

References

- Abolghasemi H, Mehrani H and Amid A (2004):** An update on the prevalence of glucose-6- phosphate dehydrogenase deficiency and neonatal jaundice in Tehran Neonates. *Clinical biochemistry*; 37: 241-244.
- Aforza S (2006):** Neonatal sepsis a global problem: an overview. *My mensingh med j.*; 15: 108-114.
- Agrawal R and Deorari AK (2002):** unconjugated hyperbilirubinemia in newborns. *Indian pediatrics*; 39: 30-42.
- Ahlfors CE and Shapiro SM (2001):** Auditory brain stem response and unbound bilirubin in jaundice Gun rat pups. *BiolNeonate.J acobsen*; 80: 158-162
- Alexandra BM, Silva RF and BritesD (2006):** Bilirubin toxicity to human erythrocytes. *Clin Chim Acta.*; 374:46-56.
- American academy of pediatrics (2004) (a):** AAP: Practice parameter: Management of hyperbilirubinemia in healthy term newborn. *Pediatric*; 94:558-565.
- American academy of pediatrics (2004) (b):** AAP: Subcommittee on hyperbilirubinemia. Management of hyperbilirubinemia in newborn infant 35 or more weeks of gestation. *Pediatrics* 2004 Jul; 114 (1): 297-316.
- American association of banks (2002):** Blood transfusion and its complication 108:776-89.

- Arredouani M, Matthijs P and Van Hoeyveld E (2003):** Haptoglobin directly affects T cells and suppresses T helper cell type 2 cytokine release. *Immunology*: 108:144-151.
- Asleh R and Levy AP (2005):** In vivo and in vitro studies establishing haptoglobin as a major susceptibility gene for diabetic vascular disease. *Vasc Health Risk Manag.*; **1**: 19–28.
- Balistreri WF (2004):** jaundice and hyperbilirubinemia. **In:** Beherman RE, Kliegman RM and Jason HB. (Eds) by Nelson Textbook of pediatrics.. 17th Ed. Philadelphia; Saunders. Pp 592-606.
- Ballard JL, Khoury JC and Wedig K (1991) :** New Ballard Score expanded to include extremely premature infants. *J Pediatrics*; 119:417- 423.
- Barefield ES, Dwyer MD and Cassady G (2000):** Association of patent ductus arteriosus and phototherapy in infants weighting less than 1000 grams. *J Perinato.*; 13:376-380.
- Baumann R (2005):** Febrile Seizures. *eMedicine. Web MD.* <http://www.emedicine.com/neuro/topic134.htm>. Retrieved 06-09-2006.
- Berkova N, Lemay A and Dresser DW (2001):** Haptoglobin is present in human endometrium and shows elevated levels in the decidua during pregnancy. *Mai Hum Reprod.*; 7:747-754.
- Bernaldo AJ and seger CA (2004):** Bilirubin dosage in cord blood: could it predict neonatal hyperbilirubinemia: *Sao Paulo Med J*;102: 99-103.

- Bertini G, Dani C, Trochin M and Rubaltelli FF (2001):** Is breast feeding really favouring early neonatal jaundice?. *Pediatrics*; 107: E 41.
- Bhat S (2005):** Neonatal Jaundice in: Guha DK, Arvind MD, Swarnarekha MD, (Eds): *Neonatology principles and practice*, Jaypee Brothers, New Delhi, Third Edition, 881-900.
- Bhutani VK and Johnson LH (2003):** Newborn jaundice and kernicterus health and societal perspectives. *Indian J Pediatr*; 70: 407-416.
- Bhutani VK and Johnson LA (2009):** A protocol to prevent severe neonatal hyperbilirubinemia and kernicterus. *Journal of perinatology*; 29:561-567.
- Bhutani VK and Johnson LH (2001):** Neonatal hyperbilirubinemia: An evidence -based approach. In FD Burg et al., eds., *Gellis and Kagan's current pediatric therapy*, 17th ed., pp. 298-306. Philadelphia: W.B. Saunders.
- Bhutani VK, Gourlley GR and Adeler S (2002):** Non invasive measurements of total serum bilirubin in a multiracial pre-discharge newborn population to assess the risk of severe hyperbilirubinemia. *Pediatrics*; 106:E17.
- Bhutani VK, Johnson LH and Keren R (2004):** Diagnosis and management of hyperbilirubinemia in the term neonate: for a safer first week. *Pediatric ClinN Am.*; 51: 843-861.

Bowman BH (1993): Haptoglobin. In: Bowman BH, ed Hepatic Plasma proteins. San Diego. CA: Academic Press. 1993.159-167.

Bozorgmehr J, Saffari Y and Sadrzadeh SMH (2003): Role of haptoglobin in epilepsy; *Cun Chem.* ; 49 A116.

BV Sauter, Dennery, Camilla R, Martin and John PC (2007): Pathogenesis of neonatal unconjugated hyperbilirubinemia: Neonatal hyperbilirubinemia. In: Cloherty JP, Eichenwal EC, Strak AR (Eds): *Manual of neonatal care*, (6th edition), Lippincott Williams & Wilkins, Pp185-221

Cakmak A ,Calic M ,Atas A ,Hirfanglu I and Erelo O (2008) :Can haptoglobin be an indicator for the diagnosis of neonatal jaundice .*J clin lab Anal.*;22:409-414 .

Carter k and Worwood M (2007): Haptoglobin. A review of the major allele frequencies world wide and the associations with disease. *Int J lab hematol*; 29:92-110.

Cavaliere TA (2004): Red blood cell indices: implications for practice. *NBIN*; 4:231-239.

Chand N and Sanyal AJ (2007): Sepsis-induced cholestasis.*Jan.*; 45:230-241 .

Chen F (2006): Quantification of DNA fragmentation in apoptosis. *Nucleic Acid Research*; 24:883-992.

Cloherty JP (2004): Neonatal hyperbilirubinemia. In: Martin CR and Cloherty JP (eds). *Manual of Neonatal Care* (5 th ed). Lippincott-Williams and Wilkins, Philadelphia: 185-221.

Cohen SM (2006): Jaundice in the full-term newborn. *Pediatrics Nurs.*; 32:202-208.

Costa-Mallen P, Checkoway H, Zabeti A, Edenfield MJ, Swanson PD, and Sadrzadeh SM (2008): The functional polymorphism of the hemoglobin-binding protein haptoglobin influences susceptibility to idiopathic Parkinson's disease. *Am J Med Genet B Neuropsychiatr Genet.*; 147:216–222.

De Kleijn DP, Smeets MB and Kemmeren PP (2002): Acute-phase protein haptoglobin is a cell migration factor involved in arterial restructuring. *FASEB J.*; 6:1123-1125.

De-Carevalho M, De-Carevalho D, Tizmielin S, Lopes JM and Hansen TW (2000): Intensified phototherapy using day and light fluorescent lamps. *Acta Pediatr.*; 88:768-771.

Delanghe J, Langlois M and Duprez D (1999): Haptoglobin polymorphism and peripheral arterial occlusive disease. *Atherosclerosis*; 145:287-292.

Delanghe JR and Langlois MR (2001): Hemopoexin; A review of biological aspects and the role in laboratory medicine. *Clin Chim Acta.*; 312:13-23 .

- Delanghe JR, Langlois MR and Boelaert JR (1998):** Haptoglobin polymorphism, iron metabolism and mortality in HIV infection. *AIDS*; 12:1027-1032
- Dennergy PA (2002):** Pharmacological interventions for the treatment of neonatal jaundice. *Semin Neonatal.*; 7: 11-9.
- Dennergy PA (2005):** Metalloporphyrins for the treatment of neonatal jaundice. *Curr Opin Pediatrics Apr.*; 17:167-169.
- Dennergy PA, Seidman DS and Stevenson DK (2001):** Neonatal hyperbilirubinemia. *New England Journal of Medicine*; 344:581-90.
- Deshpande PG (2006):** Breast milk jaundice. *Eur J Pediatrics*; 158: 323-328.
- Djokomuljanto S, Quah BS, Surini Y, Noraida R, Ismal NZ, Hansen TW and Van Rostenbergh H (2006):** Efficacy of phototherapy for neonatal jaundice is increased by the use of low cost white reflecting curtains. *Arch Dis Child Fetal neonatal Ed.*; 6: F439-42.
- Facchini FP , Mezzacappa MA and Rosa IR (2007):** Follow up of neonatal jaundice in term and late premature newborns. *J pediatr.*; 83:313-318.
- Fairbanks VF and Beutler E (2000):** Iron metabolism. In1 Williams WJ. "1 Beutler E. Lichtman MA eds . *Williams Hematolog* 6th ed New York, NY: McGraw-Hill Professional ; 293-305.

- Friedrichs WE, Navarero-Ashbaugh AL and Bowman BH (1995):** Expression and inflammatory regulation of haptoglobin gene in adipocytes. *Biochem Biophys Res Commun.*; 209:250-256.
- Funk CD (1996):** The molecular biology of mammalian lipoxygenases and the quest for eicosanoid functions using lipoxygenase-deficient mice. *Biochim Biophys Acta*; 1304:65-84.
- Gartner LM , Herreras CT and Sebring RH (2001):** Practice patterns in neonatal hyperbilirubinemia. *Pediatrics*; 101:25-31.
- Goldstein JL, Goldstein KA and Wardwell K (2003):** Increase in plasma and surface CD 163 levels in patients undergoing coronary artery bypass graft surgery. *Atherosclerosis*; 170:325-332.
- Gottstein R and Cooke RWI (2003):** Systematic review of intravenous immunoglobulin in hemolytic disease of the newborn. *Arch Dis Child Fetal Neonatal Ed* 88; F610.
- Gourley GR (2001):** Neonatal jaundice and disorders of bilirubin metabolism in Suchy FJ, Sokol RJ, Balistreri WF .(Eds) *Liver disease in children (2 nd edn)*. Lippincott Williams and Wilkins ; 275-314.
- Gourley GR, Kreamer BL and Kosorok MR (2005):** Double- blind trial of prophylaxis against jaundice among breastfed newborns. *Pediatrics*; 116:385-391.
- Gupta R, Nagdeve NG and sarin YK (2005):** Neonatal surgical jaundice revisited. *Indian J Pediatric*; 72:415-423.

- Gupta S, Shaw AN and Shah KC (2005):** Hematological findings and severity of G6PD deficiency. JAPI; 53:3-10.
- Guyton, Arthur, and John Hall, John (2005):** Textbook of Medical Physiology, unders, September 2005, ISBN 978-0-7216-0240-0.
- Halliwell B and Gutteridge JMC (2000):** Reactive species as useful biomolecules. In Free Radicals in Biology' and Medicine. 3rd ed Oxford, England: Oxford University Press; 467-481.
- Hanlon-Lundberg KM and Kirby RS (2000):** Association of ABO incompatibility with elevation of nucleated red blood cell count in term neonates. AM J Obstetric Gynecologic 183: 1532-1536.
- Hansen TW (2006):** Recent advances in the pharmacotherapy for hyperbilirubinemia in the neonate. Expert Opin Pharmacother.; 4:1939-48.
- Hansen TW (2007):** Jaundice, neonatal. Extracted from <http://www.emedicine.com/ped/neonatology>. Last updated Oct 18, 2007. Extracted on January 2008.
- Harris MC, BernbaumS JC and Polin JR(2001):** Developmental follow up of breastfed term and near-term infants with marked hyperbilirubinemia. Pediatrics; 107:1075-1805.
- Hart AP (1925):** Familial icterus gravis of the newborn and its treatment. Can Med Assoc J 15: 100S. Hepatology; 45: 230-41. Indian Pediatric; 39(1): 30-42.

- Huang CS, Chang PF and Huang MJ, Li YC, Liu TH and Tang TK (2002):** Neonatal jaundice and glucose-6-phosphate dehydrogenase deficiency, the UDP-glucuronosyl transferase 1A1 gene, and neonatal hyperbilirubinemia. *Gastroenterology*; 123:127-133.
- Huang W, Zhang J, Chun S (2004):** Induction of bilirubin clearance by the constitutive androstane receptor (CAR). *Proceedings of the National Academy of Sciences (PNAS)*; 100(7): 4156-4161.
- IpS, Chung M, Kulog J, O Brien R, Glick S, Maisels MJ and Lau J (2004):** An evidence-based review of important issues concerning neonatal hyperbilirubinemia. *Pediatrics*; 114:136:215.
- Javid J (1978):** Human haptoglobins. *Curr Top Hematol.*; 1:151-192
- Javier MC, Krauss A and Nesin M (2003):** Corrected end-tidal carbon monoxide closely correlates with the corrected reticulocyte count in coombs' test-positive term neonates. *Pediatrics.* ;112:1333-1337.
- Johnson L, Brown AK and Bhutani VK (2002):** System-based approach to management of neonatal jaundice and prevention of kernicterus. *J Pediat.*; 93:488-494.
- Joshua O, and Titus A (2009) :**Why we are still doing so many exchange blood transfusion for neonatal jaundice in Nigria *World J Pediatr* .;5:51-55 .
- Juetschke, LJ (2005):** Kernicterus: still a concern. *Neonatal Network*; 24:59-62.

Kaplan M and Hammerman C (2005): American academy of pediatrics guidelines for detecting neonatal hyperbilirubinemia and preventing kernicterus Arch. Dis. Child. Fetal Neonatal Ed., November 1; 90(6):F448-F449.

Kaplan M and Hammerman E (2004): Glucose-6-phosphate dehydrogenase deficiency: A hidden risk for kernicterus. Semin perinatol. 28:356-364.

Kaplan M, Muraca M, Hammerman C, Rubatelli FF, Vilei MT, Verman HJ and Stevenson DK (2002): Imbalance between production and conjugation of bilirubin; A fundamental concept in the mechanism of neonatal jaundice. Pediatr.; 110:47-48.

Kappas A (2004): A method for interdicting the Development of severe jaundice in Newborns by Inhibiting the Production of Bilirubin Pediatrics; 113:119-123.

Karpen SJ (2002): Update on the etiologies and management of neonatal cholestasis. Clin Perinatol Mar.; 29:159-180.

Kirk RL, Kinns H, and Morton NE (1970): Interaction between the ABO blood group and the haptoglobin system ;42:384-389

Klaus MH, and Fanaroff AA (2001): Care of the High Risk Neonate , 5th ed . Philadelphia , PA: Saunders Company.

Kniipfer M, Pulzer F, Gebauer C, Robel-Tillig E and Vogtmann C (2005): Predictive value of umbilical cord blood bilirubin for postnatal hyperbilirubinaemia. Acta Paediatr.; 94:581-587 .

- Koosha A and Rafizadeh B (2007):** Evaluation of neonatal hyperbilirubinemia at Zanjan and prevalence of Glucose-6-phosphate dehydrogenase deficiency. In Singapore Med J.; 48: 424-425.
- Korejo BH, Qrushi AM, and Bhugri (2011):** Etiology of neonatal Jaundice: MC Vol 17; 53-56.
- Kumar A, Pant P, Basu S, Rao GR and Khanna HD (2007):** Oxidative stress in neonatal hyperbilirubinemia. J Trop Pediatric; 53:69-71.
- Lange V (1992).**Haptoglobin polymorphism: Not only genetic marker. Anthropol Anz; 215:691-693
- Langlois M, Delanghe J and Philippe J (1997):** Distribution of lymphocyte subsets in bone marrow and peripheral blood is associated with haploglobin type. Eur J Clin Chem Clin Biochem.; 35:199-205.
- Langlois MR and Delanghe JR (1996):** Biological and clinical significance of haptoglobin polymorphism in humans. Clin Chem.; 42:1589-1600.
- Lavie L, Lotan R and Hochberg 1 (2003):** Haptoglobin polymorphism is a risk factor for cardiovascular disease in patients with obstructive sleep apnea syndrome. Sleep; 29:592-595.
- Levy AP, Roguin A and Hochberg L (2000):** Haptoglobin phenotype and vascular complications in patients with diabetes. Engl J Med.; 343:969-970.

Lim SK (2001): Consequences of haemolysis without haptoglobin. Redox Rep.: 6:375-378.

Madan A, MacMahon JR and Stevenson DK (2005): Neonatal hyperbilirubinemia, In: Taeusch HW, Ballard RA, and Gleason CA (Eds). Avery's Diseases of The Newborn, 8th edition, Saunders, 79:1226-55.

Maeda S, Miyauchi T and Iemitsu M (2003): Endothelin receptor antagonist reverses decreased NO system in the kidney in vivo during exercise. Am J Physiol Endocrinol Metab.; 24:5-6.

Maisels MJ, Kring E, and Deridder J, (2007): Randomized controlled trial of light emitting diode phototherapy. J Perinatol; 27:565.

Maisels and McDonagh (2008): February 28, 2008, The New England Journal of Medicine is owned; 2010.

Maisels MJ (2005): Jaundice. In: MacDonald MG, Mullett MD, Seshia MMK, (Eds). Avery's Neonatology. 6th ed. Philadelphia, Pa: Lippincott, Williams & Wilkins: 768-846.

Maisels MJ (2006): What's in name? Physiologic and Pathologic Jaundice: The conundrum of defining normal bilirubin levels in the newborn. Pediatrics; 118(2):805-807.

Maisels MJ and Kring E, (2006): bilirubin rebound following intensive phototherapy. Arch Pediatrics; 118(2):805-807.

Maisels MJ and Watchko JF (2003): Treatment of jaundice in low birth weight infants. Arch Dis Child fetal neonatal edition; 88:F459.

Maisels MJ, (2006): Bilirubin unbound: déjà vu all over again? Pediatrics; 117:523.

Maisels MJ, Kring E , (2006): The contribution of hemolysis to early jaundice in normal newborns. Pediatrics 118:276-279 .

Malchy B, Rorstad O, Dixon GH(1973): The half-molecule of haptoglobin studies on the product obtained by the selective cleavage of haptoglobin disulfide. Can J Biochem. 1973;51:265-273 .

Mancini, G; Carbonara, AO; Heremans, JF (1992): Immunochemical quantitation of antigens by single radial immunodiffusion. Immunochemistry. LS,V: 2 : 235–254

Mc Donagh (2001): Phototherapy: from ancient Egypt to new millennium. J ultrasound Med; 337-42. Me Donagh AF and

Mc Kiernan , PJ (2002): Neonatal Cholestasis. Semin neonatal ABR: 7: 153-65.

Mehta S, Kumar P and Narang A (2005): A randomized controlled trial of fluid supplementation in term neonates with severe hyperbilirubinemia. J Peditr; 147:781-5.

Melamed-Frank M, Lache O, Enav B1, et al(2001) : Structure-, function analysis of the antioxidant properties of haptoglobin. Blood;98 3693-3698.

Mentzer WC and Glader BE., (2005): Erythrocyte disorders in infancy. In: Taeusch HW, Ballard RA, and Gleason CA.Eds: avery's Diseases of The Newborn 8th ed Saunders, 77:1180-1211.

- Miederer SE, Hotz J (December 1996).** "[Pathogenesis of kidney hemolysis]" (in German). *Bruns Beitr Klin Chir* **217** (7): 661–5.
- Mockenhaupt FP, Mandelkow J, Till H, Ehrhardt S, Eggelte TA and Bienzlc U (2003):** Reduced prevalence of plasmodium falciparum infection and of concomitant anemia in pregnant women with heterozygous G6PD deficiency. *Trop Med Int Health*; 8:118-124.
- Moise KJ (2002):** Diagnosis and management of Rh allo-immunization. Available at:<http://stone.utdol.com/App/index.asp>. Extracted in October 2006.
- Moncada S and Higgs A (2002) :** The L-arginine-nitric oxide pathway. *N Engl J Med.*; 329:2002-2012.
- Morioka D, Kasahara M and Takada Y (2005):** Living donor liver transplantation for pediatric patients with heritable metabolic disorders. *AM J Transplant*; 5:2754-2763.
- Mundy CA (2005):** Intravenous immunoglobulin in the management of hemolytic disease of the newborn. *Neonatal Netw.*; 24:17-24.
- Nelson (2006):** Essentials of pediatrics Fifth Edition, Robert M. Kliegman, Karenj Marcadante, Hal B. jenson, Richard E. Behrman, 2006.
- Newman TB, Liljestrاند P and Escobar GJ (2003):** Infants with bilirubin levels of 30mg/dl or more in a large managed care organization. *Pediatrics*; 111:1303-1311.

- Ohls RK (2004):** Developmental erythropoiesis. In: Polin RA, Fox WW, Abman SH. (Eds): Fetal and Neonatal Physiology 4th ed., Philadelphia, PA: Saunders 1399-1420.
- Okuda M, Tokunaga R and Taketani S (1992):** Expression of haptoglobin receptors in human hepatoma cells. *Biochim Biophys Acta.*; 1136: 143 -149.
- Olds, Sally, (2004):** Maternal-Newborn Nursing and Women's Health Care, 7th ed. Saddle River, NJ: Prentice Hall. *Pediatrics* 112(6):1333-1337.
- Oshiro S, Yajima Y and Kawamura K (1992):** Catabolism of haemoglobin-haptoglobin complex in microsome subfractions. *Chem Pharm Bull*; 40:1847-1851 .
- Papp M, Lakatos PL, Palatka K, Foldi I, Udvardy M, Harsfalvi J, Tornai I, Vitalis Z, Dinya T, Kovacs A, Molnar T, Demeter P, Papp J, Lakatos L and Altorjay I (2007):** Haptoglobin polymorphisms are associated with Crohn's disease, disease behavior, and extraintestinal manifestations in Hungarian patients. *Dig Dis Sci.*; 52:1279–1284.
- Petersen JR, Okorodudu AO and Mohammad AA (2005):** Association of trans-cutaneous bilirubin testing in hospital with decreased readmission rate for hyperbilirubinemia. *Clin Chem.*; 51:481-482.
- Pizzati M, Biaggiotti R, Vangi V, Lombardi E, Wiechmann L and Rubatelli F (2000):** Change in mesenteric blood flow response to feeding: conventional versus FO phototherapy. *Pediatr.*; 105:350-353.

Porter ML and Dennis BL (2002): Hyperbilirubinemia in the term newborn. *Am Fam Physician*; 65:599-606.

Prentice AM, Ghattas H, Doherty C and Cox SE (2007): Iron metabolism and malaria. *Food Nutr Bull*; 28:524–539.

Roll EB (2005): Bilirubin-induced cell death during continuous and intermittent phototherapy and in the dark. *Acta Paediatr.*; 94:7-42.

Roll EB and Christensen T (2005): Formation of photoproducts and cytotoxicity of bilirubin irradiated with turquoise and blue phototherapy light. *Acta Paediatr.*; 94:1448-1454.

Sameer Wagle et al, (2006): Hemolytic disease of Newborn June 22 S43-S47; 389-408 .

Sarici SU, Serdar MA and Korkmaz A (2004): Incidence, course, and prediction of hyperbilirubinemia in near-term and term newborns. *Pediatrics* .;109 :53-55 .

Sarin M, Dutta S and Narang A (2006): Randomized controlled trial of compact fluorescent lamp versus standard phototherapy for the treatment of neonatal hyperbilirubinemia. *Ind Pediatr.*; 43:583-590.

Sedlak TW and Snyder SH (2004): Bilirubin Benefits: Cellular Protection by a Biliverdin Reductase Antioxidant Cycle. *Pediatrics* Vol. 113No.6June,pp. 1776-1782.

Seidel HM (2001): Primary Care of the Newborn. St. Louis, MO:Mobsy.;42:142-144 .

Shapiro SM (2003): Bilirubin toxicity in the developing nervous system. *Pediatric neurology*; 29:410-421.

Siberry GK and Iannone R (2000): The Harriet Lane handbook: a manual for pediatric house officers. 15th ed. St. Louis: Mosby 257-8. Smith J (2006): Bilirubin, Impaired conjugation. Extracted from <http://www.emedicine.com/ped/neonatology>. Last update Jul 31, 2006. Extracted on January 2007.

Silverman LN and Christenson RH (1999) : Protein. In Burtis CA, Ashwood ER, eds. In Tietz: Textbook of Clinical Chemistry: Philadelphia, PA: Saunders :494-497.

Smithies O (1955): Zone electrophoresis in starch gels group variation in the serum proteins of normal human adults. *Biochem J*; 61:629-641.

Sneader, Walter (2005-06-23): *Drug Discovery*. John Wiley and Sons. p. 369. ISBN 0-471-89979-8.

Springer SC (2006): Kernicterus. Extracted from <http://www.emedicine.com/ped/neonatology>. Last update Jul 31, 2006. Extracted on January 2007.

Stevenson DK, Wong RJ and Vreman HJ (2004): NICHD conference on kernicterus: Research on Prevention of bilirubin-Induced Brain Injury and kernicterus: Bench-to-bedside diagnostic methods, prevention and treatment strategies. *J Perinatol.*; 24: 521-525.

Stokowski LA, Short M and Witt CL (2006): Fundamentals of phototherapy for neonatal jaundice. *Adv neonatal care*; 6:303-312.

Stoll BG and Kliegman RM (2004): Jaundice and hyperbilirubinemia in the newborn. In : Behrman RE , Kliegman RM Jenson H , Eds . Nelson Textbook of pediatrics. 16th ed. Philadelphia : saunders : 511-28.

Strauss RG, Burmeister LF and Johnson K (2000): Feasibility and safety of AS-3 red blood cells for neonatal transfusion. *J Pediatr.*;136:215-219.

Titus-Ernstoff L, Perry AE, Spencer SK, Gibson JJ, Cole BF and Ernstoff MS (2005): Pigmentary characteristics and moles in relation to melanoma risk. *Int J Cancer*; 116:144-149.

Tran S, Caughey AB (2004): erythrocyte Alloimmunization and Pregnancy. Available on line at:[http:// www.emedicine.com/med/topic3529.htm](http://www.emedicine.com/med/topic3529.htm). extracted in february 2005.

Trayhurn P and Wood IS (2004): Adipokines; inflammation and the pleiotropic role of white adipose tissue. *Br J Nutr.*; **92**:347–355.

Trevett TN, Dorman K, Lamvu G and Moise KJ (2005): Antenatal maternal administration of Phenobarbital for the prevention of exchange transfusion in neonates with hemolytic disease of the fetus and newborn. *Am J Obstetric Gynecologic Feb.* ;192:478-82.

Tudehope D, Mills JF (2006): Fibroptic phototherapy for neonatal jaundice. In Sinclair J, Bracken M, Soil RF, Horbar JD. (Eds), Neonatal module of Cochrane database of systematic reviews. Available in Cochrane library (database on disk and CD-ROM). The Cochrane collaporation , issue 2; Oxford. Extracted in January 2007.

Upadhyay A, Agarwal R, Dtorari AK and Paul VK (2002): Polycythemia in the newborn. *India J Pediatr.*; 69:79-82...

Vercellotti GM, Balla G and Balla J (1994): Heme and the vasculature an oxidative hazard that induces antioxidant defenses in the endothelium. *Artif Cells Blood Submit Immobil Bioiechnol.*; 22:207-213.

Verman HJ, Wong RJ and Stevenson DK (2004): Phototherapy: current methods and future directions. *Semin Perinatol.*; 28:326-333.

Vinod A and Bhutani VK (2010): Universal bilirubin screening for severe neonatal hyperbilirubinemia. *Journal of perinatology : official journal of the California Perinatal Association* ;30 :S6-59.

Vohr BR (1990): *New approaches to assessing the risks of hyperbilirubinemia. Clin Perinatol.*; 17:293-306.

Volpe JJ (2001): Bilirubin and brain injury. In Volpe JJ, editor. *Neurology of the newborn*. 4th edition. Philadelphia: 521-46.

Wagle S (2006): Hemolytic disease of newborn. Extracted from <http://www.emedicine.emedicine.com/ped/neonatology>. Last update Jun 22,2006.Extracted on January 2007.

Wagle S and Deshpande PG (2003): Hemolytic Disease of the Newborn. Available at: [http:// www.emedicine.com/ped/topic959.htm](http://www.emedicine.com/ped/topic959.htm). extracted in April 2006.

Wang F, Huang W and Li A (1996): Serum haploglobin suppresses T-lymphocyte functions following burns. *Chin Med Sci J.*; 11:180-183.

Wassell J (2000): Haptoglobin: function and polymorphism. *Lab*; 46:547-552.

Watchko JF (2005): Bilirubin induced apoptosis in vitro: insights for kernicterus. *Pediatric Res.*; 57:177-178.

Watchko JF (2006): Hyperbilirubinemia and bilirubin toxicity in the late preterm infant. *Clin Perinatol.*; 33:839-852.

Wong RJ and Stevenson DK (2007): Pathogenesis and etiology of unconjugated hyperbilirubinemia in the newborn. *Pediatr Res* ; 61:727:730.

Wong RJ, De Sandre GH, Sibley E, and Stevenson DK,(2006): Neonatal jaundice and liver disease. In: *Neonatal Perinatal Medicine: Diseases of the fetus and infant*, 8th edition, Martin RJ, Klaus MH, Fanaroff AA, Walsh MC (Eds), Mosby and Elsevier, Philadelphia, p. 1446.

Wong V, Chen WX and Wong KY (2006): Short and long term outcome of severe neonatal nonhemolytic hyperbilirubinemia. *J Child Neurol.*; 21:309-315.

Yang F, Friedrichs WE and Navarajo-Ashbaugh AL (1995): Cell type-specific and inflammatory-induced expression of haptoglobin gene in lung. *Lab Invest.*; 73:433-440.

Zaghlol H and Schulze KF (2001): Neonatal jaundice. In: *Textbook of Clinical Pediatrics*. Ed by Elzouki-AY. Harfi HA, and Nazar H. Lippincott Williams and Wilkins. Philadelphia. Pp 207-214.