

References

- ACOG Committee Opinion (1998):** Inappropriate uses of the terms fetal distress and birth asphyxia. *Int J Gynaecol Obstetric* 61:309-10.
- Adkins RB, Chapman WC, and Reddy VS. (2000):** Embryology, anatomy and surgical applications of the extrahepatic biliary system. *Surgical Clinics of North America* 80(1): 363–379.
- American Academy of Pediatrics, Practice Parameter (1994):** management of hyperbilirubinemia in the healthy term newborn. *Pediatrics*; 94:558–62.
- American College of Obstetricians and Gynecologists (1995):** Umbilical artery blood acid-base analysis Washington: The college: 1-5. Technical Bulletin No 216.
- Andres RL, Saade G, Gilstrap LC, Wilkins I, Witlin A, Zlatnik F and Hankins GV (1999):** Association between umbilical blood gas parameters and neonatal morbidity and death in neonates with pathologic fetal acidemia. *Am J Obstet Gynecol*; 181: 867-71.
- Aslan S, Meral M, Akgun M, Acemoglu H, Ucar EY, Gorguner M, Mirici A. (2007):** Liver dysfunction in patients with acute pulmonary embolism. *Hepatol Res.*; 37(3):205-13.

- Azzopardi DV, Strohm B, Edwards AD. (2009):** Moderate hypothermia to treat perinatal asphyxial encephalopathy. *N Engl J Med.*; 361(14):1349-58.
- Barnett, Christopher P, Perlman, Max (1997):** Clinicopathological correlations in post-asphyxial organ damage: A donor organ perspective. *Pediatrics*; 99:797-799.
- Beath SV. (2003):** Hepatic function and physiology in the newborn, Volume 8, Issue 5, 337-346.
- Beckett GJ, Hussey AJ, Laing I, Howie F, Hayes JD, Strange RC, et al (1989):** Measurements of glutathione S transferase B_j in plasma after birth asphyxia: An early indication of hepatocellular damage. *Clin Chem*; 35: 995-999.
- Behrman RE, Kliegman RM, Jenson HB. (2004):** Nelson Textbook of Pediatrics, 17th ed. Philadelphia: Elsevier, 566-567.
- Bemmel LA, Hack WW, Seldenrijk CA, Kneepkens CM (1992):** Extensive hepatic necrosis in a premature infant. *J Pediatr Gastroenterol Nutr*; 14:228-31.
- Bernstein D. (2004):** The fetal-to-neonatal circulatory transition. In: Behrman RE, Kliegman RM, Jenson HB, editors. Nelson textbook of pediatrics. 17th ed. Philadelphia: W.B. Saunders; pp 1479- 1481.

- Bezek Š and Juránek I. (2000):** Effects of stobadine on hypoxia and hypoxia/reoxygenation injury in isolated hepatocytes from fasted rats. *Biologia, Bratislava* 55 (Suppl. 8): 15–18.
- Bhat MA, Shah ZA, Makhdoomi MS, Mufti MH. (2006):** Theophylline for renal function in term neonates with perinatal asphyxia: a randomized, placebo-controlled trial. *J. Pediatr*; 149:180-184.
- Biggs R and McFarlane R.G. (1962):** Human blood coagulation and its disorders. Black well Scientific Publications, Oxford.
- Birrer R, Takuda Y and Takara T (2007):** Hypoxic Hepatopathy: Pathophysiology and prognosis. *The Japanese society of internal medicine*; 46: 1063-1070.
- Block B.S.; Schlafer D.H. and Wentworth R.A. (2000):** Intrauterine asphyxia and break-down of physiologic circulatory compensation in fetal sheep. *Am. J. Obstet. Gynecol.*, 162: 1325-1331.
- Boylan GB, Rennie JM, Chorley G. (2004):** Second-line anticonvulsant treatment of neonatal seizures: a video-EEG monitoring study, *Neurology*. 62(3):486-8.
- Bracci R, Perrone S, Buonocore G. (2002):** Oxidant injury in neonatal erythrocytes during the perinatal period. *Acta Pediatr Suppl*. 91(438):130-4.

- Brucknerova I, Benedekova M, Holomňb K, Bielikovb E, Kostrovb A, Ujhzyc E, Dubovickc M (2005):** Delivery as “physiological stress” and its influence on liver enzymatic systems in asphyxial newborns. Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub., 149(2):409–11.
- Brucknerova I, Benedekova M, Pechan I, Frankova E, Ujhazy E & Dubovicky M (2005):** Influence of oxidative stress on liver cell function on 1st and 5th day of life in asphyxial newborns Biologia, Bratislava, 60/suppl.17:25-28.
- Brucknerová, I, and Benedeková, M (2000):** Asphyxia of the newborn the ever topical problem. Biologia, Bratislava 55 (Suppl. 8):23–26.
- Bucking, A.D.; White, S.E.; Homan, J. and Richardson, B.S. (1992):** Oxygen consumption is maintained in fetal sheep during prolonged hypoxemia. Journal of Developmenta; Physiology, 17:169-174.
- Burtis A (1999):** Teitz Textbook of Clinical Chemistry, 3rd ed.
- Cabrera-Abreu JC, Green A. (2002):** Gamma-glutamyltransferase: value of its measurement in paediatrics. Ann Clin Biochem. 39(Pt 1):22-5.

- Cai Y, Xie ZD, Chen PY, Ding YL. (2006):** [Effects of birth asphyxia or intrauterine distress on renal functions in newborns in the first week of life] *Zhongguo Dang Dai Er Ke Za Zhi.* 8(3):184-6.
- Castrom A, Fassett M.J., Reynolds T.B, Shaw K, Goodwin T.M (1999):** Reversible peripartum liver failure. *Am J Obstet gynecol.* Vol.181, n 2, pp. 235-331(25 ref.), pp. 389-395.
- Castro Conde JR, Hernandez Borges AA. (1999):** *Midazolam in neonatal seizures with no response to phenobarbital. Neurology; 64(5):876-9.*
- Ceppa EP, Fuh KC, Bulkley GB. (2003):** Mesenteric hemodynamic response to circulatory shock. *Curr Opin Crit Care.*; 9:127-132.
- Chalak L, and Kaiser J. (2007):** Neonatal guideline hypoxic-ischemic encephalopathy (HIE). *J Ark Med Soc.* Oct;104(4):87-9.
- Chardot C, et al. (2001):** Is the Kasai operation still indicated in children older than 3 months diagnosed with biliary atresia? *Journal of Pediatrics* 138(2): 224–228.
- Clinton Miller M. Ph.D, Rebecca G, Knapp (1992):** Clinical epidemiology and biostatistics, published by Williams & Wilkins, Maryland: 3rd edition.

- Colman R.W, Hirsh J, Marder V.J, Salzman E.W (1994):**
Hemostasis and thrombosis – Basic principles and clinical practice. J. B. Lippincot. Phonology 9-1, 1-44.
- De Jonghe B, Cheval C, Misset B, et al. (1999):** Relationship between blood lactate and early hepatic dysfunction in acute circulatory failure. J Crit Care.; 14:7-11.
- Deepak V. Gopal, MD, FRCP(C); Hugo R. Rosen, MD, (2000):**
Abnormal findings on liver function tests. vol 107 / no 2 postgraduate medicines.
- Diehl-Jones WL, and Askin DF. (2003):** The neonatal liver. Part 2: Assessment and diagnosis of liver dysfunction. Neonatal Network 22(2): 7–15.
- Diehl-Jones WL, and Askin DF. (2003):** The neonatal liver. Part3: Pathophysiology of liver dysfunction. Neonatal Network 22(3): 5–15.
- Diehl-Jones WL, Askin DF. (2002):** The neonatal liver, Part 1: embryology, anatomy, and physiology. Neonatal Netw. 21(2):5-12.

- Douglas S. Lee; Jane C. Evans; Sander J. Robins; Peter W. Wilson; Irene Albano; Caroline S. Fox; Thomas J. Wang; Emelia J. Benjamin; Ralph B. D'Agostino; Ramachandran S. Vasan (2007):** Gamma Glutamyl Transferase and Metabolic Syndrome, Cardiovascular Disease, and Mortality Risk. *Arteriosclerosis, Thrombosis, and Vascular Biology*; 27:127.
- Doumas BT, Peters T. (1997):** Serum and urine albumin: a progress report on their measurement and clinical significance. *Clin Chim Acta*; 258(1):3-20.
- Dufour DR, Lott JA, Nolte FS, Gretch DR, Koff RS, Seeff LB. (2000):** Diagnosis and monitoring of hepatic injury. I. Performance characteristics of laboratory tests. *Clin Chem*;46(12):2027-49.
- Dufour DR, Lott JA, Nolte FS, Gretch DR, Koff RS, Seeff LB. (2000):** Diagnosis and monitoring of hepatic injury. II. Recommendations for use of laboratory tests in screening, diagnosis, and monitoring. *Clin Chem*;46(12):2050-68.
- Dunn GD, Hayes P, Breen KJ, Schenker S. (1973):** The liver in congestive heart failure: A review. *Am J Med Sci* 265: 174-189.
- Ebbesen F and Knudsen A. (1992):** The possible risk of bilirubin encephalopathy as predicted by plasma parameters in neonates with previous severe asphyxia. *Eur J Pediatr*. 151(12):910-2.

- Ebert EC and Ellen C. (2006):** Hypoxic liver injury. *Mayo Clin Proc.* 81(9):1232-1236.
- Edwards AD, Azzopardi DV. (2006):** Therapeutic hypothermia following perinatal asphyxia. *Arch Dis Child Fetal Neonatal ed.*; 91:F127-F131.
- Eicher DJ, Wagner CL, Katikaneni LP. (2006):** Moderate hypothermia in neonatal encephalopathy: efficacy outcomes. *Pediatr Neurol.*; 34(2):169.
- Evans D.J. and Levene M.I. (1999):** Hypoxic ischemic injury. In *Text book of neonatology*. Rennie J.M.; Robertson NRC (eds). 3rd edition, Churchill Livingstone, London pp.,1231-1251.
- Evans DJ, Levene MI, Tsakmakis M (2007):** Anticonvulsants for preventing mortality and morbidity in full term newborns with perinatal asphyxia. *Cochrane Database Syst Rev.*;CD001240.
- Fairchild K, Sokora D, Scott J, Zanelli S. Therapeutic hypothermia on neonatal transport (2009):** 4-year experience in a single NICU. *Journal of Perinatology*.
- Ferenci P, Caca K, Loudianos G, Mieli-Vergani G, Tanner S, Sternlieb I, et al. (2003):** Diagnosis and phenotypic classification of Wilson disease. *Liver Int*; 23 (3):139-42.
- Ferenčík, M. and Škárka, B. (2000):** Biochemistry. Slovak Academic Press, Bratislava, 924 pp.

- Flora KD, Keeffe EB. (1990):** Evaluation of mildly abnormal liver tests in asymptomatic patients. *J Insur Med*;22:264-7.
- Fogden E, Neuberger J. (2003):** Alternative medicines and the liver. *Liver Int*; 23(4):213-20.
- Frank J. Zlatnik, Herman A. Hein, Kathy Brogden, (2005):** Multiorgan System Failure from Perinatal Asphyxia. the Iowa Perinatal Letter vol. XXVI, no. 1, 1-4.
- Fuchs S, Bogomolski-Yahalom V, Paltiel O, Ackerman Z. (1998):** Ischemic hepatitis: clinical and laboratory observations of 34 patients. *J Clin Gastroenterol*; 26 (3):183-6.
- Garzoli E, Monteleone M, Migliori C, Abrami F. (2007):** [Umbilical acid-base status of term infants: correlation with delivery mode] *Pediatr Med Chir.* 29(4):202-5.
- Geiger K., Georgieff M. and Lutz H. (2005):** Side effects of positive pressure ventilation on hepatic function and splanchnic circulation *Journal of Clinical Monitoring and Computing* Volume 3, 103-106.
- Gholson CF, Morgan K, Catinis G, Favrot D, Taylor B, Gonzalez E, et al. (1997):** Chronic hepatitis C with normal aminotransferase levels: a clinical histologic study. *Am J Gastroenterol*;92(10):1788-92.
- Giannini EG, Testa R, Savarino V. (2005):** liver enzyme alteration: a guide for clinicians; *CMAJ.* 172(3):367-79.

- Gitlin N, Serio KM. (1992):** Ischemic hepatitis: widening horizons. *Am J Gastroenterol*; 87:831-836.
- Glass HC, and Ferriero DM. (2007):** Treatment of hypoxic-ischemic encephalopathy in newborns. *Curr Treat Options Neurol.* 9(6):414-23.
- Godambe S.V, Udani R.H, Sushma Malik and Kanadalkar B.M (1997):** Hepatic profile in asphyxia neonatorum. *Indian Pediatrics*, Vol 34, 927-30.
- Gopal DV, Rosen HR. (2000):** Abnormal findings on liver function tests. *Postgrad Med*; 107(2):100-14.
- Green K.R. Rosen K.G. (1995):** intrapartum asphyxia In: *Fetal and neonatal Neurology and Neurosurgery.* Levene MI and Liford RJ (eds.) 2nd edition., Churchill Livingstone, London pp., 389-404.
- Grether, J.K, Sanjay, Aurora., Evan, Y. and Snyder (2004):** perinatal factors and cerebral palsy in very low birth weight infants. *J Pediatr.*, 128(3):-407.
- Guibauld L, et al. (1998):** MR cholangiography in neonates and infants: Feasibility and preliminary applications. *American Journal of Radiology* 170: 27–31.
- Gunn AJ & Bennet L (2008):** Brain cooling in the preterm. *Clinics in Perinatology.*

- Guyton AC. (2000):** Textbook of Medical Physiology, 10th ed. Philadelphia: WB Saunders, 1064.
- Hall RT, Hall FK, Daily DK (1998):** High-dose phenobarbital therapy in term newborn infants with severe perinatal asphyxia: a randomized, prospective study with three-year follow-up. J Pediatr. 132(2):345-8.
- Hanif G, Zaman S, and Hamid T. (2001):** Analysis of liver biopsies: A histopathological study. Journal of the College of Physicians and Surgeons Pakistan 11(8): 1–5.
- Hankins GD, Koen S, Gei AF, Lopez SM, Van Hook JW, Anderson GD (2002):** Neonatal organ system injury in acute birth asphyxia sufficient to result in neonatal encephalopathy. Obstet Gynecol; 99:688-91.
- Harrison H Jr, and Coen RW. (1996):** Bilirubinemia in asphyxiated term infants. A clinical observation. Alaska Med. 38(3):98-100.
- Henrion J, (2007):** Hypoxic hepatitis: the point of view of the clinician. Acta Gastroenterol Belg. 70(2):214-6.
- Henrion J, Descamps O, Luwaert R, Schapira M, Parfonry A, Heller F. (1994):** Hypoxic hepatitis in patients with cardiac failure: incidence in a coronary care unit and measurement of hepatic blood flow. J Hepatol.;21:696-703.

- Henrion J, Minette P, Colin L, Schapira M, Delannoy A, Heller FR:**
(1999): Hypoxic hepatitis caused by acute exacerbation of chronic respiratory failure: a case-controlled, hemodynamic study of 17 consecutive cases. *Hepatology*; 29:427-433.
- Henrion J, Schapira M, Luwaert R, Colin L, Delannoy A, Heller FR.**
(2003): Hypoxic hepatitis: clinical and hemodynamic study in 142 consecutive cases. *Medicine (Baltimore)*.;82:392-406.
- Hermansen MC (2003):** The acidosis paradox: asphyxial brain injury without coincident acidemia. *Dev Med Child Neurol*; 45:353– 6.
- Hickman PE, Potter JM. (1990):** Mortality associated with ischaemic hepatitis. *Aust N Z J Med.*; 20:32-34.
- Holmes GL. (2005):** Effects of seizures on brain development: lessons from the laboratory. *Pediatr Neurol.* Jul 2005; 33(1):1-11.
- Hull R, Hirsh H, Jay R. (1982):** Different intensities of oral anticoagulant therapy in the treatment of proximal vein thrombosis. *N. Engl. J. Med*; 307: 1676-81.
- Jacinto SJ, Gieron-Korthals M, Ferreira J (2001):** Predicting outcome in hypoxic-ischemic brain injury. *Ped Clinics N Am* 48(3):647-660.

- Jacobs S, Hunt R, Tarnow-Mordi W, Inder T, Davis P (2001):** Cooling for newborns with hypoxic ischaemic encephalopathy. Cochrane Database Syst Rev4:CD003311.
- Jacquemin E, Saliba E, Blond MH, Bertrand C, Vaillet W. (1992):** Liver dysfunction and acute cardiocirculatory failure in children. Eur J Pediatr 151 (10): 731-734.
- Jones KM, Molyneux E, Philips B, Wieteska S (2001):** Resuscitation at birth. Advanced Pediatric Life Support, the practical approach 3rd edition; 58-64.
- Josine S. Quaedackers Vincent Roelfsema, Erik Heineman, Alistair J. Ginn and Laura Bennet (2004):** The role of sympathetic nervous system in postasphyxial intestinal hypoperfusion in pre-term sheep fetus J Physiol 557. 3pp 1033-1044.
- Kaplan A (1984):** Lactate dehydrogenase. Clin Chem, The C.V. Mosby Co. Toronto. Princeton ; 1124-117 ,438.
- Kahn JA, Haker KM, Petrovic LM, Arnaout WS, Koobatian G, Fong TL. (2000):** Radiographic findings of ischemic hepatitis in a cirrhotic patient. J Comput Assist Tomogr.; 24:887-889.
- Karlsson M, Blennow M, Nemeth A, Winbladh B. (2006):** Dynamics of hepatic enzyme activity following birth asphyxia. Acta Paediatrica; 95: 1405-1411.

- Kaufman SS. (1992):** Organogenesis and histological development of the liver. In *Fetal and Neonatal Physiology*, Polin R, and Fox W, eds. Philadelphia: WB Saunders, 1085–1094.
- Kecskes Z, Healy G, Jensen A. (2005):** Fluid restriction for term infants with hypoxic-ischaemic encephalopathy following perinatal asphyxia. *Cochrane Database Syst*; CD004337.
- Keeffe EB. (1994):** Diagnostic approach to mild elevation of liver enzyme levels. *Gastrointest Dis Today*; 3:1-9.
- Koc E, Arsan S, Ozcan H, Zenciroglu A, Erdem I, Ertogan F. (1998):** Department of Pediatrics, Gazi University school of Medicine, Ankara, Turkey. *Indian J Pediatr*. 65(2):297-302.
- Konen O, et al. (2000):** Progressive liver calcifications in neonatal coxsackie virus infection. *Pediatric Radiology* 30(5): 343–345.
- Koos, B. and Doany, W. (1991):** Role of plasma adenosine in breathing responses to hypoxia in fetal sheep. *J. Devol. Physiol*. 16-81.
- Korthals MG, and Colon J (2005):** Hypoxic-ischemic encephalopathy in infants: new challenges. *Fetal and Pediatric Pathology*, 24:105-120.

- Lackman GM, Tollner U, Mader R. (1993):** serum enzyme activities in full term asphyxiated and healthy newborns: enzyme kinetics during the first 144 hours of life. *Enzyme Protein.*; 47(3):160-72.
- Lackman, G.M. and Tollneru. (1995):** The predictive value of elevation in specific serum enzymes for subsequent development of hypoxic-ischemic encephalopathy or intraventricular hemorrhage in fullyterm and premature asphyxiated newborns. *Neuropediatrics* 4: 192–198.
- Lackman, GM. (1996):** Influence of neonatal idiopathic res-piratory distress syndrome on serum enzyme activities in premature healthy and asphyxiated newborns. *Am. J. Perinatol.* 6: 329–334.
- Laptook A, Tyson J, Shankaran S. (2008):** Elevated temperature after hypoxic-ischemic encephalopathy: risk factor for adverse outcomes. *Pediatrics.* 122(3):491-9.
- Laptook AR. (2009):** Use of therapeutic hypothermia for term infants with hypoxic-ischemic encephalopathy. *Pediatr Clin North Am.*; 56(3):601-16
- Lee WM. (2003):** Drug-induced hepatotoxicity. *N Engl J Med*; 349(5):474-85.
- Legido A, Katsetos CD, Mishra OP, Delivoria-Papadopoulos M (2000):** Perinatal hypoxic ischemic encephalopathy: current and future treatments. *Int Ped* 15(3): 143-151.

- Leuthner SR, and Das UG (2004):** Low Apgar scores and the definition of birth asphyxia. *Pediatr Clin North Am* 51(3):737-745.
- Levene, M. I. (1995):** The asphyxiated newborn infant, Levene, M.I. Lilford R.J., Bennett, M.J. and Punt: fetal and neonatal neurology and neurosurgery. 2nd edition: 389-625.
- Lin, H. C.; Su, B.H.; Lin, T.W.; Tsai, C.H. (2004):** Risk factors of mortality in meconium aspiration syndrome; *acta paediatr. Tawvion* 45(1):30-4.0.
- Littleford, J (2004):** Effects on the fetus and newborn of maternal analgesia and anesthesia: a review. *Canadian Journal of Anesthesia* 51:586-609.
- Low J.A., Pickersgill., Derrick E.J., Mbweza E., Yuan S.Z., Runold M. (2001):** The prediction and prevention of intrapartum fetal asphyxia in term pregnancies. *Am J Obstet Gynecol.* 184(4):724-30.
- Maggiore G, Bernard O, Hadchouel M, et al. (1991):** Diagnostic value of serum gamma-glutamyl transpeptidase activity in liver diseases in children. *J Pediatr Gastroenterol Nutr*; 12:21-26.
- Majeed R, Memon Y, Majeed F, Shaikh NP, Rajar U DM. (2007):** Risk factors of birth asphyxia. *J Ayub Med Coll Abbottabad* 19(3) 67-71.

- Martin P, and Friedman LS. (1998):** Assessment of liver function and diagnostic studies. In: Friedman LS, Keefe EB, eds. Handbook of liver disease. Philadelphia: Churchill Livingstone:1-14.
- Martinez-Burnes J, Lopez A, Horney B, Mackenzie A, and Brimacombe M (2001) :** Cytosolic and biochemical changes associated with inoculation of amniotic fluid and meconium into lungs of neonatal rats. Am J Vet Res; 62(10) : 1636-41.
- Mattingly JE, D'Alessio J, Ramanathan (2003):** Effects of obstetric analgesics and anesthetics on the neonate: a review. Paediatr Drugs.; 5(9):615-27.
- Mofrad P, Contos MJ, Haque M, Sargeant C, Fisher RA, Luketic VA, et al. (2003):** Clinical and histologic spectrum of nonalcoholic fatty liver disease associated with normal ALT values. Hepatology; 37(6):1286-92.
- Moseley RH. (1996):** Evaluation of abnormal liver function tests. Med Clin North Am; 80(5):887-906.
- Mueller MD, Brühwiler H, Schüpfer GK, and Lüscher KP (1997):** Higher rate of fetal acidemia after regional anesthesia for elective cesarean delivery. Obstet Gynecol; 90: 131-4.
- Nabieva TN. (2007):** Physical and neurological state of the newborn. Usp Fiziol Nauk. 38(4):73-9.

- Narayanan Menon KV, Shah V, Kamath PS. (2004):** The Budd-Chiari syndrome. *N Engl J Med.*; 350:578-585.
- Navarová, J., Seemannová, Z., Ujházy, E., Sotníková, R., Dubovický, M., Muchová, S. and Horáková, K. (2000):** Biochemical variables of oxidative cell and tissue damage induced by phenytoin. *Biologia, Bratislava* 55 (Suppl. 8): 81–85.
- Oddone M, et al. (1999):** Diagnosis of neonatal hemochromatosis with MR imaging and duplex Doppler sonography. *European Radiology* 9(9): 1882–1885.
- Pálsdóttir K, Thórkelsson T, Hardardóttir H, Dagbjartsson A (2007):** [Birth asphyxia, neonatal risk factors for hypoxic ischemic encephalopathy] *Laeknabladid.* 93(10):669-73.
- Pariente D. (2001):** Sonography of the pediatric abdomen: Liver and biliary tract. *Journal of Radiology* 82(6 part 2): 741–751.
- Phillips JE and Best MA (2006):** liver function tests. *Medical Encyclopedia* Informations about liver function tests
- Pratt DS, Kaplan MM. (2000):** Evaluation of abnormal liver-enzyme results in asymptomatic patients. *N Engl J Med*; 342(17): 1266-71.
- Racek, J. (1999):** Clinical Biochemistry. Karolinum, Praha, 317 pp.

- Raju TNK, Rosenkrantz T, Windle ML, Pharm D, Carter BS, FAAP, Wagner CL, and Finer NN, (2006):** Hypoxic-Ischemic Encephalopathy. American Academy of Pediatrics, American Association for the History of Medicine, American Osler Society, American Pediatric Society.
- Raman JS, Kochi K, Morimatsu H, Buxton B, Bellomo R. (2002):** Severe ischemic early liver injury after cardiac surgery. *Ann Thorac Surg.*; 74:1601-1606.
- Rashed KA, McNabb WR, Lewis RR. (2002):** Ischaemic hepatitis in the elderly. *Gerontology.*; 48:245-249.
- Reddy S, Dutta S, and Narang A, (2008):** Evaluation of Lactate Dehydrogenase, Creatine Kinase and Hepatic Enzymes for the Retrospective Diagnosis of Perinatal Asphyxia Among Sick Neonates. Vol 45, 17, 144-147.
- Reginald K, Seeto MBBS, Ben Fenn MS, Don C. Rockey, (2000):** Ischemic hepatitis: Clinical presentation and pathogenesis. *Am J Med.*; 109:109-113.
- Reitman S and Frankel S, (1957) :** *Amer. J. Clin. Path.*; 28-56.
- Rennie JM, and Robertson NRC. (2002):** Resuscitation of the newborn. In: Rennie JM, and Robertson NRC (eds.) *Manual of neonatal intensive care* 4th ed., p.68.

- Richardson BS, Patrick JE, Homan J and Carmicheal L (1992):** Electrocorical activity, electroocular activity and breathing movements in fetal sheep with prolonged and graded hypoxemia. *Am J. Obstet Gynecol*; 167:553-558.
- Rivikin MJ and Volpe JJ (1996):** Asphyxia and brain injury. In: *Intensive care of the fetus and neonate*. Spitzer AR(ed), Mosb Y, St. louis; 59: 685-95.
- Roberton NRC (1993):** Resuscitation of the newborn. In: *Manual of neonatal intensive care*. Arnold E (ed), 3rd edition, Little Brown Co, London; 7:49-67.
- Roberts EA, Schilsky ML. (2003):** A practice guideline on Wilson disease. *Hepatology*; 37(6):1475-92.
- Rosen HR, and Keefe EB. (1998):** Laboratory evaluation of the patient with signs and symptoms of liver disease. In: Brandt LJ, ed. *Clinical practice of gastroenterology*. Vol 2. Philadelphia: Churchill Livingstone: 812-20.
- Rosenthal P, and Haight M. (1990):** Aminotransferase as a prognostic index in infants with liver disease. *Clinical Chemistry* 36(2): 346–348.
- Rosenthal P. (1997):** Assessing liver function and hyperbilirubinemia in the newborn. *Clinical Chemistry* 43(1): 228–234.

- Rudolph AM, and Rudolph CD. (1992):** Fetal and postnatal hepatic vasculature and blood flow. In *Fetal and Neonatal Physiology*, Polin R, and Fox W, eds. Philadelphia: WB Saunders, 1095–1102.
- Ruiz- Extremera A, Lopez-Garrido MA, Barranco E, Quintero MD, Oceto-Hita E, Munoz de Rueda P, Gila A, and Salmeron J (2005):** Activity of hepatic enzymes from week sixteen of pregnancy. *Am J Obstet Gynecol*; 193(6) :2010-6.
- Salhab WA, Wyckoff MH, Laptook AR, Perlman JM. (2004):** Initial hypoglycemia and neonatal brain injury in term infants with severe fetal acidemia. *Pediatrics*. 114(2):361-6.
- Sameshima, H.; Ikenoue, T.; Ikeda, T, Kamitomo, M.; Ibaras (2004):** Unselected low risk pregnancies and the effect of continuous intrapartum fetal heart rate monitoring on umbilical blood gases and cerebral palsy *Am J Obstet. Gynecol.*; 190(1):118-123.
- Sangkae C. and Jeffrey M. (2000):** Perinatal hypoxicischemic encephalopathy. *Recent Advances in pediatrics*. 18:33-46.
- Sarnat HB, Sarnat MS (1976):** Neonatal encephalopathy following fetal distress a clinical and electroencephalographic study. *Arch Neurol*; 33: 696-705.

- Schulzke SM, Rao S, Patole SK. (2007):** A systematic review of cooling for neuroprotection in neonates with hypoxic ischemic encephalopathy - are we there yet? BMC Pediatrics. 7:30.
- Seeto RK, Fenn B, Rockey DC. (2000):** Ischemic hepatitis: clinical presentation and pathogenesis. Am J Med; 109(2):109-13.
- Shah P, Riphagen S, Beyene J, Perlman M. (2004):** Multiorgan dysfunction in infants with post-asphyxial hypoxic-ischaemic encephalopathy. Arch Dis Child Fetal Neonatal Ed. 89(2):F152-5.
- Shah PS, Ohlsson A, Perlman M. (2007):** Hypothermia to treat neonatal hypoxic ischemic encephalopathy: systematic review. Arch Pediatr Adolesc Med.;161:951-958.
- Shankaran S. (2009):** Neonatal encephalopathy: treatment with hypothermia. J Neurotrauma.;26(3):437-43.
- Shibayama Y, Hashimoto K, Nakata K. (1992):** Hepatic haemodynamics and microvascular architecture after portal venular embolization in the rat. J Hepatol. 14:94-98.
- Shibayama Y, Urano T, Asaka S, Hashimoto K, Nakata K. (1993):** Pathogenesis of centrilobular necrosis following congestion of the liver. J Gastroenterol Hepatol.; 8:530-534.

- Sindhu S, Ramesh P, Juneja R, Kabra SK (2007):** hepatopulmonary syndrome, an unusual cause of hypoxemia. Indian Journal of Pediatrics. Vol 74, Issue 12, 1127-1129.
- Singer AJ, Carracio TR, Mofenson HC. (1995):** The temporal profile of increased transaminase levels in patients with acetaminophen-induced liver dysfunction. Ann Emerg Med; 26(1):49-53
- Snell RS. (2000):** Clinical Anatomy for Medical Students, 6th ed. Philadelphia: Lippincott Williams & Wilkins, 898.
- Snyder EY and Cloherty JP. (1998):** Perinatal asphyxia. In: Manual of neonatal care. Eds, Cloherty JP and Stark AR (4th ed), Little, Brown Co., Boston, p. 515.
- Snyder EY. and Aurora S. (2004):** Perinatal asphyxia, Cloherty, J.P. Eichenwald E.C. and Stark A.R. Lippincott: Manual of Neonatal Care, 15th ed., Williams and Wilkins., (27): 536-555.
- Stevens JP, Haase E, Churchill T, Bigam DL, Cheung PY (2007):** Resuscitation with 21% or 100% oxygen is equally effective in restoring perfusion and oxygen metabolism in the liver of hypoxic newborn piglets. Shock. 2007 Jun; 27(6):657-62.
- Stills JH. (2004):** perinatal asphyxia In neonatology. Management procedures on call problems, disease, and drugs. Gommda T.; Gunningham, M. Fifth edition. McGraw Hill Co. 73:512.

- Stoll, B.J. and Kliegman, R. M. (2004):** Digestive system disorders, Behrman, R. E.; Kliegman, R. M. and Jenson, H.B.: Nelson Textbook of Pediatrics, 17th edition. Saunders, chapter 91: 588-599.
- Stoll, B.J. and Kliegman, R. M. (2004):** Nervous system disorders, Behrman, R. E.; Kliegman, R. M. and Jenson, H.B.: Nelson Textbook of Pediatrics, 17th edition. Saunders, chapter 88: 561-568.
- Stoll BJ and Kliegman RM, (2000):** The fetus and neonatal infant. In: Nelson Text Book of Pediatrics. Behrman RE, Kliegman RM and Jenson HB(eds); 16th edition, WB Saunders Co., Philadelphia; p: 451.
- Szymankiewicz.; Sanad R., El-Shazly A., and Felifel M., (2005):** Evaluation of cardiac ischemia in the newborn with perinatal asphyxia. Egypt J Ped 14: 307-365.
- Tarcan A, Tiker F, Guvenir H, Gurakan B. (2007):** Hepatic involvement in perinatal asphyxia. J Matrn Fetal Neonatal Med 20(5):407-10.
- Toh V.C. (2000):** Early predictors in adverse outcome in term infant with postasphyxial Hypoxic ischemic encephalopathy Ada Petliuir. 89(3): 343-347.
- Turnage RH, Kadesky KM, Myers SI, Takala J, Wagner GR. (1996):** Hepatic hypoperfusion after intestinal reperfusion. Surgery 119 (2): 151-160.

- Ujházy, E., Dubovický, M., Mach, M., Juránek, I., Navarová, J., Sadloňová, I. and Gajdošík, A. (2000):** Effect of phenytoin on prenatal and postnatal development of rats. *Biologia, Bratislava* 55 (Suppl. 8): 125–130.
- Van Bel F, Shadid M, Moison RM (1998):** Effect of allopurinol on postasphyxial free radical formation, cerebral hemodynamics, and electrical brain activity. *Pediatrics*. 101(2):185-93.
- Vannucci RC, Perlman JM (1997):** Interventions for perinatal hypoxic ischemic encephalopathy *Pediatrics*. 100(6):1004-14.
- Vazquez P, Lopez-Herce J, Carrillo A, Sancho L, Bustinza A, Diaz A. (2001):** Hepatic dysfunction after cardiac surgery in children. *Pediatr Crit Care Med*; 2:44-50.
- Vincenzo Z, Bondio M, Perini G, Temporin FG. (1985):** Serum glutamic oxaloacetic transaminase and full term asphyxiated newborns *Biol Neonat*; 47:61-69.
- Volpe, J.J. (2001):** Hypoxic ischemic encephalopathy, Saunders W.B.; *Neurology of the Newborn*, 4th edition: 217-294.
- Wanless IR, Liu JJ, Butany J. (1995):** Role of thrombosis in the pathogenesis of congestive hepatic fibrosis (cardiac cirrhosis). *Hepatology*. 21:1232-1237.

- Webster GJM, Kurtovic J, Lowe SA, Riordan SM. (2004):** Hepatic ischemia associated with coarctation of the aorta in pregnancy: key issues in differential diagnosis. *Obstet Gynecol.*; 104:1151-1154.
- Wheeler B. (2000):** Kernicterus: Ancient history or ongoing threat? *Mother Baby Journal* 5(2): 21–30.
- Whitehead MW, Hawkes ND, Hainsworth I, Kingham JGC. (1999):** A prospective study of the causes of notably raised aspartate aminotransferase of liver origin. *Gut*; 45(1):129-33.
- Wilkinson DJ. (2009):** Cool heads: ethical issues associated with therapeutic hypothermia for newborns. *Acta Paediatr.*98(2):217-20.
- Williams KP, and Singh A (2002):** Correlation of seizures in newborns with umbilical artery gas values. *Obstet. Gynecol.* 100(3): 557-560.
- Wolf AD, and Lavine JE. (2000):** Hepatomegaly in neonates and children. *Pediatrics in Review* 21(9): 303–310.
- World Health organization statistical information system (WHO) (2004):** The prediction and prevention intrapartum fetal asphyxia in term pregnancies.
- Young DS (2001) :** Effects of disease on clinical lab. Tests, 4th ed.

- Zanelli SA, Naylor M, Dobbins N, et al. Implementation of a 'Hypothermia for HIE' program (2001):** 2-year experience in a single NICU. *J Perinatol* 28(3):171-175.
- Zhu JJ, and Wu MY. (2007):** [Which is better to resuscitate asphyxiated newborn infants: room air or pure oxygen?] *Zhonghua Er Ke Za Zhi.* 45(9):644-9.
- Zhu C, Kang W, Xu F (2009):** Erythropoietin improved neurologic outcomes in newborns with hypoxic-ischemic encephalopathy. *Pediatrics.* 124(2):e218-26.