

References

- **Abdel-Hamid M, El- Daly M, Molnegren V, et al., (2007) :** Genetic diversity in hepatitis C virus in Egypt and possible association with hepatocellular carcinoma. J Gen Virol ; **88**:1526–1531.
- **Abdul-Qawi K, Youssef A, Metwally M A, et al., (2010) :** Prospective study of prevalence and risk factors for hepatitis C in pregnant Egyptian women and its transmission to their infants. Croat Med J; **51** (3): 219–228.
- **Aboagye-Mathiesen G, To F D, Zdravkovic M, et al., (1996):** Function characteristics of human trophoblast interferons. Am. J. Reproduct.Immunol; **35**:309–317.
- **Aguet M, Dembic Z, Merlin G., (1988):** Molecular cloning and expression of the human interferon- γ receptor. Cell **55**: 273-280.
- **Alberti A (1999):** Natural history of hepatitis C. J. Hepatol; **31**: 17- 24.
- **Alter M J, Liang J, Dienstag J, (2002):** Viral Hepatitis and Liver Disease. Atlanta International Medical Press; **(12)**; 310-315.
- **Alter M J, Seeff L B, Bacon B R et al.,(2004):** Testing for hepatitis C virus infection should be routine for persons at increased risk for infection. Ann Intern. Med .**141**:715-717.

- **Alter M J (2007):** Epidemiology of hepatitis C virus infection . World J Gastroentrol ; **13** : 2436 - 2441.
- **Amoroso P, Rapicetta M, Tosti ME, et al., (1998):** Correlation between virus genotype and chronicity rate in acute hepatitis C. J Hepatol ; **28**(6): 93-104.
- **Antaki N, Caraxi A, Kamal S et al., (2010):** The neglected hepatitis C virus genotype 4, 5 and 6: an international consensus report . Liver int ; **30**:342-255.
- **Armstrong GL, Wasley A, Simard E P et al ., (2006):** The prevalence of hepatitis C virus infection in the United States. Ann Intern. Med; **144**(10) : 705–714.
- **Arshad M, El-Kamary S, Jhaveri R .,(2011):** Hepatitis C Virus Infection during Pregnancy and the Newborn Period. Journal of Viral Hepatitis ; **18** (4):229-236.
- **Ascoli V, Lo C, Artini M et al.,(1998):** Extranodal lymphomas associated with hepatitis C virus infection. Am.J.Clin. Pathol ; **109**: 600-609.
- **Azzari C, Indolfi G, Moriondo M et al., (2007):** Vertical hepatitis C virus transmission is not related to mother-to-child class - I HLA concordance. Int J. Immunopathol Pharmacol; **20**(4):827-831.

- **Azzari C, Moriondo M, Indolfi G et al., (2008):** Higher risk of hepatitis C virus perinatal transmission from drug user mothers is mediated by peripheral blood mononuclear cell infection. *J Med Virol* ; **80**(1): 65–71.
- **Bakr I, Rekacewicz C, El Hosseiny M, et al., (2006):** Higher clearance of hepatitis C virus infection in females compared with males. *Gut Hepatolog*; **40**, 1062–1071.
- **Baron S and Dianzani F, (1994):** The interferons: a biological system with therapeutic potential in viral infections. *Antiviral Res*; **24**: 97–110.
- **Bedossa P and Poynard T, (1996):** An algorithm for the grading of activity in chronic hepatitis C. The METAVIR Co – operative Study Group *Hepatology*; **24**: 289-293.
- **Beeck A and Dubuisson J, (2003):** Topology of hepatitis C virus envelope glycoproteins. *Rev Med Virol*; **13** (4): 233–241.
- **Berkley EM, Leslie KK, Arora S et al., (2008) :** Chronic hepatitis C in pregnancy . *ObstetGynecol*; **112**(2Pt 1): 304–310.
- **Berry V, Arora R, Paul P., (2005):** Hepatitis C- Clinical outcome an diagnosis. *J. K Sci*; **7**: 129-132.
- **Bevilacqua E, Fabris A, Floreano P, (2009):** Genetic factors in mother-to-child transmission of HCV infection. *Virology*; **390**: 64-70.

- **Blackburn D G and Flemming A F., (2011):** Invasive implantation and intimate placental associations in a placentotrophic African lizard. *Journal of Morphology*. doi: 10.1002/jmor.11011.
- **Bortolotti F, Resti M, Giacchino R et al., (1997):** Hepatitis C virus infection and related liver disease in children of mothers with antibodies to the virus. *J. Pediatr*; **130**: 859-61.
- **Bortolotti F, Resti M, Giacchino R, et al., (1998) :** Changing epidemiologic pattern of chronic hepatitis C virus infection in Italian children. *J Pediatr* ; **133**: 378-381.
- **Bortolotti F, Verucchi G, Camma C et al., (2008):** Long-term course of chronic hepatitis C in children: from viral clearance to end-stage liver disease. *Gastroenterology*; **134**: 1900–1907.
- **Bosi I, Ancora G, Mantovani W, et al., (2002):** HLA-DR13 and HCV vertical infection. *Pediatr Res*; **51**: 746-749.
- **Busch MP, Giachetti C, Conrad A, et al., (2001):** Dynamics of very early HCV viremia. In Program and abstracts of the 8th. International Symposium on Hepatitis C Virus and Related Viruses ; **30**: 611-615.
- **Cabrera R, Tu Z, Xiao Y et al., (2004):** An immune modulatory role for CD4 + CD 25 + regulatory T lymphocytes in hepatitis C virus infection. *Hepatology*; **40**: 1062–1071.

- **Carolyn Gardella and Chia. , (2008):** Hepatitis C and pregnancy. *Future Virol*; **3**(1):1-5.
- **Ceci O, Margiotta M, Mareello F, et al., (2001):** Vertical transmission of hepatitis C virus in a cohort of 2,447 HIV - seronegative pregnant women: a 24 - month prospective study. *J Pediatr Gastroenterol Nutr*; **33**: 570- 575.
- **Choo Q, Kuo G, Weiner A , et al., (1989):** Isolation of acDNA clone derived from a blood-borne non-A, non-B viral hepatitis genome. *Science*; **244**, 359-362.
- **Cohen P (2000):** Extrahepatic manifestation of hepatitis C virus. *Press Med*; **29**: 209-214.
- **Colin C, Lanoir D, Touzet S et al ., (2001):** Sensitivity and specificity of third-generation hepatitis C virus antibody detection assays: an analysis of the literature. *J Viral Hepat*; **8**: 87-95.
- **Collins MK, Tay CS, Erlebacher A (2009):** Dendritic cell entrapment with in the pregnant uterus inhibits immune surveillance of the maternal / fetal interface in mice. *J Clin Invest*; **119**:2062–2073.
- **Conte D, Fraquelli M, Prati D et al (2000):** Prevalence and clinical course of chronic hepatitis C virus (HCV) infection and rate of vertical transmission in a cohort of 15,250 pregnant women. *J Hepatology*; **31**:751–5.

- **Costa ZB, Machado GC, Avelino MM et al., (2009):** Prevalence and risk factors for Hepatitis C and HIV - 1 infections among pregnant women in Central Brazil. BMC Infect Dis; **9**: 116-119.
- **Cox AL, Netski DM, Mosbrugger T et al. (2005):** "Prospective evaluation of community-acquired acute-phase hepatitis C virus infection". Clinical Infectious diseases; **40** (7): 951–8.
- **Crockett SD, Kaltenbach T, Keeffe EB., (2006) :** Do we still need a liver biopsy ? Are the serum fibrosis tests ready for prime time. Clin. Liver Dis; **10**:513-534.
- **Deignan T, Curry MP, Doherty D et al., (2002) :** Decrease in hepatic CD56⁺ T cells and alpha 24⁺ natural killer T cells in chronic hepatitis C viral infection. J Hepatol; **37**:101–108.
- **Delamare C, Carbonne B, Heim N et al., (1999):** Detection of hepatitis C Virus RNA (HCV RNA) in amniotic fluid: a prospective study. J Hepatol; **31**(3): 416–420.
- **Delamare C, Carbonne B, Heim N et al., (2009):** Detection of hepatitis C virus RNA (HCV RNA) in amniotic fluid: a prospective study. Hepatol; **31** (3): 416– 420.
- **Dienstag JL (2002):** The role of liver biopsy in chronic hepatitis C Hepatology; **36**(Suppl):S152-S160.

- **Ditzian-Kadanoff R, Garon J, Verp MS et al., (1993) :** Gamma delta T cells in human decidua. Am J. Obstet Gynecol; **168**:831–836.
- **Dolganiuc A, Chang S, Kodys K et al (2006) :** Hepatitis C virus (HCV) core protein-induced, monocyte-mediated mechanisms of reduced IFN-alpha and plasmacytoid dendritic cell loss in chronic HCV infection . J. Immunol; **177**: 6758–6768.
- **Dowd KA, Hershov RC, Yawetz S , et at., (2008):** Maternal neutralizing antibody and transmission of hepatitis C virus to infants. J Infect Dis; **198**(11): 1651–1655.
- **Dubuisson J, (2007):** "Hepatitis C virus proteins". World J. Gastroenterol; **13** (17): 2406–2415.
- **Dufour DR, Talastas M, Fernandez MD et al.,(2003):** Low- positive anti- hepatitis C virus enzyme immunoassay results: an important predictor of low likelihood of hepatitis C infection. Clin. Chem; **49**:479-486.
- **Dusheiko G, Schmilovitz - Weiss H, Brown D., (2005) :** Hepatitis C virus genotypes: An investigation of type-specific differences in geographic origin. Hepatology; **19**: 13-18.
- **Dusheiko G (2011):** Hepatitis C.In Sherlock's Disease of the liver and biliary system, twelfth Edition.By Black Well publishing Ltd. (**20**):406-426.

- ***El-Shamy A, Kim SR, Ide YH, Sasase N et al., (2012):*** Polymorphisms of hepatitis C virus non-structural protein 5A and core proteins and clinical Outcome of pegylated – interferon / ribavirin combination therapy. Intervirology; **55**: 1–11.
- ***El-Zanty F and Way A (2009):*** Egypt Demographic and Health Survey (2008). Egypt Ministry of Health (ElZanty and Associates and Macro International, Cairo), p p **431**.
- ***Eriksen N L, (1999):*** Perinatal consequences of hepatitis C. Clinical Obstetrics, Gynaecology; **42**(1):121-133.
- ***Esteban JI, (1991):*** High rate of infectivity and liver disease in blood donors with antibodies to hepatitis C virus. Ann. Intern. Med.; **115**: 443-449.
- ***Everhart J, Di Bisceglie A, Murray L , et al., (1990):***Risk for non-A, non-B hepatitis through sexual or household contact with chronic carriers. Ann. Intern. Med; **112**: 544-545.
- ***European Paediatric Hepatitis C Virus Network., (2005) :*** A significant sex – but not elective cesarean section – effect on mother- to- child transmission of hepatitis C virus infection. J Infect Dis; **192** (11): 1872–1879.
- ***Farhana S, Syed Q, Husain N et al (2009):*** Prevalence and risk factors for hepatitis C virus during pregnancy. Vol. 7, No. 2; 86-88.

- **Feldman SB, Ferraro M, Zheng HM et al., (1994):** Viral induction of low frequency interferon-alpha producing cells. *Virology*; **204**: 1-6.

- **Fensterl V and Sen GC, (2009):** " Interferons and viral infections". *Bio factors*; **35** (1): 14–20.

- **Felly J, Thompson AJ, Ge D et al., (2010):** ITPA gene variants protect against anemia in patients treated for chronic hepatitis C . *Nature*; **464**: 405-408.

- **Ferenci P, Fried M W, Shiffman M L et al., (2005):** Predicting sustained virological responses in chronic hepatitis C patients treated with peginterferon alfa - 2a (40 KD)/ribavirin. *J Hepatol* ; **43**: 425-433.

- **Fink J, Gu F, Ling L et al., (2007):** Host gene expression profiling of dengue virus infection in cell lines and patients. *PLoS Negl Trop Dis* **1**: e86.

- **Fitzgerald - Bocarsly P, (1993):** Human natural interferon - α producing cells. *Pharmacol. Ther*; **60**: 39-43.

- **Flamm SL , Parker R A ,Chopra S, et al.,(1998):** "Risk factors associated with chronic hepatitis C virus infection: limited frequency of an unidentified source of transmission". *Am. J. Gastroenterol*; **93**: 597-600.

- **Fletcher S, (2003):** Sexual transmission of hepatitis C and early intervention. *J Assoc Nurses AIDS Care*; **14**(5 Suppl):87S-94S.

- ***Floreani A, Paternoster DM, Zappala F, et al., (1996):*** Hepatitis C virus infection in pregnancy. Br J Obst Gynaecol; **103**: 325–329.

- ***Floreani A, (2009):*** Viral Hepatitis and Pregnancy. Current Women's Health Reviews; **5**: 8-13.

- ***Fried MW, Shiffman ML, Reddy KR et al., (2002):*** Peginterferon alfa-2a plus ribavirin for chronic hepatitis C virus infection. N Engl J Med; **347**:975-982.

- ***Gallop M, (2010) :*** Management of hepatitis C virus in childhood. Ann Hepatol; Vol. **9**: 98-102.

- ***Ge D, Fellay J, Thompson AJ et al., (2009):*** "Genetic variation in IL 28 B predicts hepatitis C treatment-induced viral clearance".Nature; **461**: (7262): 399–401.

- ***Germer JJ, Rys PN, Thorvilson JN et al., (1999):*** Determination of hepatitis C virus geno type by direct sequence analysis of products generated with the Amplicor HCV test. J Clin Microbiol; **37**: 2625-2630.

- ***Gerotto M, Resti M, Dal Pero F et al., (2006):*** Evolution of hepatitis C virus quasispecies in children with chronic hepatitis C. Infection; **34**(2): 62–65.

- ***Gervais A, Bacq Y, Bernuau J, et al., (2000):*** Decrease in serum ALT and increase in serum HCV RNA during pregnancy in women with chronic hepatitis C. J Hepatol ; **32**(2): 293–299.

- **Ghany M, Doris B, Strader L et al., (2009) :** Diagnosis, management, and treatment of hepatitis C: an update. *Hepatology*; **49**: 1335–1374.
- **Gibb DM, Goodall RL, Dunn DT et al., (2000) :** Mother - to - child transmission of hepatitis C virus: evidence for preventable peripartum transmission. *Lancet*; **356**(9233): 904–907.
- **Giang - Huong N, Jourdain G, Sirirungsi W, et al., (2010) :** Human Immuno - deficiency virus - hepatitis C virus co - infection in pregnant women and perinatal transmission to infants in Thailand. *Int J Infect Dis*; **14**(7): e602–e607.
- **Golden-Mason L, Castelblanco N, O'Farrelly C et al.,(2007):** Phenotypic and functional changes of cytotoxic CD56^{pos} natural T cells determine outcome of acute hepatitis C virus infection. *J Virol*; **81**: 9292–9298.
- **Goldstein D and Laszlo J., (1988) :** The role of interferon in cancer therapy : a current perspective . *CA: a cancer journal for clinicians*; **38** (5): 258–277.
- **Grandvaux N, tenOever M J, Servant et al., (2002):** The interferon antiviral response: from viral invasion to evasion. *Curr. Opin. Infect. Dis*; **15**:259-267.
- **Granovsky MO, Minkoff HL, Tess BH et al., (1998) :** Hepatitis C virus infection in the mothers and infants cohort study. *Pediatrics*; **102**:355-359.

- **Guntupalli S R and Steingrub J., (2005) :** Hepatic disease and pregnancy: an overview of diagnosis and management. Crit Care Med; **33** (suppl) : S332-S39.
- **Guido M , Fagioli S, Tessari G et al., (2002) :** Histology predicts cirrhotic evolution of post transplant hepatitis C. Gut ; **50** : 697-700.
- **Guilbert L, Robertson S A, Wegmann T G., (1993) :** The trophoblast as an integral component of a macrophage – cytokine. Network Immunol. Cell. Biol; **71**: 49–57.
- **Guillmero V, Nahum M, Adrian G, et al.,(2010):** Diagnosis, Management and treatment of HCV in pregnancy. Vol **9**; Suppl (1); 8-26.
- **Hadziyannis SJ, SetteH J, Morgan TR, et al., (2004):** Peg-interferon – Alpha 2 a and ribavirin combination therapy in chronic hepatitis C: a randomized study of treatment duration and ribavirin dose. Ann Intern Med; **140**:346-355.
- **Haller O, Kochs G, Weber F., (2007) :** Interferon and viral counter measures. Cytokine Growth Factor Rev; **18** (5–6): 425–33.
- **Hanson LA and Korotkova M., (2002):** The role of breast feeding in prevention of neonatal infection. Semin Neonatol; **7**: 275–281.
- **Hattori Y, Orito E, Ohno T et al., (2003):** Loss of hepatitis C virus RNA after parturition in female patients with chronic HCV infection. J Med Virol; **71**(2): 205-211.

- **Hauschild A, Gogas H, Tarhini A et al., (2008):** Practical guidelines for the management of interferon - alpha - 2 b side effects in patients receiving adjuvant treatment for melanoma: expert opinion. *Cancer* **112** (5): 982– 994.
- **Hay JE, (2008):** Liver disease in pregnancy. *Hepatology* ; **47** (3): 67 –76.
- **Heim MH (2000):** Intracellular signalling and antiviral effects of interferons. *Dig. Liver Dis*; **32**:257-263.
- **Hurtado C, Lucy GM, Megan B et al., (2010):** Innate Immune Function In Placenta and Cord Blood of Hepatitis C – Seropositive Mother - Infant Dyads: *PLoS One*; **5**(8): e12232.
- **Indolfi G ,Azzari C, Moriando M, et at., (2006):** ALT levels in one year Before pregnancy predict risk of HCV vertical transmission . *Med virol*; **78**; 911-914.
- **Indolfi G, Resti M, (2009):** Perinatal transmission of hepatitis C virus infection . *J Med Virol* ; **81**: 836-843.
- **Inglesby T, Rai R, Astemborski J et al.,(1999):** A prospective community based evaluation of liver enzymes in individuals with hepatitis C after drug use. *Hepatology*; **29**: 590–600.

- **Irshad M, Khushboo I, Singh S et al., (2008):** Hepatitis C virus (HCV): a review of immunological aspects. *IntRev Immunol* ; **27**(6): 497–517.
- **Ishak K, Baptista A, Bianchi L., et al., (1995):** Histological grading and staging of chronic hepatitis. *J Hepatol*; **22**: 696-699.
- **Ishida S, Kaito M, Kohara M et al., (2001) :** Hepatitis C virus core particle detected by immune electron microscopy and optical rotation technique. *Hepatol Res*; **20**(3): 335-347.
- **Ishikawa T., (Oct 2008):**Secondary prevention of recurrence by interferon therapy after ablation therapy for hepatocellular carcinoma in chronic hepatitis C patients ; **14**(40): 6140-6144.
- **Jhaveri R, Grant W, Kauf TL et al., (2006):** The burden of hepatitis C virus infection in children: estimated direct medical costs over a 10-year period. *J Pediatr*; **148**(3): 353–358.
- **Jonas MM, (2002):** Children with hepatitis C. *Hepatology* ; **36** (5 Suppl 1): S173–S178.
- **Joseph M, Cummins N, DVM et al., (2010):** Low dose interferon, immune modulation and emergency influenza prophylaxis. *Amarillo Biosciences*. [Http: // www. pathobiologics. Org/ivphc/ref/iav121604. Doc](http://www.pathobiologics.Org/ivphc/ref/iav121604.Doc) . Retrieved. 07-14.
- **Jubin R, (2001) :** Hepatitis C virus : translating translation into a therapeutic target. *Curr. Opin. Mol Ther*; **3** (3): 278–87.

- ***Jushchuk N , Kuz'min V ,Terapevtichesky N ., (2000):*** Application for treatment of hepatitis B and C in pregnant women. *Mol. Bio*; **10**: 46-49.
- ***Kalantar-Zadeh K, Miller LG, Daar ES., (2005):*** Diagnostic discordance or Hepatitis C virus infection in hemodialysis patients. *Am J Kidney Dis*; **46**: 290-300.
- ***Kamal S M, Rasenack J W, Bianchi L et al ., (2001) :*** Acute hepatitis C without and with schistosomiasis: Correlation with hepatitis C-specific CD4 (+) T-cell and cytokine response. *Gastroenterology*; **121**: 646–56.
- ***Kamal S, (2008):*** Acute Hepatitis C: A Systematic Review. *Am J Gastroenterol*; **103**:1283–1297.
- ***Karmochkine M, Carrat F, Dos Santos O et al., (2006):*** " A case – control study of risk factors for hepatitis C infection in patients with unexplained routes of infection". *Journal of Viral Hepatitis*; **13** (11): 775–82.
- ***Kassem A S, Nawawy AA, Massoud MN et al., (2000) :*** Prevalence of Hepatitis C virus (HCV) infection and its vertical transmission in Egyptian pregnant women and their new borns. *J Trop Pediatr*; **46**:231–3.
- ***Kato N, (2000):*** "Genome of human hepatitis C virus (HCV): gene organization, sequence diversity and variation. *Microb. Comp. Genomics*; **5** (3): 129–151.

- **Khokhar N K, Raja S K, Javaid S.,(2002) :** Hepatitis C Virus Infection and its Risk Factors in Pregnant women. *Hepatology*; **36** (5 Suppl 1): S3-20.
- **Khuroo MS and Kamili S. (2003):** clinical course and outcome of sporadic acute viral hepatitis in pregnancy. *J Viral Hepat*; **10**: 61- 69.
- **Kimura M, Hanawa H, Watanabe H, et al ., (1995) :** Synchronous expansion of Intermediate TCR cells in the liver and uterus during pregnancy. *Cell Immunol*; **162**(1): 16–25.
- **Kiyosawa K, Tanaka E, Sodeyama T, et al., (1994):** Transmission of hepatitis C in an isolated area in Japan. *Gastroenterology*; **106**(6):1596-1602.
- **Kleiner DE, (2005):** The liver biopsy in chronic hepatitis C: a view from the other side of the microscope. *Semin Liver Dis*; **25**: 52-64.
- **Kobayashi S, Takeda T, Enomoto M, et al., (2007):** Development of Hepatocellular carcinoma in patients with chronic hepatitis C who had a sustained virological response to interferon therapy : a multicenter, retrospective cohort study of 1124 patients. *Liver Int*; **27**:186-191.
- **Kumar RM, Frossad PM, Hughes PF., (1997):** Seroprevalence and mother-to infant transmission of hepatitis C in asymptomatic Egyptian women. *Eur J Obstet Gynecol Reprod Biol*; **75**:177-182.

- **Lechner F, Gruner N, Urbani S, et al., (2000) :** CD 8 + T lymphocyte responses are induced during acute hepatitis C virus infection but are not sustained. Eur. J. Immunol; **30**; 2479–2487.
- **Lin H, Mosmann TR, Guilbert L et al., (1993):** Synthesis of T helper 2 –type cytokines at the maternal-fetal interface. J Immunol; **151** (9): 4562–4573.
- **Lin HH, kao JH, Hsu HY et al., (1995) :** Absence of infection in breast fed infants born to hepatitis C virus infected mothers. J pediatr ;**126**:589-91.
- **Lin RJ, Liao CL, Lin E et al., (2004):** Blocking of the Alpha Interferon – Induced Jak - State Signaling Pathway by Japanese Encephalopathy Virus Infection. J. Virol. **78** (17): 9285–94.
- **Locatelli A, Roncaglia N, Arreghini A et al., (1999) :** Hepatitis C virus infection is associated with a higher incidence of cholestasis of pregnancy. Br J ObstetGynaecol; **106**(5): 498–500.
- **Iorio R, Giannattasio A, Sepe A et al., (2005) :** Chronic hepatitis C in childhood: an 18-year experience. Clin Infect Dis; **41**:1431–1437.
- **Lozach P, Amara A, Bartosch B et al., (2004) :** C – type lectins L - SIGN and DC - SIGN capture and transmit infectious hepatitis C virus Pseudo type particles. J. Biol.Chem; **279**: 32-35.
- **McMenamin MB, Jackson AD, Lambert J, et al., (2008):** Obstetric management of hepatitis C-positive mother’s analysis of vertical transmission

in 559 mothers - infant pairs. American Journal of Obstetrics and Gynecology; **199**(3):712-719.

- ***Mariné-Barjoan E, Berrebi A, Giordanengo V et al., (2007):***HCV/HIVco - infection, HCV viral load and mode of delivery: risk factors for mother - to-child transmission of hepatitis C virus? AIDS; **21**(13): 1811–1815.
- ***Martinetti M, Pacati I, Cuccia M et al., (2006) :*** Hierarchy of baby linked immunogenetic risk factors in the vertical transmission of hepatitis Cvirus. Int. J. Immunopathol. Pharmacol; **19**: 369-378.
- ***Mast EE, Hwang LY, Seto DS et al., (2005):*** Risk factors for perinatal transmission of hepatitis C virus (HCV) and the natural history of HCV infection acquired in infancy. J Infect Dis; **192**(11): 1880–1889.
- ***Mazza C, Ravaggi A, Rodella A et al., (1998) :*** Prospective study of mother- to - infant transmission of hepatitis C virus (HCV) infection. J Med Virol; **54**:12–19.
- ***McHutchison J, Lawitz E, Shiffman M et al.,(2009):*** Piginterferon α -2bora-2a with ribavirin in treatmen of hepatitis C virus.N.Engl.J. Med; **361**: 580- 591.
- ***Meky F, Stoszek SK, Abdel-Hamid M et al., (2006):*** Active surveillance for acute viral hepatitis in rural villages in the Nile Delta. Clin Infect Dis; **42**:628–33.
- ***Meylan E, Curran J, Hofmann K, et al., (2005):*** Cardiff is an adaptor protein In the RIG-I antiviral pathway and is targeted by hepatitis C virus. Nature; **437**: 1167–1172.

- **Miller F and Abu-Raddad L, (2010):** Evidence of intense on going endemic transmission of hepatitis C virus in Egypt. PANAS. Early Edition (1-6). WWW.pnas.org/Cgi/doi/10.1073.
- **Minola E, Maccabruni A, Pacati I et al., (2001) :** Amniocentesis as a possible Risk factor for mother -to-infant transmission of hepatitis C virus. Hepatology ; **33**(5): 1341–1342.
- **Mohamed M, Abdel-Hamid M, Mikhail N et al., (2005):** Intrafamilial transmission of hepatitis C in Egypt. Hepatology; **42**: 683-687.
- **Mohamed M, Magder L, Abdel-Hamid M et al., (2006):** Transmission of hepatitis C virus between parents and children. Am J Trop Med Hyg ; **75** (1): 16–20.
- **Mitsuhiro H, Minakami H, Koshizuka S et al., (2000) :** Administration of Interferon – alpha during pregnancy : effects of fetus. Perinat Med; **28**: 372–376.
- **Mok J, Pembrey L, Tovo P et al., (2005) :** When does mother to child transmission of hepatitis C virus occur. Arch Dis Child Fetal Neonatal Ed ; **90**(2): F156–F160.
- **Mor G and Cardenas I., (2010) :** The Immune System in Pregnancy: A Unique Complexity. Am J Reprod Immunol; **63**:425–433.

- **Moretta L and Moretta A, (2004):** Unraveling natural killer cell function: Trigger in and inhibitory human NK receptors. *EMBO J*; **23**: 255–259.
- **Morishima C, Paschal D, Wang C, et al., (2006) :** Decreased NK cell frequency in chronic hepatitis C does not affect ex vivo cytolytic killing. *Hepatology*; **43**:573–580.
- **Mossman K, (2011):** Viruses and Interferon: Current Research Caister Academic Press. ISBN; **978-1-904455-81-3**.
- **Murakami J, Okamoto M, Miyat H., et al, (2000) :** Evolution in the hypervariability region of hepatitis C virus in infants after vertical transmission. *Ped Res*; **48**: 450-456.
- **Murray K, Richardson L, Morishima C et al., (2003) :** Prevalence of hepatitis C virus infection and risk factors in an incarcerated juvenile population : a pilot study. *Pediatrics*; **111**(1): 153–157.
- **Nattermann J, Nischalke H D, Hofmeister V, et al. (2005) :** The HLA – A2 restricted T cell epitope HCV core 35–44 stabilizes HLA - E expression and inhibits cytolysis mediated by natural killer cells. *Am. J. Pathol.* **166**:443–453
- **Nattermann J, Feldmann G, Ahlenstiel G et al., (2006) :** Surface expression and cytolytic function of natural killer cell receptors is altered in chronic hepatitis C. *Gut*; **55**, 869–877.

- **Navratil V and Chassey B (2010):** Systems - level comparison of protein-protein interactions between viruses and the human type I interferon system network". *Journal of Proteome Research* **9** (7): 3527–36.
- **Nicholas M, (2012):** Interferon in pregnancy. *J. Dev. Physiol* ; **11**: 271-274.
- **Njouom R, Christopher , Aihdjo A et al., (2005):** Low risk of mother to Infant transimission of hepatitis C virus . *Am . J. Trop. Med. Hyg* ; **73** (2), pp. 460–466.
- **Onakewhor J U and Okonofua F E , (2009) :** Sero prevalence of Hepatitis C viral antibodies in pregnancy in a tertiary health facility in Nigeria. *Niger J. Clic Pract* ; **12**(1): 65–73.
- **Owen G, (2008):** hepatitis C transmission among HIV-positive ‘serosorting’ gay men. *Culture, Health & Sexuality*; **10** (6): 601-610.
- **Paolicelli D, Direnzo V, Trojano M, (2009):** Review of interferon beta-1b in the treatment of early and relapsing multiple sclerosis. *Biologics: Targets & Therapy***3**: 369–376.
- **Parti D, Zanella A, De Marriti C et al., (1999) :** Chronic hepatitis C infection and primary cutaneous B-cell lymphoma.*Br.J.Haematol.***105**:841 .

- ***Paternoster DM, Santarossa C, Grella P et al., (2001):*** Viral load in HCVRNA.ppositive pregnant women . Am J Gastroenterol ; **96**: 2751-54.
- ***Paternoster DM, Fabris F, Palú G et al., (2002):*** Intra-hepatic cholestasis of pregnancy in hepatitis C virus infection. Acta. Obstet Gynecol Scand; **81** (2): 99–103.
- ***Paternoster D, Belligoli A, Ngaradoumbe N et al., (2008):*** Endogenous Interferon – alpha level is increased in hepatitis C virus (HCV) - positive pregnant women. J Clin Gastroenterol; **42**: 204-07.
- ***Pergam S, Wang C, Gardella C et al., (2008) :*** Pregnancy complications associated with hepatitis C : data from a 2003–2005 Washington state birth cohort. Am J Obstet Gynecol; **199**(1): e1–e9.
- ***Persico M, Perrotta S, Persico E et al., (2006) :*** Hepatitis C virus Carriers with persistently normal ALT levels : biological peculiarities and update of thenatural history of liver disease at 10 years. Journal of Viral Hepatitis; **13**:290-296.
- ***Piasecki B, Lewis J, Reddy KR et at., (2004):*** (Prevalence and natural history of hepatitis C infection in patients cured of childhood) .J Med Virol; **73**: 88-91.
- ***Polis C B, Shah SN, Johnson KE et al., (2007) :*** Impact of maternal IV co - infection on the vertical transmission of hepatitis C virus : A meta analysis. Clin Infect Dis; **44**(8): 1123–1131.

- **Pontisso P, Bellati G, Brunetto M et al., (1999) :** Hepatitis C virus RNA Profiles in chronically infected individuals : do they relate to disease activity? . Hepatology; 29: 585-89.
- **Posthouwer D, Fischer K, van Erpecum KJ et al., (2006) :** The natural history of childhood - acquired hepatitis C infection in patients with inherited bleeding disorders. Transfusion; **46**: 1360–1366.
- **Pouillot R, Lachenal G, Pybus OG et al., (2008) :** Variable epidemic histories of hepatitis C virus genotype 2 infection in West Africa and Cameroon. Infect Genet. E. vol; **8**: 676-81.
- **Poynard T and Bedossa P., (1997) :** For the OBSVIRC , METAVIR, CLINIVIR, and DOSVIR C groups. Natural history of liver fibrosis progression in patients with chronic hepatitisC. Lancet; **349**:825–832.
- **Poynard T, (2000):** Natural history of liver fibrosis progression in patients with Chronic hepatitis C. Lancet; **349**: 825-832.
- **Pure V, Petrosillo N, Ippolito G ., (1995) :** Risk of hepatitis C seroconversion after occupational exposures in health care workers. Italian Study Group on occupational Risk of HIV and Other Blood borne Infections. Am J InfectControl; **23**: 273-277.
- **Pozzota G, Mazzaro C, Crovatta M et al ., (1994) :** Low grade malignant Lymphoma , hepatitis C virus infection , and mixed cryoglobulinemia. Blood: **84**:3047-3054.

- **Raghuraman S, Shaji R, Sridharan et al., (2003)** : Distribution of the different genotypes of HCV among patients attending a tertiary care hospital in south India. J Clin Virol; **26**: 61-69.
- **Reddy KR, Fried MW, Shiffman ML et al., (2001)**: Peginterferon alfa-2a plus ribavirin for chronic hepatitis C virus infection. N Engl J Med; **347**:975-982.
- **Resti M, Azzari C, Mannelli F et al., (1998)** : Mother to child Transmission of hepatitis C virus : prospective study of risk factors and timing of infection in children born to women seronegative for HIV-1. Tuscany Study Group on hepatitis C Virus Infection. BMJ; **317** (7156): 437– 441.
- **Resti M, Jara P, Hierro L et al., (2003)**: Clinical features and progression of perinatally acquired hepatitis C virus infection. J Med Virol; **70**:67-74.
- **Rivas-Estilla AM, Cordero-Pérez P, Trujillo - Kdel C, et al., (2008)**: Genotyping of hepatitis C virus (HCV) in infected patients from The east Mexico. Ann Hepatol; **7**: 144-7.
- **Roberts EA and Yeung L (2002)**: Maternal – infant transmission of hepatitis C virus infection. Hepatology; **36**: S106-S111.
- **Romero-Gomez M and Suarez-Garcia E (1998)**: Influence of pregnancy in Chronic hepatitis C virus infection]. Med Clin (Barc); **111**:641-644.

- **Ruiz-Moreno M, Leal-Orozco A, Millàn A., (1999):** Hepatitis C virus infection in children. J Hepatol ; **31**(1): 124–129.

- **Salyer and David, (2010):** Hepatitis C - contamination of tooth brushes. J. Viral Hepat; **13** (9): 571–3.

- **Sang Heui Seo, Erich Hoffmann, Robert G, et al., (2002) :** Lethal H5N1 influenza virus escape host anti - viral cytokine response. Nature Medicine; **8** (9): 950–954.

- **Scott JD and Gretch DR , (2007) :** Molecular diagnostics of hepatitis C virus infection: a systematic review. Jama; **297**: 724-732.

- **Seeff LB, Buskell-Bales Z, Wright EC et al., (1992):** Long-term mortality after transfusion associated non-A, non-B hepatitis. N. Engl. J. Med; 327: 1906 – 1911.

- **Seeff LB, Hollinger FB, Alter HJ et al ., (2001) :** Long – term mortality and morbidity of transfusion – associated non- A, non -B, and type C hepatitis : A National Heart , Lung , and Blood Institute collaborative study. Hepatology ; **33** : 455-463.

- **Sen GC, (2009):** Viruses and interferons . Annu Rev. Microbiol; **55**: 255 – 258.

- **Shebl FM, El-Kamary SS, Sale DA et al., (2009):** Prospective cohort study of Mother - to - infant infection and clearance of hepatitis C in rural Egyptian villages. J Med Virol ; **81**(6): 1024–1031.

- **Siegal F P, Kadowaki N, Shodell M et al., (1999) :** The nature of the principal type 1 interferon – producing cells in human blood . Science; **284**:1835-1837.
- **Simanis R, Lejniece S, Sochnevs A et al (2008) :** Natural clearance of hepatitis C virus in hemophilia patients. Medicina(Kaunas) ; **44**(1): 15–21.
- **Simmonds P, Bukh J, Combet C, et al., (2005):** Consensus proposals for a unified system of nomenclature of hepatitis C virus genotypes. Hepatology ; **42**:962-973.
- **Spencer JD, Latt N, Beeby P et al (1997) :** Transmission of hepatitis C virus to infants of human immune deficiency virus- negative intravenous drug-using mothers: rate of infection and assessment of risk factors for transmission. J Viral Hepat; **4**: 395-409.
- **Steininger C, Kundi M, Jatzko G et al., (2003) :** Increased risk of Mother – to - infant transmission of hepatitis C virus by intrapartum infantile exposure to maternal blood. J Infect Dis; **187**(3): 345–351.
- **Sun CA, Chen HC, Lu SN et al., (2001):** Persistent hyperendemicity of hepatitis C virus infection in Taiwan: the important role of iatrogenic risk Factors. J Med Virol; **65**: 30-34.

- **Syriopoulou V, Nikolopoulou G, Daikos GL, et al.,(2005):** Mother to child transmission of hepatitis C virus: rate of infection and risk factors. Scand Dis.J; **37**(5):350-3.
- **Talaat M, Kandeel A, El-Shoubary W, et al (2003):** Occupational exposure to Needle stick injuries and hepatitis B vaccination coverage among health care workers in Egypt. Am J Infect Control; **31**:469–74.
- **Taylor G, (2008):** Neonates born to HCV- infected women. Published in final edited form as:Am J Obstet Gynecol. July; **199**(1): 38.e1–38.e9.
- **Thimme R, Oldach D, Chang KM, et al., (2001) :** Determinants of viral clearance and persistence during acute hepatitis C virus infection. J Exp Med. **194** :(1)395–406.
- **Thomas D, Villano S, Riester K et al (1998) :** Perinatal transmission of hepatitis C virus from human immune deficiency virus type 1 - infected mothers. J Infect Dis; **177**: 1480-1488.
- **Thomas DL, Thio CL, Martin MP et al., (2009):** Genetic variation in IL28B and spontaneous clearance of hepatitis C virus. Nature.**461**:798-801.
- **Tovo PA, Pembrey LJ, Newell ML (1999):** Persistence rate and progression of vertically acquired hepatitis C infection. European paediatric hepatitis C virus infection. J Infect Dis; **181**(2): 419–424.F
- **Tsuda H, Sakai M, Michimata T, et al (2001):** Characterization of NKT cells in human peripheral blood and decidual lymphocytes . Am J. Reprod Immunol; **45**: 295–302.

- **Van de Laar TJ Van der Bij AK, Prins M et al., (2007):** Increase in HCV incidence among men who have sex with men in Amsterdam most likely caused by sexual transmission. J Infect Dis; **196**:230-238.
- **Van de Perre P , (2003) :** Transfer of antibody via mother's milk. Vaccine; **21**:3374–3376.
- **Vial T and Descotes J., (1994):** Clinical Toxicity of the Interferons. Drug Saf e, 10(2):115-50.
- **Van Zonneveld M, Van Nunen AB, Niesters HG., et al (2003):** Lamivudine treatment during pregnancy to prevent perinatal transmission of hepatitis B virus infection. J Viral Hepat; **10**: 294-297.
- **Vandelli C, Renzo F, Romanò L et al., (2004):** "Lack of evidence of sexual transmission of hepatitis C among monogamous couples: results of a 10 - year prospective follow - up study ". The American Journal of Gastroenterology. **99** (5): 855–9.
- **Veronesi C, Verrotti dipantalla , Benassi L et al., (2007) :** Mother to child transmission of Hepatitis C Virus in a province of Northern Italy. J Prev Med Hyg; **48**: 47-49.
- **Wakita T, Pietschmann T, Kato T et al., (2005):** Detection of hepatitis C virus Genome .J Nat. Med; **11**: 791–796.

- **Weerd NA, Samarajiwa SA, Hertzog PJ (2007) :** "Type I interferon Receptors : biochemistry and biological functions ". Biol Chem; **282** (28): 20053–20057.
- **Wang C, Yao W Wang S, et al ., (2004):** Clinical Infectious Diseases; **39**:790-796.
- **Wirth S, Ribes C, Calzado MA et al ., (2011):** High Sustained Virologic Response rates in children with chronic hepatitis C receiving peginterferon alfa-2b plus ribavirin. J Hepatol; **52**:501–7.
- **Xiao XM, Li AZ, Chen X, et al (2007):** Prevention of vertical hepatitis B transmission by hepatitis B immunoglobulin in the third trimester of pregnancy. Int J Gynaecol Obstet; **96**: 167-170.
- **Yano M, Kumada H, Kage et al ., (1996):** The long – term pathological evolution of chronic hepatitis C. Hepatology ; **23**:1334-1340.
- **Yeung LT, King SM, Roberts et al., (1991):** Mother-to-infant transmission of hepatitis C virus. Hepatology ; **34**(2): 223–229.
- **Yeung L, King SM, Roberts EA., (2001):** Mother-to- infant transmission of hepatitis C virus. Hepatology ; **34**(2): 223–229.
- **Yeung LT, To T, King SM et al ., (2007) :** Spontaneous clearance of childhood hepatitis C virus infection. J Viral Hepat; **14**: 797-805.

- **Yonkers N L , Rodriguez B, Milkovich K A et al (2007) :** TLR ligand dependent activation of naïve CD4 T cells by plasmacytoid dendritic cells is impaired in hepatitis C virus infection. J Immunol.; **178**: 4436–4444.

- **Yu ML, Dai CY, Lee LP et al., (2006) :** A 24 – week course of high-dose interferon - alpha plus ribavirin for Taiwanese chronic hepatitis C patients with persistently normal or near – normal alanine aminotransferase levels. Liver int; **26**:1187-1195.

- **Zachar, V., Fink, T., Koppelhus,U et a l., (2002) :** Role of placental Cytokines in transcriptional modulation of HIV type 1 in the isolated villous trophoblast. AIDS Res Hum Retroviruses **18**, 839–847.

- **Zdravkovic M, Knudsen HJ, Liu X, et al.,(1997):** High interferon alpha levels in placenta, maternal, and cord blood suggest a protective effect against intrauterine herpes simplex virus infection. J Med Virol; **51**: 210–213.

- **Zakaria S, Fouad R, Shaker O et al., (2007) :** Changing patterns of acute Viral hepatitis at a major urban referral center in Egypt . Clin Infect Dis; **44**:e30–6.

- **Zarski JP and Leroy V., (1999) :** Counseling patients with hepatitis C. Journa of Hepatology; **91**(1):136-140.

- **Zein CO, Abu - Lebdeh H, Zein NN (2001) :** Spontaneous clearance of chronic hepatitis C during pregnancy. Am J Gastroenterol; **96**:3044-3045.

- ***Zakaria S, Fouad R, Shaker O et al., (2007):*** hanging patterns of acute viral hepatitis at a major urban referral center in Egypt. Clin Infect Dis; 44: e30– 36.