

References

- AAP(American Academy of Pediatrics), Subcommittee on Neonatal Hyperbilirubinemia . Practice parameter : management of hyperbilirubinemia in the healthy term newborn . Pediatrics 1994; 94:558-5
- AAP (American Academy of Pediatrics) Subcommittee on Neonatal Hyperbilirubinemia . Neonatal jaundice and kernicterus . Pediatrics 2001; 108 : 763-5.
- AAP (American Academy of Pediatrics) . Clinical practice guideline: management of hyperbilirubinemia in the newborn infant 35 or more weeks of gestation . Pediatrics 2004 ;114:297-316.
- Aggarwal BB .Signaling pathways of the TNF superfamily : a double-edged sword. Nat Rev Immunol 2003; (9):745-56.
- Ahlfors CE Wennberg RP, Ostrow JD , Tiribelli C. Unbound (free) bilirubin : improving the paradigm for evaluating neonatal jaundice.Clin Chem . 2009 Jul;55(7):1288-99.
- Akins R , Jr.,McLaughlin T , Boce R ,Gilmour , Gratton K. Exogenous metalloporphyrins alter the organization and function of cultured neonatal rat heart cells via modulation of heme oxygenase activity . J Cell Physiol 2004 ; 201:26-34.
- Allcock R.J.N ,Windsor L , Gut G , Roman K , Garier ,Frank T,and Patricia P. High Density SNP genotyping defines 17 distinct

haplotypes of the TNF – block in the Caucasian population : omplication for haploty tagging. Human mutation 2004 Dec. vol 24 Issue 6, 517-525.

- Ambalavanan N, Carlo WA, D’Angio CT, et al; Eunice Kennedy Shriver National Institute of Child Health and Human Development Neonatal Research Network. Cytokines associated with bronchopulmonary dysplasia or death in extremely low birth weight infants. Pediatrics 2009;123:1132–1141
- Ameloot P., Fiers W., Bleser P.D., Ware C.F., Vandenabede P. and Broukaert P.: Identification of TNF amino acid crucial for binding to murine p75 TNF JR. and construction of receptor selective mutants. J Biol Chem; (2001) 276(4): 37426-30.
- Andreas KÖck, Thomas Schwarz, Reinhard Kirnbauer, Agatha Urbanski, Patricia Perry, S John C. Ansel,§ and Thomas A. Luger (1990): Human Keratinocytes Are a Source for Tumor Necrosis Factor α Evidence for , Synthesis and Release upon Stimulation with Endotoxin or Ultraviolet Light The journal of Experimental Medicine Volume 172 December 1609-1614
- Anthony J ,Piazza and Barbara J. Stoll :Nelson Textbook of Pediatrics 18th edition , Digestive system disorders . In Neonatal hyperbilirubinemia 2008 :756-766.
- Aoki T and Hirota T. An association between asthma and TNF - 308 G1A Polymorphism metaanalysis. J Hum Genet 2006;51: 677-685.

- Arai KI, Lee F ,Miyajima A, Miyataka S , Arai N , Yokota T. Cytokines : coordination of immune and inflammatory responses. *Annu Rev Biochem* 1990;59:783-836.
- Arora R , Srinivasan R . Is polyethylene safe and effective for chronic constipation in children ?*Arch Dis Child* 2005 ;90:643-6.
- Atabek ME ,Pirgon O and Kurtoglu S. Effects of phototherapy on the growthplate in newborn rats. *J Pediatr Orthop* 2006 ;26:144-147.
- Atay E , Bozaykut A and Ipek IO.Glucose -6-phosphate dehydrogenase deficiency in neonatal indirect hyperbilirubinemia . *J Trop Pediatr* 2006 ;52 (1):56-8.
- Aycicek A and Erel O . Total oxidant/antioxidant status in jaundiced newborns before and after phototherapy. *J Pediatr (Rio J)* 2007;83:319-322.
- Aycicek A, Kocyigit A, Erel O and Senturk H. Phototherapy causes DNA damage in peripheral mononuclear leukocytes in term infants . *J Pediatr (Rio J)* 2008;84:141-146.
- Barsotti M (2003). Hyperbilirubinemia , direct (conjugated) hyperbilirubinemia and indirect (unconjugated) hyperbilirubinemia . In T.Gomella , M.D. Cunningham, F .Eyal and K. Zenk(Eds.), *Neonatology:Management , procedure , on-call problems , diseases and drugs* (4th ed.,pp.230-237). New York:McGraw-Hill Medical.

- Bauer J and Herrmann F . Interleukin-6 in clinical medicine . Ann. Hematology 62 :203-10 (1991).
- Beachy JM. Investigating jaundice in the newborn . Neonatal Netw. 2007 Sep-Oct;26(5):327-33.
- Benedict CH , Scheller J , John SR , Born J AND Marshal L .(Enhancing influence of intranasal IL-6 on slow wave activity and memory consolidation during sleep). Federation of American Societies for Experimental Biology Last =Benedict 2009 , 23:3629-3636.
- Bertini G , Dani C, Trnchin M and Rubatelli FF. Is breastfeed really favoring early neonatal jaundice ? Pediatrics 2001 ;107:E 41-5.
- Bertini G , Pratesi S , Cosenza E , Dani C .Transcutaneous bilirubin measurement :evaluation of Bilitest . Neonatology 2008 ;93:101-5.
- Bhutani VK , Donn SM , Johnson LH . Risk management of sevese neonatal hyperbilirubinemia to prevent kernicterus . Clin Perinatol 2005 ;32(1):125-39.
- Bhutani VK, Gourly GR , Adler S ,et al. Noninvasive measurement of total serum bilirubin in a multiracial predischarge newborn population to assess the risk of severe hyperbilirubinemia . Pediatrics 2000;106(2):e17.
- Bhutani VK ,Johnson L ,Sivier EM (1999). Predictive ability of a pre-discharge hour-specific serum bilirubin for subsequent

- significant hyperbilirubinemia in healthy term and near-term newborns . *Pediatrics* , 103 ,6-14.
- Bhutani VK , Johnson LH , Keren R . Diagnosis and management of hyperbilirubinemia in the term neonate :for a safer first week . *Pediatr Clin North Am* 2004;51:843-61.
 - Bhutani VK , , Johnson LH , Keren R .Treating acute bilirubin encephalopathy before it is too late . *Contemp Pedso* 2005 ;22:57.
 - Bhutani VK , Johnson LH , Maisles MJ . Kernicterus : epidemiological strategies for its prevention through system –based approaches . *J Perinatol* 2004;24(10):650.
 - Bhutani VK , Maisles MJ , Stark AR , Buonocore G . Mangement of jaundice and prevention of severe neonatal hyperbilirubinemia in infants ≥ 35 weeks gestation. *Neonatology* 2008;94:63-7.
 - Bhutani VK , , Johnson LH , Schwoebel A , and Gennero S .(2006) A system approach for neonatal hyperbilirubinemia in term and near-term newborns .*Journal of Obesterics , Gynecologic and Neonatal Nursing* , 35, 444-454.
 - Bihl N , Heinimann K , Rudiger J J , Eickelberg O , Perruchoud A P ,Tamm M and Roth M 2002 . Identification of a novel IL-6 isoform binding to the endogenous IL-6 receptor . *Am J Respir Cell Mol Biol* 27, 48-56.
 - Bonavida B . Immunomodulatory effect of tumour necrosis factor . *Biotherapy* 3 :127-33 (1991)

- Boo N and Ishak S .Prediction of severe hyperbilirubinemia using the Bilicheck transcutaneous bilirubinometer . J Pediatr Child Health 2007 ; 43:297-302.
- Boonyarittipong P , Kriangburapa W , Booranavanich K . (2008) . Effectiveness of double-surface intensive phototherapy versus single-surface intensive phototherapy for neonatal hyperbilirubinemia. J Med Assoc Thai. Jan; 91(1):50-5.
- Brown LP , Arnold A and Allison D .Incidence and pattern of jaundice in healthy breast-fed infants during the first month of life . Nurs Res 1993 ;42(2): 106-10.
- Burgos AE ,Schmitt SK , Stevenson DK, Phibbs CS . Readmission for neonatal jaundice in California, 1991-2000 :trends and implications . Pediatrics 2008 April ;121(4):e 864-9.
- Cartledge P , McClean P. Prolonged jaundice in infants . Community Pract. 2009 May;82(5):36-7.
- Chang JH , Hsu CY , Lo JC , Chen CP , Huang FY , Yu S. Comparative analysis of neonatal morbidity for vaginal and caesarean section deliveries using hospital charge . Acta Pediatr. 2006 Dec ; 95 (12):1561-6.
- Chang TT .Transfusion therapy in critically ill children . Pediatr

Neonatology 2008 April;49(2):5-12.

- Chiesa C, Signore F, Assumma M, et al. Serial measurements of C-reactive protein and interleukin-6 in the immediate postnatal period: reference intervals and analysis of maternal and perinatal confounders. Clin Chem 2001;47:1016–1022
- Chou SC , Palmer RH and Ezhuthachan S. Management of hyperbilirubinemia in newborns : measuring performance by using a benchmarking model . Pediatrics 2003 ; 112(6):1264-73.
- Christensen RD , Henry E . Hereditary spherocytosis in neonates with hyperbilirubinemia . Pediatrics 2010 Jan ;125(1):120-5.
- Chu R, Zheng X, Chen D, Hu DN. Blue light irradiation inhibits the production of HGF by human retinal pigment epithelium cells in vitro. Photochem Photobiol 2006;82:1247–1250.
- Chung MA . Galactosemia in infancy :diagnosis , management and prognosis .Pediatr Nursing . 1997 Nov-Dec; 23(6):563-9.
- Claudius I ,Fluharty C , Boles R . The emergency department approach to newborn and childhood metabolic crisis . Emerg Med Clin North Am 2005;23:843-83.
- Cnattingius S ,Zack M,Ekbom A , Gunnarsog J ,Linnet M ,Adami HO . Prenatal and neonatal risk factors for childhood myeloid leukemia . Cancer Epidemiol Biomarkers Prev 1995;4:441-445.

- Cohen MC , Cohen S . Cytokine function :a study in biologic diversity . Am J Clin Pathol 1996 ;105:589-598.
- Cohen S (2006). Jaundice in the full term newborn . Pediatric nursing ; 32;202-208.
- Colletti JE , Kothari S , Jackson DM ,Kilgore KP , Barringer K . An emergencymedicine approach to neonatal hyperbilirubinemia . Emerg Med Clin North Am . 2007 Nov;25(4):1117-35.
- Costantino Romagnoli, Enrico Zecca, Patrizia Papacci, Giovanni Vento, Pietro Gibrlando, Caterina Latella (2006) .Which Phototherapy System Is Most Effective in Lowering Serum Bilirubin in Very Preterm Infants?- Fetal Diagn Ther;21:204-209.
- Cuperus FJ , Hafkamp AM ,Hulzebos CV , Verkade HJ. Pharmacological therapies for unconjugated hyperbilirubinemia with oral bile salts in gunn rats . Gastroenterology 2009;136:673-82.
- De Luca D , Zecca E , Corsello M , Tiberi E , Semeraro C , Romagnoli C. Attempt to improve transcutaneous bilirubinometry :a double-blind study of Medic Bilimed versus Respironics BiliCheck. Arch Dis Child Fetal Neonatal Ed.2008 ;93:135-9.
- Dennergy PA , Seidman DS , and Stevenson DK :Neonatal hyperbilirubinemia . N Eng J Med 2001,344:581-590.
- Despres JP , Lemieux I , Robins SJ . Role of fibric acid derivatives

in the management of risk factors for coronary heart disease . *Drugs* 2004 ;64:2177-98.

- Dimitrov S ,Lange T , Benedict C , Nowell MA ,Jones SA , Scheller J , Rose-John S ,and Born J . 2006 Sleep enhances IL-6 trans-signaling in humans . *FASEB J* 20,2174-2176.
- Dowlati Y, Herrmann N, Swardfager W, Liu H, Sham L, Reim EK, Lanctôt KL (2010). "A meta-analysis of cytokines in major depression". *Biol Psychiatry* **67** (5): 446–457. [doi:10.1016/j.biopsych.2010.09.033](https://doi.org/10.1016/j.biopsych.2010.09.033). [PMID 20015486](https://pubmed.ncbi.nlm.nih.gov/20015486/).
- Ebbesen F , Rasmussen LM , Wimberley PD . A new transcutaneous bilirubinometer , Bilichek , used in neonatal intensive care unit and the maternity ward . *Acta Paediatr* 2002;91:203-11.
- Einarsson K , Ewerth S , Nisell K and Blomstrand R . Effect of ursodeoxycholic acid treatment on intestinal absorption of triglycerides in man . *Scand J Gastroenterol* 1984 Mar;19(2):283-8.
- Elias A and Said et al 2009. PD-1 induced IL-10 production by monocytes impairs T-cell activation in a reversible fashion . *Nature Medicine* 2010 ;452-9.
- Emerick K 2006. Cholestasis . November 13 , 2006 , from www.emedicine.com/PED/topic383.htm.

- Erduran E, Arslan MK, Alperen A, Tekelioglu Y (1997): In vitro investigation of the effect of ultraviolet-C light on lymphocytes. *Turk Hematol Onkol Derg*; 7: 30–32.
- Frank CG , and Frank PH (2006) Neonatal jaundice in G.Merenstein and S.Gardner(Eds.) , *Handbook of neonatal intensive care* (6th ed., pp. 548-568)
- Gartner LM . Breastfeeding and jaundice . *J Perinatol* 2001;2:S25-9.
- Geller EJ , W.U.J.M. , Jannelli ML ,Nguyen TV andVisco AG . Neonatal outcome associated with planned vaginal versus planned primary cesarean delivery . *J Perinatol* 2010 Apr.;30(4):258-64.
- Gliman A , Goodman LS , Harman JG , Limbird LE (2001). Goodman and Gliman's the pharmacological basis of therapeutics . NewYork :McGraw-Hill . ISBN0-07-135469-7.
- Gourly GR .Breast-feeding ,neonatal jaundice and kernicterus . *Semin Neonatol*.2002 Apr;7(2):135-141.
- Gowen CW jr . Anemia and hyperbilirubinemia . In : Kliegman R. Nelso(2002)n *Essentials of Pediatrics* . 5th ed. Philadelphia , Pa .:Elsevier Saunders ; 2006 :313-322.
- Hafkamp AM , Havinga R , , Sinaasappel M , Verkade HJ . Effective oral treatment of unconjugated hyperbilirubinemia in Gun rats . *Hepatology* 2005 ; 41:526-34.

- Haider S Knöfler M.(2009) Human tumour necrosis factor: physiological and pathological roles in placenta and endometrium. *Placenta*. Feb; 30(2):111-23. Epub Nov 22.
- Halamek LP and Stevenson DK .(2002) . Neonatal jaundice and liver disease . In A.Fanaroff and R.J. Martin (Eds.) , *Neonatal-perinatal medicine :Diseases of the fetus and infant* (7th ed., pp . 1309-1350). St.Louis :Mosby .
- Hansen TW , Tommarello S . Effect of Phenobarbital on bilirubin metabolism in rat brain . *Biol Neonate* 1998 ; 73:106-11.
- Hanse TW . Kernicterus :an international perspective . *Semin Neonatol* . 2002 Apr; 7(2): 103-9.
- Haung MJ , Kua KE , Teng HC , et al . Risk factors for severe hyperbilirubinemia in neonates . *Pediatr Res* 2004 ; 56(5):682-9.
- Ip S , Chung M , Kulig J , O'Brien R , Sege R , Glick S , et al . An evidence-based review of important issues concerning neonatal hyperbilirubinemia . *Pediatrics* 2004 ;114:e130-53.
- Ipek IO , Bozaykut A . Clinically significant neonatal hyperbilirubinemia : an analysis of 646 cases in Istanbul . *J Trop Pediatr* 2008 Jun ;54(3):211-3.
- Iranpour R , Akbar MR , Haghshenas I . Glucose-6-phosphate dehydrogenase deficiency in neonates . *Indian J Pediatr*

2003;70(11):855-7.

- Jee sh , Chu CY , Chiu HC , Huang YL , Tsai WL , Liao YH and Kuo ml (2004) . Interleukin-6 induced basic fibroblast growth factor-dependent angiogenesis in basal cell carcinoma cell line via JAK/STAT3 and P13-kinase/Akt pathways. J Invest Dermatol 123, 1169-75.
- Jemnitz K , Lengyel G , Vereczkey L . In vitro induction of bilirubin conjugation in primary rat hepatocyte culture . Biochem Biophys Res Commun 2002;291:29-33.
- Joanna Narbutt, Aleksandra Lesiak, Malgorzata Skibinska, Anna Wozniacka Anna Sysa-Jedrzejowska,1 Joalanta Lukamowicz, and Henk van Loveren⁴ (2005) : Repeated Doses of UVR Cause Minor Alteration in Cytokine Serum Levels in Humans j Mediators of Inflammation :5 298–303
- Jones SA , Richards P J , Scheller J and Rose-John S 2005 . Review :IL-6 transsignaling :the in vivo consequences . J Interferon Cytokine Res 25 , 241-253.
- Juretschke LJ ,(2005). Kernicterus :Still a concern . Neonatal Network , 24(2),7-19.
- Kadakol A , Ghosh SS ,Sappal BS ,Sharma G ,Chwdhury JR , Chowdhury NR. Genetic lesions of bilirubin uridine-diphosphoglucuronate glucuronosyltransferase (UGT1A1) causing

- Crigler-Najjar and Gilbert syndromes : correlation of genotype to phenotype . Hum Mutat 2000;16:297-306.
- Kamimura D , Ishihara K and Hirano T 2003 .IL-6 signal transduction and its physiological roles :the signal orchestration model . Rev Physiol Biochem Pharmacol 149;1-38.
 - Kaplan M Hammerman C . Severe neonatal hyperbilirubinemia : a potential complication of glucose-6-phosphate dehydrogenase deficiency . Clin Perinatol 1998;25(3):575-90.
 - Kaplan M , Hammerman C . Understanding and preventing severe neonatal hyperbilirubinemia :is bilirubin neurotoxicity really a concern in the developed world . Clin Perinatol 2004;31(3):555-75.
 - Kaplan M , Herschel M , Hammerman C , Hoyer JD , Stevenson DK . Hyperbilirubinemia among African American , glucose-6-phosphate dehydrogenase deficient neonates . Pediatrics Aug 2004;114(2):e213e9.
 - Kaplan M , Shchors I , Algur N , Bromiker R , Schimmel MS , Hammerman C . Visual screening versus transcutaneous bilirubinometry for predischage jaundice assessment . Acta Paediatr 2008;97:759-63.
 - Karin M , Yamamoto Y , Wang QM . The IKK NF-kappa B system :a treasure trove for drug development . Nat Rev Drug

Discov 2004;3(1):17-26.

- Kazmierczak SC , Robertson AF , Briley KP , Kreamer B , Gourley GR . Transcutaneous measurement of bilirubin in newborns :comparison with an automated Jendrassik-Grof procedure and HPLC . Clin Chem 2004;50:433-5.
- Kazmierczak SC , Robertson AF , Briley KP . Comparison of hemolysis in blood samples collected using an automatic incision device and a manual lance . Arch Pediatr Adolesc Med 2002;156:1072-4.
- Kedar PS , Warang P , Colah RB ,et al . Red cell pyruvate kinase deficiency in neonatal jaundice cases in India . Indian J Pediatr 2006;73(11):985-8.
- Kennedy M, Kim KH, Harten B, et al. Ultraviolet irradiation induces the production of multiple cytokines by human corneal cells. Invest Ophthalmol Vis Sci 1997;38:2483–2491
- Keren R , Bhutani VK , Luan X , et al . Identifying newborn at risk of significant hyperbilirubinemia :a comparison of two recommended approaches . Arch Dis Child 2005 ; 90:415-21.
- Keren R , Luan X , Friedman S , Saddlemire S , Cnnan A , Bhutani VK. A comparison of alternative risk-assesment stratigies for predicting significant neonatal hyperbilirubinemia in term and near-term infants . Pediatrics 2008;121:e170-9.

- Kern PA , Ranganathan S , Li C , Wood L , and Ranganathan G . 2001 .Adipose tissue tumour necrosis factor and interleukin-6 expression in human obesity and insulin resistance . Am J Physiol Endocrinol Metab 280 , E 745-E751.
- Kirk JM . Neonatal jaundice :a critical review of the role and practice of bilirubin analysis . Ann Clin Biochem 2008 Sep;45(pt5):452-62.
- Knudsen A , Ebbesen F . Cephalocaudal progression of jaundice in newborns admitted to neonatal intensive care units . Biol Neonate 1997;71:357-61.
- Kolman KB , Mathieson KM , Frias C . Acomparison of transcutaneous and total serum bilirubin in newborn Hispanic infants at 35 or more weeks of gestation . Am Board Fam Med 2007;20:266-71.
- Kotal P , Vitek L , Fevery J . Fasting-related hyperbilirubinemia in rats :the effect of decreased intestinal motility . Gastroenterology 1996;111:217-23.
- Kumar P, Murki S, Malik GK, Chawla D, Deorari AK, Karthi N, Subramanian S, Sravanthi J, Gaddam P, Singh SN. (2009). Light-emitting Diodes versus Compact Fluorescent Tubes for Phototherapy in Neonatal Jaundice: A Multi-center Randomized Controlled Trial. Indian Pediatr. May 20.

- Kumral A, Ozkan H , Duman N ,Yesilirmak DC , IslkelH , Ozalp Y . Breast milk jaundice correlates with high levels of epidermal growth factor . *Pediatr Res* .2009 Aug ;66(2):218-21.
- Kurt A , Aygun AD, Kurt AN , Godekmerdan A , Akarsu S , Yilmaz E. Use of phototherapy for neonatal hyperbilirubinemia affects cytokine production and lymphocyte subsets . *Neonatology* . 2009;95(3):262-6.
- Kurt AN , Aygun AD, Godekmerdan A , Kurt A , Dogan Y, Yilmaz E. Serum IL-1beta , IL-6 , IL-8 and TNF-alpha leves in early diagnosis and management of neonatal sepsis . *Mediators Inflamm* 2007;2007:31397.
- Lakatos L , KÖver B , Oroszlan GY and Vekerdy Z . D-penicillamine therapy in ABO hemolytic disease of the newborn infant . *European Journal of Pediatrics* 1976 vol.123,NO(2)133-137.
- Laosombat V , Disseneevate S , Choyanon P and Matsuo M . Neonatal hyperbilirubinemia associated with southeast Asian ovalocytosis . *American Journal of Hematology* (1999). Vol.60, issue 2,:136-139.
- Leite M , Granto V , Facchini F , Marba S . Comparison of transcutaneous and plasma bilirubin measurements . *J Pediatr (Rio J)* 2007;83:283-6.

- Lentzsch S , Chatterjee M , Gries M , Bommert K , Gollasch H , Dorken B and Bargous RC 2004 . P13-K/AKT/FKHR and MAPK signaling cascades are redundantly stimulated by a variety of cytokines and contribute independently to proliferation and survival of multiple myeloma cells . *Leukemia* 18, 1883-90.
- Lo S , Doumas BT , Ashwood E . Performance of bilirubin determinations in US laboratories-revisited . *Clin Chem* 2004;50:190-4.
- Locksley RM , Kevin N , Leonardo MJ . The TNF and TNF receptor super families :integrating mammalian cell 2001;104(4):487-501.
- Madan A , McMahon J and Stevenson D 2005 . Neonatal hyperbilirubinemia in H. W. Taeusch R A Ballard and C. A. Gleason (Eds.) , *Avery's diseases of the newborn* (8th ed ., pp. 1226-1230). Philadelphia :Elsevier .
- Madsen LP , Rasmussen MK , Bjerregard LL , NØhr SB , Ebbesen F . Impact of blood sampling in very preterm infants . *Scand J Clin Lab Invest* 2000;60:125-32.
- Maines MD , Kappas A :Metals as regulators of heme metabolism . *Science* .,1977 Dec.23;198(4323):1215-1221.
- Maisles M . Neonatal jaundice . *Pediatr Rev* 2006 ;27(12):443-54.

- Maisles MJ , Kring E . Transcutaneous bilirubin level in the first 96 hours in a normal newborn population of ≥ 35 weeks gestation . Pediatrics 2006; 117:1169-73.
- Maisles MJ ,McDonagh AF . Phototherapy for neonatal jaundice . N Engl J Med 2008;358:920-928.
- Maisles MJ , Ostrea EM , Jr , Touch S , Cline SE , Cepeda E , Kring E , et al . Evaluation of a new transcutaneous bilirubinometer . Pediatrics 2004;113:1628-35.
- Maisles MJ . Jaundice . In : McDonald MG , Seshia MMK , Mullett MD , eds. Neonatology :Pathophysiology and management of the newborn . Philadelphia , Pa :Lippincott Co ; 768-846.
- Maisles MJ :Phototherapy- Traditional and nontraditional . J Perinatol 21(2000):93.
- Maisles MJ . (2001) . Neonatal hyperbilirubinemia . In M. Klaus and A. Fanaroff (Eds.) , Care of the high-risk neonate (5th ed ., pp. 324-362).Philadelphia :Saunders.
- Maisles MJ . (2006) .Neonatal jaundice . Pediatrics in Review , 27 , 443-454.
- Maisels MJ et al., Kring EA, and DeRidder J (2007) Randomized controlled trial of light - emitting diode phototherapy Sep; 27(9):565-7.

- Maisels MJ and McDonagh AF :phototherapy for neonatal jaundice . New England Journal of medicine(2008), 358:920-928.
- Malamitsi , Puchner A , Papadakis D , Kalpoyamis N and Nicolopoulos D . Combined treatment of neonatal jaundice with phototherapy , cholestyramine and bicarbonate . The Journal of Pediatrics 1981;99(2):324-5.
- Matichard E , Le Henanff A , Sanders A , Leguyadec J , Crick B , Descamps V . Effect of normal phototherapy on melanocytic nevus count in children . Arch Dermatol(2006); 142:1599-1604.
- May C , Patel S , Peacock J , Milner A , Rafferty GF , Greenough A . End-tidal carbon monoxide concentration in prematurely born infants developing bronchopulmonary dysplasia . Pediatr Res 2007;61:474-8.
- McDonagh AF . Lyophilic properties of protoporphyrin and bilirubin . Hepatology 2002;36:1028-9.
- McKiernan PJ . Neonatal cholestasis . Semin Neonatol 2002 April;7(2)153-65.
- Mendez-Sanchez N , Martinez M , Gonzalez V , Roldan-Valadez E , Flores MA , Uribe M . Zinc sulfate inhibits the enterohepatic cycling of unconjugated bilirubin in subjects with Gilbert's syndrome . Ann Hepatol 2002;1:40-3.

- Mendez-Sanchez N , Roldan-Valadez E , Flores MA , Cardenas-Vazquez R , Uribe M . Zinc salts precipitate unconjugated bilirubin in vitro and inhibit enterohepatic cycling of bilirubin in hamsters . Eur J Clin Invest 2001;31:773-80.
- Moyer VA , Ahn C , Sneed S . Accuracy of clinical judgment in neonatal jaundice . Arch Pediatr Adolesc Med 2000;154:391-4.
- MrKaić LJ , Kamenov B , Najman S , Dimitrović H , Mitrović V , Maglajlić S. Neonatal immune system changes by phototherapy . Srp Arh Celok Lek 1994;122 Suppl. 1:36-7.
- Munro R , Capell HA . Penicillamine . Br J Rheumatol 1997;36:104-9.
- Nakamura K, Honda K, Mizutani T, Akiho H, Harada N. Novel strategies for the treatment of inflammatory bowel disease: Selective inhibition of cytokines and adhesion molecules. World J Gastroenterol. 2006;12:4628–35
- Newman TB , Xiong B Gonzales VM , et al . Prediction and prevention of extreme hyperbilirubinemia in a mature health maintenance organization .Arch Pediatr Adolesc Med 2000;154:1140-7.
- Nichols HJ , Christenson RH , Clarke W , Gronowski A , Hammett-Stabler CA ,Jacobs E , et al . Executive summary . The

National Academy of Clinical Biochemistry Laboratory Medicine Practice Guideline: evidence –based practice for point of care testing . Clin Chem Acta 2007;379:14-28.

- Nishioka T , Hafkamp AM , Havinga R , Lierop PP , Velvis H , Verkade HJ . Orlistat treatment increases fecal bilirubin excretion and decreases plasma bilirubin concentration in hyperbilirubinemic Gunn rats . J Pediatr 2003;143:327-34.
- O'CONNOR TM . et al 2000. The stress response and the hypothalamic-pituitary adrenal axis : from molecule to melancholia . Oxford Journals , Medicine , QJM ; 93:323-333.
- Ostrow JD . Regulation by bile salts of the excretion of conjugated and unconjugated bilirubin in bile . In :Fromm H Ed , Proceedings of the Falk symposium No. 84. Lancaster , UK :Kluwer Academic Publishers 1996:pp. 78-94.
- Ostrow JD .Unconjugated bilirubin and cholesterol gallstone formation. Hepatology 1990; 12:219S-24S.
- Park RM , Bena JF , Stayner LT , Smith RJ , Gibb HJ , Lees PS . Hexavalent chromium and lung cancer in the chromate industry :a quantitative risk assessment . Risk Anal 2004;24:1099-108.
- Pashapour N , Nikibakhsh AA, Golmohammadlou S .Urinary tract infection in term neonateswith prolonged jaundice . Urol J .

2007Spring;4(2):91-4.

- Pfeffer K . Biological functions of tumour necrosis factor , cytokines and their receptors . Cytokines and growth factors . Reviews , Journal of Metabolism , vol 14 , issue 3 , 185-191.(june 2003)
- Perlow JH , Wigton T , Hart J , et al . Birth trauma : a five-year review of incidence and associated perinatal factors . J Reprod Med 1996;41(10):754-60.
- Porter LM , Dennis BL . Hyperbilirubinemia in the term newborn . Am Fam Physician 2002;65(4):599-605.
- Procianoy RS , Silveira RC , Fonseca LT , Heidmann LA , Neto EC . The influence of phototherapy on serum cytokine concentrations in newborn infants . Am J Perinatol 2010 May ;27(5):375-9.
- Randeberg LL , Roll EB , Nilsen LTN , Christensen T , Svaasand LO . In vivo spectroscopy of jaundiced newborn skin reveals more than a bilirubin index . Acta Pediatr 2005 ; 94:65-71.
- Randev S and Grover N . Predicting neonatal hyperbilirubinemia using first day serum bilirubin levels . Indian J Pediatr 2010 Feb;77(2):1447-50.
- Rtnavel N , Ives NK . Investigation of prolonged neonatal

- jaundice . Curr Pediatr 2005 ;15:85-91.
- Rege RV , Webster CC and Ostrow JD . Interactions of unconjugated bilirubin with bile salts . The Journal of Lipid Research . 1988 Oct.(29),1289-1296.
 - Rieusset J , Bouzakri K , Chevillotte E , Ricard N , Jacquet D , Bastard JP , Laville M and Vidal H .2004. Suppressor of cytokine signaling 3 expression and insulin resistance in skeletal muscle of obese type 2 diabetic patients . Diabetes 53,2232-2241.
 - Rink, L., Kirchner, H. 1996. Recent Progress in the Tumor Necrosis Factor-Alpha Field. International Archives of Allergy and Immunology. 111 (3) : 199-209.
 - Rodri'guez-Capote K , Kim K , Paes B , Turner D , Grey V .Clinical implication of the difference between transcutaneous bilirubinometry and total serum bilirubin for the classification of newborns at risk of hyperbilirubinemia . Clin Biochem 2009;42:176-9.
 - Romagnoli C , Zecca E , Papacci P , Vento G , Girlando P , Latella C . Which phototherapy system is most effective in lowering serum bilirubin in very preterm infants ? Fetal Diagn Ther. 2006;21(2);204-9.
 - Rubaltelli FF , Gourley GR , Loskamp N , Modi N , Roth-Kleiner

- AM , Sender A , Vert P . Transcutaneous blilrubin measurement : a multicenter evaluation of a new device . *Pediatrics* 2001;107:1264-7.
- Sakha K , Sultani H . Effect of phototherapy on platelets and white blood cell count in term infants . *Medical Journal of Tabriz University of Medical Sciences* . Vol 28 No. 3 Aut. 2006
 - Sarici, S.U., Alpaya, F., Unay, B-, Ozean, O. and Gokcay,E. (2000): Double versus single phototherapy in term newborns with significant hyperbilirubinemia. *J. Trop. Pediatr.*Feb.46 (1): 36-9.
 - Scheller J , Chalaris A , Scchmidt-Arras D , Rose-John S . The pro- and anti-inflammatory properties of the cytokine interleukin-6 . *Biochem Biophys Acta* 2011 Feb 4 . [Epub ahead of print]
 - Schwartz T and Luger TA :Effect of UV irradiation on epidermal cell cytokine production . *J Photochem Photobiol B*(1989);4,1-143.
 - Shapiro SM . Bilirubin toxicity in the developing nervous system. *PEDIATR Neurol* 2003;29(5):410-21.
 - Shaw N.(2003) . Assessment and management of the hematologic system . In C. Kenner and J.Wright Lott (Eds.) , *Comprehensive neonatal nursing , a physiologic perspective* (3rd ed. Pp. 580-620). Philadelphia :Elsevier Saunders.

- Shnitkind E, Yaping E, Geen S, Shalita AR, Lee WL. Anti-inflammatory properties of narrow-band blue light. *J Drugs Dermatol* 2006;5:605–610 .
- Sirota L, Straussberg R , GURARY n , Aloni D , Bessler H . Phototherapy for neonatal hyperbilirubinemia affects cytokine production by peripheral blood mononuclear cells . *Eur J Pediatr* 1999;158:910-913.
- Smitherman H , Stark AR , Bhutani VK . Early recognition of neonatal hyperbilirubinemia and its emergent management . *Semin Fetal Neonatal Med* 2006 Jun ;11(3):214-24.
- Soldin SJ , Brugnara C , Wong EC . *Pediatric Reference Ranges* .4th edn. AACCC Press , Washington , USA , 2003:216-7.
- Steensberg A , Van Hall g , Osada T , Sacchetti M , Saltin B and Pedersen BK . 2003 . Production of interleukin-6 in contracting human skeletal muscles can account for the exercise-induced increase in plasma interleukin-6 . *J Physiol (Lond)*529,237-242.
- Stevenson DK , Rodgers PA , Verman HJ . The use of metalloporphyrins for the chemoprevention of neonatal jaundice . *Am J Dis Child* 1989 ;143:353-356.
- Stokowski LA, Short M, Witt CL (2006): Fundamentals of phototherapy for neonatal jaundice. *Adv neonat care*; 6 (6): 303-12.

- Strauss KA , Robinson DL , Verman HJ , et al . Management of hyperbilirubinemia and prevention of kernicterus in 20 patients with Crigler-Najjar disease . Eur J Pediatr 2006;165(5);306-19.
- Suchy FJ .2004 . Neonatal cholestasis . Pediatrics in Review , 25,388-396.
- Tan KL , Jacob E and Karim SM . Cholestyramine and phototherapy for neonatal jaundice . TheJournal of Pediatrics 1984 Feb. 104,issue 2;284-286.
- Tan KL , Dong F . Transcutaneous bilirubinometry during and after phototherapy . Acta Pediatr 2003;92:327-31.
- Taniguchi CM , Emanuelli B and Kahn CR .2006 . Critical nodes in signaling pathways :insights into insulin action . Nat Rev Mol Cell Biol 7 , 85-96.
- Thaithumyanon P, Visutiratmanee C. (2002): Double phototherapy in jaundiced term infants with hemolysis. -J Med Assoc Thai.Nov; 85(11):1176-81.
- Thomas JT , Muller P , Wilkinson C . Antenatal phenobarbital for reducing neonatal jaundice after red cell isoimmunization . Cochrane Database Syst Rev 2007 :CD005541.
- Tiker F , Gurakan B , Tarcan A , Kinik S . Congenital hypothyroidism and early severe hyperbilirubinemia . Clin

Pediatr (Phila). 2003 May ;42(4):365-6.

- Tiribelli C , Ostrow JD . Intestinal flora and bilirubin . J Hepatol2005 ;42:170-2.
- Tracey, K., Cerami, A. 1990. Metabolic Response to Cachectin/TNF. Annals of the New York Academy of Sciences : Vol. 587. Eds. Boland, B, Cullinan, J., Kimball, C. New York : New York Academy of Sciences. 325-330.
- Truman P , 2006 . Jaundice in the preterm infant . Pediatric Nursing , 18(5), 20-22.
- Urbanski A, Schwarz T, Neuner P, et al. Ultraviolet light induces increased circulating interleukin-6 in humans. J Invest Dermatol 1990;94:808–811
- Van der Poll T, Keogh CV, Guirao X, Buurman WA, Kopf M, Lowry SF (1997). "Interleukin-6 gene-deficient mice show impaired defense against pneumococcal pneumonia". *J Infect Dis* **176** (2): 439–44.
- Van der Veere CN , Jansen PL , Sinaasappel M ,Van Der Meer R , Van der Sijs H , Rammeloo , et al . Oral calcium phosphate :a new therapy Crigler-Najjar disease ? Gastroenterology 1997;112:455-62.
- Van der Veere CN , Schoemaker B , Bakker C , Van Der Meer R , Jansen PL , Elferink RP . Influence of dietary calcium

- phosphate on the disposition of bilirubin in rats with unconjugated hyperbilirubinemia . *Hepatology* 1996;24:620-6.
- Van der Veere CN , Schoemaker B , Van Der MEER r , Groen AK , Jansen PL , Oude Elferink RP . Rapid association of unconjugated bilirubin with amorphous calcium phosphate . *J Lipid Res* 1995 ; 36:1697-702.
 - Venigalla S and Gourley G . 2004 . Neonatal cholestasi . *Seminars in Perinatology* , 28,348-355.
 - Verkade HJ . A novel hypothesis on the pathophysiology of neonatal jaundice . *J Pediatr* 2002;141:594-5.
 - Vitek L , Kotal P , Jirsa M , Malina J , Cerna M , Chmelar D ,et al . Intestinal colonization leading to fecal urobilinoid excretion may play a role in the pathogenesis of neonatal jaundice . *J Pediatr Gastroenterol Nutr*2000;30:294-8.
 - Volpe J .Bilirubin and brain injury . *Neurology of the newborn* . 4th edition . Philadelphia :WB Saunders , 2001. p .521-46.
 - Verman H , Wong R , and Stevenson D . 2004 . Phototherapy :Current methods and future directions . *Seminars in Perinatology* , 28 , 326-332.
 - Wagner M , Halilbasic E , Marschall HU , Zollner G , Fickert P , Langner C , et al . CAR and PXR agonists stimulate hepatic bile

- acid and bilirubin detoxification and elimination pathways in mice . *Hepatology* 2005 ; 42 :420-30.
- Wajant H , Pfizenmaier K , Scheurich P . Tumour necrosis factor signaling . *Cell Death Differ* 2003 ;10 (1):45-65.
 - Waldron P and DeAlarcon P . ABO hemolytic disease of the newborn *Am J perinatol* . 1999,16(8):391-8.
 - Waliullah SM , Islam MN , Siddika M , Hossain MA , Jahan I , Chowdhury AK . Evaluation of simple hematological screen for early diagnosis of neonatal sepsis . *Mymensingh Med J* . 2010 Jan ; 19 (1):41-7.
 - Wang X, Lin Y. Tumour necrosis factor and cancer , buddies or foes ? *Acta Pharmacol Sin* . 2008Nov ;29(11):1275-88.
 - Watchko J 2006 . Neonatal hyperbilirubinemia –What are the risks. *The New England Journal of Medicine* , 354;1947-1949.
 - Wong RJ , DeSandre GH , Sibley E and Stevenson DK . 2006 . Neonatal jaundice and liver disease . In R. j. Martin , A . A. Fanaroff and M. C. Walsh (Eds.) , *Neonatal –perinatal medicine :Diseases of the fetus and infant* (8th ed., pp.1450).Philadelphia :Mosby.

- Wong V, Chen WX, Wong KY (2006): Short- and Long-Term Outcome of Severe Neonatal Nonhemolytic Hyperbilirubinemia. *J Child Neurol*; 21(4):309-15.
- Yang J , Lin Y , Guo Z , Cheng J , Huang J , Deng L , et al . The essential role of MEKK3 in TNF-induced NF-kappaB activation . *Nat Immunol* 2001;2(7):620-4.
- Zandro V , Golin R , Amato M , Trevisanuto D , Favaro F , Faggian D , Plebani M . Cytokines in human colostrums and neonatal jaundice . *Pediatr Res* . 2007 Aug;62(2):191-4.
- Zecca E, Barone G, De Luca D, Marra R, Tiberi E, Romagnoli C. (2009) Skin bilirubin measurement during phototherapy in preterm and term newborn infants. - *Early Hum Dev*. May 28.
- Zucker SD , Goessling W , Hoppin AG . Unconjugated bilirubin exhibits spontaneous diffusion through model lipid bilayers and native hepatocyte membrane . *J Biol Chem* 1999;274:10852-62.