 : 877-881.

Goldblatt D. (**1998):** Immunization and the maturation of infant immune responses. Dev Biol Stand; 95: 125-32.

Gomella TL., Cunningham MD., Eyal FG. and Zenk KE. (**2004):** Neonatal sepsis. In: Lange Clinical Manual of Neonatology, 5th ed., Lange Medical Books/McGraw-Hill; 68: 434-442.

Gonzalez BE., Mercado CK. and Johnson L. (**2003):** Early markers of late-onset sepsis in premature neonates: clinical, hematological and cytokine profile. J Perinat Med; 31: 60-68.

Gordon A. and Isaacs D. (**2004):** Late-onset infection and the role of antibiotic prescribing policies. Curr Opin Infect Dis; 17 (3): 231-6.

Guerina N.G.(1998): Bacterial and fungal infection. Manual of neonatal care, 4th ed., Lippincott Raven publishers, Philadelphia, New York: 271-300.

Guerra B., Santana A., Fuentes T., Delgado-Guerra S., Cabrera-Socorro A., Dorado C and Lopez Calbet J.A. (2007): Leptin receptors in human skeletal muscle._J Appl Physiol. 18;(5): 1120-1131.

Guibourdenche J., Bedu A. and Petzold L. (**2002):** Biochemical markers of neonatal sepsis: value of procalcitonin in the emergency setting. Ann Clin Biochem; 39: 130-5.

Guida JD., Kunig AM. and Leef KH. (**2003):** Platelet count and sepsis in very low birth weight neonates: Is there an organism-specific response? Pediatrics; 111 (6): 1411-15.

Halaas J.L., Gafiwala K.S., Maffei M.L., Coheu S.L., Chaily B.T., Burlcy S.K., Lallane R.L. and Friedman J.L. (**1995):** Weight reducing effects of plasma protein encoded by the obese. Gene Science, 269: 543-46.

Harvey J. and Ashford M.L.J. (2003): Leptin in the CNS: Much more than a satiety signal. Neuropharmacology, 44: 845-854.

Hassink SG., Sheslow DV., de Lancey E., Opentanova I., Considine RV. and Caro JF. (2007): Serum leptin in children with obesity: relationship to gender and development. Pediatr. 98:201-203.

Haynes WG., Sivitz WI., Morgan DA., Walsh SA. and Mark AL. (2007): Sympathetic and cardiorenal actions of leptin. Hypertension,30:619-23.

Healy CM., Hulten KG. and Palazzi DL. (**2004):** Emergence of new strains of methicillin-resistant Staphylococcus aureus in a neonatal intensive care unit. Clin Infect Dis; 39: 1460-6.

Henrickson KJ., Axtell RA., Hoover SM., Kuhn SM., Pritchett J., Kehl SC. and Klein JP. (2000): Prevention of central venous catheter-related infections and thrombotic events in immunocompromised children by the use of vancomycin/ ciprofloxacin /heparin flush solution: a randomized, multicenter, double-blind trial. J Clin Oncol; 18: 1269-78.

Henson M.C. and Castracane V.D. (2005): Leptin in pregnancy. Biol. Reprod., 2: 3-10.

Horrevorts A., Bergman K., Tjernberg I., Kollee L., Breuker I. and Dijkshoorn L. (**2000):** Clinical and epidemiological investigations of Acinetobacter genomospecies in a neonatal intensive care unit. Journal of clinical microbiology; 33 (6): 1567-72.

Houseknecht K.L., Mantzoros C.S., Kuliawat R., Hadro E., Filer J.S. and Kalm B.B. (2001): Evidence for leptin binding to protein in serum or rodents and humans: Modulation with obesity. Diabetes, 45: 1638-1643.

Hsu KK., Pelton SI. and Shaprio DS. (2003): Detection of group B streptococcal bacteremia in simulated intraparum antimicrobial prophylaxis. Diagn Microbiol Infect Dis; 45: 23-7.

Huang YC., Chou YH., Su LH., Lien R. and Lin TY. (**2006):** Methicillin-resistant Staphylococcus aureus colonization and its association with infection among infants hospitalized in neonatal intensive care units. Pediatrics; 118 (2): 469-74.

Illuzzi JL. and Bracken MB. (**2006):** Duration of intrapartum prophylaxis for neonatal group B streptococcal disease: a systematic review. Obstet Gynecol; 108: 1254-65.

Imam SS., Saafan HA. and Amin SK. (2004): A new modality for early diagnosis and severity prediction in necrotizing enterocolitis. The Egyptian Journal of Neonatology; 5 (1): 10-13.

Imbeault P., Doucet E., Mauriege P. St-Picrre S., Couillard C., Almeras N., Despres J.P. and Tremblay A. (2001): Difference in leptin response to a high fat meal between lean and obese men. Clin. Sci., 101: 359.

Jardine L. IG. and Davies M. (2008): Prophylactic systemic antibiotics to reduce morbidity and mortality in neonates with central venous catheters. Cochrane Database Syst Rev; 1: CD006179.

Johnson JR., Oswald E., O'Bryan TT., Kuskowski MA. and Spanjaard L. (2002): Phylogenetic distribution of virulence-associated genes among Escherichia coli isolates associated with neonatal bacterial meningitis in the Netherlands. J Infect Dis; 185: 774-84.

Joram N., Boscher C., Denizot S., Loubersac V., Winer N., Roze JC. and Guen CG. (**2006):** Umbilical cord blood procalcitonin and C-reactive protein concentrations as markers for early diagnosis of very early-onset neonatal infection. Arch Dis Child Fetal Neonatal Ed; 91(1): 65-66.

Judith D., Polak M. and Nicki R.(2004): Impact on the Incidence of Nosocomial Infections in the Newborn Intensive Care Unit 4(1):pp38- 45.

Kaplan L.M. (2008): Leptin, obesity and liver disease. Gastroenterology, 115: 977-1001.

Kaufman D. (**2004):** Fungal infection in the very low birth weight infant. Current opinion in infectious diseases; 17: 253-259.

Kaufman D., Boyle R., Hazen KC., Patrie JT., Robinson M., Donowitz LG. et al. (**2001):** Fluconazole prophylaxis against fungal colonization and infection in preterm infants. N Engl J Med; 345 (23): 1660-6.

Kaufman D. and Fairchild KD. (2004): Clinical microbiology of bacterial and fungal sepsis in very low birth weight infants. Clin Microbiol Rev; 17 (3): 638-680.

Kennedy G.C. (1953): The role of depot fat in the hypothalamic control of food intake in the rat. Proc. R. Soc., 140: 578-592.

Khalifa K. and Agarwal M. (2005): Neonatal Streptococcus Pneumoniae Sepsis: Rare **But** Fatal The Internet Journal of Pediatrics and Neonatology, Vol. 5 No. 2.

Kikuchi K., Takahashi N., Piao C., Itoda I., Hidai H., Yamaura H., Totsuka K. et al. (**2003):** Molecular epidemiology of methicillin-resistant Staphylococcus aureus strains causing neonatal toxic shock syndrome-like exanthematous disease in neonatal and perinatal wards. J Clin Microbiol; 41 (7): 3001-6.

Klein JO. and Remington JS. (**2001):** Current concepts of infections of the fetus and newborn infant. In: Klein JO, Remington JS (eds). Infectious Diseases of the Fetus and Newborn Infant. 5th ed. WB Saunders;; 943-998.

Koc E., Bideci A., Cinaz P., Ergenekon E. and Atalay Y. (2001): Relationships between levels of leptin and hematological parameters in term infants ,J Pediatr Endocrinol Metab. 2001 Sep Oct; 14(8):1129-32.

Koc E., Gonca U., Didem A., Ebru E., Aysun B. and Yildiz A., (2003) : Serum leptin levels and their relationship to tumor necrosis factor and interleukin-6 in neonatal sepsis; J. of pediatric endocrinology and metabolism; Vol 16 :pp 1283-1287.

Kuboyama RH., de Oliveira HB. and Moretti-Branchini MX. (**2003):** Molecular epidemiology of systemic infection caused by

Enterobacter cloacae in a high-risk neonatal intensive care unit. Infect Control Hosp Epidemiol; 24: 490-94.

Kumar Y., Qunibi M., Neal TJ. and Yoxal CW. (2001): Time to positivity of neonatal blood cultures. Arch Dis Fetal Neonatal Ed; 85: F182-F186.

Lahlou N., Landias P., De Bosissieii D. and Bougncres P.P. (2002): Circulating leptin in normal children and during the dynamic phase of juvenile obesity. Diabetes, 46: 989-993.

Lam BC., Lee J. and Lau YL. (2004): Hand hygiene practices in a neonatal intensive care unit: a multimodal intervention and impact on nosocomial infection. Pediatrics; 114 (5): 565-71.

Lawton A. (**1998):** B-cell development. In: Polin RA, Fox WD, Fletcher J (eds). Fetal and neonatal physiology, 2nd ed. WB Saunders; 1924-30.

Lee CS., Tang RB., Chung RL. and Chen SJ. (**2006):** Evaluation of different blood culture media in neonatal sepsis. J Microbiol Immunol Infect; 33: 165-168.

Levy HL. (1997): Escherichia coli in neonates with galactosemia. N Engl J Med; 297: 823-26.

Levy MM., Fink MP., Marshall JC., Abraham E. and Angus D. (**2003):** International Sepsis Definitions Conference. Crit Care Med; 31(4): 1250-56.

Lewis D. (**1998):** Host defense mechanisms against bacteria, fungi, viruses and non-viral pathogens. In: Polin RA, Fox WD, Fletcher J (eds). Fetal and neonatal physiology, 2nd ed. WB Saunders; 1869-1919.

Loffreda, Yang S., Lin H., Karp C., Brengman M., Wang D., Klein A., Bulkley G., Bao C., Noble P., Lane M. and Diehl A. (2006): Leptin regulates proinflammatory immune responses.FASEB J, 12: 57-65.

Lopez-Sastre JB., Coto-Cotallo GD. and Fernandez CB. (**2003):** Neonatal invasive candidiasis: A prospective multicenter study of 118 cases. Am J Perinatol; 20: 153-63.

Luck S., Torny M., d'Agapeyeff K., Pitt A., Heath P., Breathnach A., Lupetti A., Tavanti A., Davini P. et al. (2002): Horizontal transmission of Candida parapsilosis candidemia in a neonatal intensive care unit. J Clin Microbiol; 40 (7): 2363-69.

Ma and Zchcngmin (2006): Radioimmunoassay of leptin in human plasma. Clinical chemistry. Cites the use of Linko Leptin Kit.

Mackie RI., Sghir A. and Gaskins H. (**1999):** Developmental microbial ecology of the neonatal gastrointestinal tract. Am J Clin Nutr; 69: 1035-45.

Mackintosh R.M. and Hirsch J. (2001): The effect of leptin administration in non obese human subjects. Obes. Res., 9: 462.

Maffei M., Halaas. J. and Ravussin E. (2005): Leptin levels in human and rodent: measurement of plasma leptin and ob RNA in obese and weight reduced subjects. Nature, 1:1155-1161.

Malik M.A., Sial S.H., Iqbal Z. and Ahmad M. (2005): Posterior uretheral valves .Professional Med J Dec; 12(4):pp 473-478.

Marrekchi Z. (**2007):** Early-onset neonatal infection: experience from Yunisia. 19th scientific congress of the Egyptian Society for Neonatal and Preterm Care (ESNPC);

Maruna P., Gürlich R., Frasko R. and Haluzík M.(2001): Serum leptin levels in septic men correlate well with C-reactive protein (CRP) and TNF-alpha but not with BMI. Physiol Res.;50(6):pp589-94.

Mathai E., Christopher U., Mathai M., Jana AK., Rose D. and Bergstrom S. (2004): Is C-reactive protein level useful in differentiating infected from uninfected neonates among those at risk of infection? Indian J Pediatr; 41(9): 895-900.

Matsuda J., Yokota I., Idia M., Murakami T., NaiTo E., Ito M., Shima K. and Kuroda Y. (1997): Serum leptin concentration in cord blood :Relationship to birth weight and gender. J. of clinical endocrinology and metabolism; Vol 82,No.5,1642.

Matasova K., Hudeceva J. and Zibolen M. (**2003):** Bilateral endogenous endophthalmitis as a complication of late-onset sepsis in a premature infant. Eur J Pediatr; 162 (5): 346-7.

McKenney WM. (**2001):** Understanding the neonatal immune system: high risk for infection. Critical Care Nurse; 6 (21): 35-47.

Mitra S., Panigrahi D. and Narang A. (1997): Anaerobes in Neonatal Septicemia: A Cause for Concern. Journal of Tropical Pediatrics ,43(3):pp153-155.

Modi N. and Carr R. (2000): Promising stratagems for reducing the burden of neonatal sepsis. Arch Dis Child Fetal Neonatal Ed; 83: F150-F153.

Mustafa S., Farooqui S., Waheed S. and Mahmoud K. (2005): Evaluation of C-reactive protein as early indicator of blood culture positivity in neonates. Pak J Med Sci; 21 (1): 69-37.

Nupponen I., Andersson S. and Jarvenpaa AL. (2001): Neutrophil CD11b expression and circulating interleukin-8 as diagnostic markers for early-onset neonatal sepsis. Pediatrics; 108: 12-17.

Orbak Z., Ertekin V., Akcay F., Ozkan B. and Ors R. (2003) : Serum leptin levels in neonatal bacterial septicemia. J.Pediatics edocrinal Metab. June;16(5):pp727-31.

Ostlund RE., Yang JW., Klein S. and Gingerich R. (2004): Relation between plasma leptin concentrations and body fat, gender, diet, age, and metabolic covariates. J Clin Endocrinol. Metab., 81: 3909-3913.

Ottolini M., Lungren K. and Cason S. (2003): Utility of complete blood count and blood culture screening in the diagnosis of neonatal sepsis. Pediatr infect Dis J; 17: 222-235.

Pappas BE. (1999): Primary immunodeficiency disorders in infancy. Neonatal Netw; 18: 13-22.

Paracchnini V., Pedotti P. and Taioli E. (2005): Genetic of Leptin and obesity. Am. J. Epidemic., 162: 101-114.

Perencevich EN., Harris AD. and Kaye KS. (2005): Physicians acceptable treatment failure rates in antibiotic therapy for coagulase-negative Staphylococcal catheter-associated bacteremia: Implications for reducing treatment duration. Clin Infect Dis; 41: 1734-41.

Perlman JM., Rollins N. and Sanchez PJ. (1992): Late-onset meningitis in sick, very-low birth weight infants: Clinical and sonographic observations. Am J Dis Child; 146: 1297-1305.

Picol C., Oliver P., Sanchez J. and Palou A. (2003): Gastric leptin: A putative role in short term regulation of food intake, Br J Nutr, 90(4): 735-41.

Polin RA. (2003): The "Ins and Outs" of neonatal sepsis. J Pediatr; 143: 13-16.

Procianoy and Silveira RC. (2004): The role of sample collection timing on interleukin-6 levels in early-onset neonatal sepsis. J Pediatr (Rio J); 80 (5): 407-10

Puopolo KM. (2008): Bacterial and fungal infections. In: Cloherty JP, Eichenwald EC and Stark AR (eds). Manual of Neonatal Care, 6th ed. Lippincott Williams and Wilkins; 23: 274-322.

Quirós A.B. , Flores J.C., Arranz E., Garrote J.A., Asensio J. and Pérez A. (2007): Influence of leptin levels and body weight in survival of children with sepsis.; Vol.91 Issue 6: PP 626 – 631.

Raghavendra R. and Georgieff M.K. (2007): Iron in fetal and neonatal nutrition. Semin Fetal Neonatal Med. 2007 February; 12(1):pp 54–63.

Raju T. and Kobler C. (1991): Improving hand washing habits in newborn nurseries. Am J Med Science; 302: 355-58.

Ramasethu J. (2004): Thrombocytopenia in the newborn. Curr Hematol Rep; 3: 134-42.

Richardson MD. and Carlson P. (2002): Culture- and non-culture-based diagnostics for Candida species. In: Calderone RA (ed). Candida and candidiasis. ASM Press; 26: 387-94.

Rijkers GT., Dollekamp EG. and Zegers BJM. (1997): The in vitro B-cell response to pneumococcal polysaccharides in adults and neonates. Scand J Immunol; 25: 447-52.

Roberts IAG. and Murray NA. (2001): Neonatal thrombocytopenia: New insights into pathogenesis and implications for clinical management. Curr Opin Pediatr; 13 (1): 16-21.

Rodrigo I. (2002): Changing patterns of neonatal sepsis. Sri Lanka Journal of Child Health; 31: 3-8.

Rosenbaum M., Pietrobelli A., Vasselli J.R., Heymsheld S.B. and Leibel R.L. (2001): Sexual dimorphism in circulating leptin concentrations is not accounted for by differences in adipose

tissue distribution. Int. Jobes. Relat. Metab. Disord., 25: 1365-1367.

Rostenberghe H.V. (2009): Bacteriology of early versus late onset neonatal sepsis. Journal of Pediatric Infectious Diseases; Volume 4, Number 3, pp197-198.

Ruiz-Contreras J. , Uriquia L. and Bastero R. (1999): Persistent crying as predominant manifestation of sepsis in infants and newborns. Pediatr Emerg Care; 15: 113-115.

Saiman L., Ludington E., Pfaller M., Rangel-Frausto S., Wiblin RT., Dawson J. et al. (2000): Risk factors for candidemia in neonatal intensive care unit patients. The national epidemiology of mycosis survey study group. Pediatr Infect Dis J; 19 (4): 319-24.

Sainsbury A., Cusin L, Doyle P., Rohner Jeanre F. and Jean Renauld B. (1996): Intracerebroventricular administration of neuropeptide Y to normal rats increases obese gene expression in white adipose tissue. Diabetologia, 39: 353-56.

Saleh M., Sherif L., Elwakkad A. and Assal W. (2008): Leptin: Does it Have a role in neonatal sepsis?. Journal of Applied Sciences Research, 4(4):pp 353-359.

Salem S.Y. , Sheiner E.' Zmora E., Vardi H., Shoham I., and Mazor M. (2006): Risk factors for early neonatal sepsis. Archives of Gynecology and Obstetrics; Vol.274,No.4: pp198-202.

Sarraf P., Frederich RC. , Turner EM., Ma G., Askowiak NT., Rivet DJ., Flier III JS., Lowell BB., Fraker DL. and

Alexander HR. (2007): Multiple cytokines and acute inflammation raise mouse leptin levels: potential role in inflammatory anorexia. J Exp Med, 185:pp 171-176.

Sarvikivi E., Soll DR., Pujol C., Pfaller MA., Richardson M., Koukila-Kahkola P. et al. (2005): Emergence of fluconazole resistance in a Candida parapsilosis strain that caused infections in a neonatal intensive care unit. J Clin Microbiol; 43 (6): 2729-35.

Schrag SJ., Zell ER., Lynfield R., Roome A., Arnold KE., Craig AS. et al. (2002): A population-based comparison of strategies to prevent early-onset group B streptococcal disease in neonates. N Engl J Med; 347: 233-239.

Schuchat A., Zywicki SS., Dinsmoor MJ., Mercer B., Romaguera J., O'Sullivan MJ. et al. (2000): Risk Factors and Opportunities for Prevention of Early-onset Neonatal Sepsis: A Multicenter Case-Control Study. Pediatrics; 105: 21-26.

Schultz C., Rott C., Temming P., Schlenke P., Moller JC. and Bucsky P. (2002): Enhanced interleukin-6 and interleukin-8 synthesis in term and preterm infants. Pediatr Res; 51: 317-322.

Schwartz MW. and Seeley RJ. (2007): Seminars in medicine of the beth Israel deaconese medical center; Neuroendocrine response to starvation and weight loss. N Engl J Med., 336:1803-11.

Schwartz MW., Baskin DG., Bukowski TR., Kuijper JL., Foster D., Lasser G., Prunkard DE., Porte D. R., Woods SC., Seeley RJ. And Weigle DS. (2006): Specificity of leptin action on

elevated blood glucose levels and hypothalamic neuropeptide Y gene expression in ob/ob mice. Diabetes, 45:531-535.

Scott M.(2005) : Neonatal sepsis. Pediatr Infect Dis J; 87: 613-617. Senaris R., Garcia-Caballero T., Casabiell X., Gallego R., Castro R., Considine RV., Dieguez C. and Casanueva FF. (2002): Synthesis of leptin in human placenta. Endocrinol., 138: 4501-4.

Seufert J. (2004): Leptin effect on pancreatic beta cell gene expression and function. Diabetes. 53: 152-8.

Shah GS. , Budhathoki S. , Das BK. and Mandal RN. (2006): Risk factors in early neonatal sepsis. Kathmandu University Medical Journal, Vol. 4, No. 2, Issue 14,pp 187-191.

Shanson DC. (1999): Obstetric, perinatal and neonatal infections. In: Shanson DC (ed). Microbiology in clinical practice, 3rd ed. Oxford: Butterworth Heinemann; 8: 131-141.

Sherlock R. (2009): Neonatal sepsis and septic shock: Current trends inepidemiology and management. Journal of Pediatric Infectious Diseases; Vol. 4, No.2 :pp153-159.

Shimizu H., Inoue K. and Mori M. (2007): The leptin-dependent and -independent melanocortin signaling system: regulation of feeding and energy expenditure. J Endocrinol.;193(1):1-9.

Siegrist CA. (2001): Neonatal and early life vaccinology. Vaccine; 19: 3331-46.

Siegrist CA., Cordova M., Brandt C., Barrios C., Berney M., Tougne C et al. (1998): Determinants of infants responses to vaccines in the presence of maternal antibodies. Vaccine; 16: 1409-14.

Sinha A., Yokoe D. and Platt R. (2003): Epidemiology of neonatal infections: experience during and after hospitalization. Pediatr Infect Dis J; 22: 244-251.

Smulian JC., Vintzileos AM., Lai YL., Santiago J., Shen-Schwarz S. and Campbell WA. (1999): Maternal chorioamnionitis and umbilical vein interleukin-6 levels for identifying early neonatal sepsis. J Matern Fetal Med; 8: 88-94.

Snitkles S., Prattey R., Ncolson M., Tantanaoni P. and Ravussin (2007): Relationship between muscle sympathetic nerve activity and plasma leptin concentrations.Obes. Res., 5: 338-40.

Somech R. , Reif S. , Golander A. and Spirer Z. (2007) : Leptin and C-reactive Protein Levels Correlate during Minor Infection in Children. IMA Journal. Feb. :pp 76-78.

Sorensen H.I., Echwaid S.M- and Holam J.C. (2006): Leptin in obesity. BM.J., 3 13: 953-4.

Stephens T.W., Basinski M., Brishow P.K., Hoffman J., Hsiung H.M., Mackellar W., Rostecker P.R., smith, D., Zhang, X.Y. and Heiman M. (2005): The role of neuropeptide Y in the antiobesity action of the obese gene product. Nature, 377: 530-2.

Stenely B.G. (1993): Repeated hypothalamic stimulation with neuropeptide Y increases daily carbohydrate and fat intake and body gain in female rats. Physiol. Behav., 46: 173-180.

Stoll BJ. (2008): Infections of the Neonatal Infant. In: Kliegman RM, Behrman RE, Jenson HB and Stanton BF (eds). Nelson Textbook of Pediatrics, 18th ed. Elsevier; 109: 794-811.

Stoll BJ., Gordon T., Korones SB., Shankaran S. and Tyson JE. (1996): Early-onset sepsis in very low birth weight neonates: a report from the NICHD Neonatal Research Network. J Pediatr; 129: 72-80.

Stoll BJ. and Weisman LE. (1997): Infections in perinatology. Clin Perinatol; 24: 1-22.

Stoll BJ., Hansen N. and Fanaroff AA. (2002): Late-onset sepsis in very low birth weight neonates: The experience of the NICHD Neonatal Research Network. Pediatrics; 110 (2): 285-291.

Stoll BJ, Hansen N. and Higgins RD. (2005): Very low birth weight preterm infants with early onset neonatal sepsis: the predominance of gram-negative infections continues in the NICHD Neonatal Research Network, 2002-03. Pediatr Infect Dis J; 24: pp635-9.

Sugandhi R. P. , Beena V. K. , Shivananda P. G. and Baliaga M. (1992): Citrobacter sepsis in infants. Indian Journal of Pediatrics; Vol. 59, No. 3 :pp 309-312.

Sullivan DJ. and Coleman DC. (2002): Molecular approaches to identification and typing of Candida species. American Society for Microbiology; 28: 427-441.

Tartaglia L.A., Dembski M., Weng X., Deng N., Culpepper J., Devos R., Richards G.J., Campfield L.A., Clark F.T., Deeds J., Muir C., Sanker S. and Meriarty A. (1995): Identification and expression cloning of a leptin receptor, Ob-Rb. Cell, 83: 1263-1271.

Tarquini B., Tarquini R., Perfetto F., Cornelissen G. and Halberg F. (1999): Genetic and environmental influences on human cord blood leptin concentration. PEDIATRICS; Vol.103: pp 998-1006.

Thomas J.,William N.,James R, Philip J and Charles B. (1997): Danforth's obstetrics and gynecology, 8th ed. Lippincott-Raven. 305-307.

Tollner U. (1982): Early diagnosis of septicemia in the newborn. Clinical studies and sepsis score. Eur J Pediatr; 10: 331-337.

Torpy D.J., Bornstein S.R. and Chrousos G.P. (1998): Leptin and interleukin-6 in sepsis. Hormone and Metabolic Research; Dec;30(12):pp 726-729.

Trayhurn P., Hoggard N., Mercer JG. and Rayner DV. (2006): Leptin fundamental aspects: International journal of obesity and related metabolic disorders. 23(suppl 1): 22-28.

Van Gaal LF., Waulers MA., Mertens LL., Considine RV. and De Leeuws IH. (2003): Clinical Endocrinology of Human Leptin. Int Jobes Rlat Metab.Disord 23:Suppl. 1:29-36.

Vartzelis G., Theodoridou M. and Daikos G. (2005): Brain abscesses complicating Staphylococcus aureus sepsis in a premature infant. Infection; 33 (1): 36-8.

Vidyasagar D. (2000): A new score to detect neonatal nosocomial infection: "A rule of 14". Crit Care Med; 28: 2166-67.

Wabitsch M., Jensen PB., Blum WF., Christoffersen CT., Englaro P., Heinze E., Rascher W., Teller W., Tornqvist H. and Hauner H. (2006): Insulin and cortisol promote leptin production in cultured human fat cells. Diabetes, 45: 1435-38.

Wang Q., Bing C., Al-Barazanji K., Mossakowaska DE., Wang XM., McBay DL., Neville WA., Taddayon M., Pickavance L., Dryden S., Arch JR., Trayhurn P. and Williams G. (2007): Interactions between leptin and hypothalamic neuropeptide Y neurons in the control of food intake and energy homeostasis in the rat. Diabetes, 46(3):335-41.

Weisman LE., Stoll BJ. and Cruess DF. (2001): Early-onset group B streptococcal sepsis: a current assessment. J Pediatr; 121: 428.

Weisse ME. (2008): Malassezia. In: Kliegman RM, Behrman RE, Jenson HB and Stanton BF (eds). Nelson Textbook of Pediatrics, 18th ed. Elsevier; 233: 1312-13.

Weisse ME. and Aronoff SC. (2008): Candida. In: Kliegman RM, Behrman RE, Jenson HB and Stanton BF (eds). Nelson Textbook of Pediatrics, 18th ed. Elsevier; 231: 1307-10.

Wong NACS, Hunt LP, Marlow N.(1997): Risk factors for developing neonatal septicaemia at a Malaysian hospital. J Trop Pediatr.;43:pp54-58.

World Health Organization (WHO), (2006): Neonatal and perinatal mortality: country, regional and global estimates. Geneva, Switzerland: WHO.

Yagupsky P., Menegus MA. and Powel KR. (2000): The changing spectrum of group B streptococcal disease in infants: an eleven-year experience in a tertiary care hospital. Pediatr Infect Dis J; 10: 801-4.

Yancey MK., Duff P., Kubilis P., Clark P. and Frentzen BH. (1996): Risk factors for neonatal sepsis. Obstet Gynecol. J., Feb;87(2):pp188-94.

Yang S.W. and Kim S.Y. (2000): The relationship of the levels of leptin, insulin-like growth factor-I and insulin in cord blood with birth size, ponderal index and gender difference; 13(3): pp 289-296.

Zachwieja JJ., Hendry SL., Smith SR. and Harris RB. (2007): Voluntary wheel running decreases adipose tissue mass and expression of leptin mRNA in Osborne-Mendel rats. Diabetes, 46:1159-66.

Zhang Y., Proenca P., Maffie M., Barone M., Leopold L. and Friedman J.M. (1994): Positional cloning of the mouse obese gene and its human homologue. Nature 372:425-432.