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Gambaran Klinis Kelainan Hepar & Perbandingan Nilai Laboratorium Fungsi serta Penanda Kerusakan Sel-Sel Hepar Sebelum dan Sesudah Pemberian Gansiklovir Pada Pasien Anak Hepatitis CMV di RSUP Dr. Sardjito

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DAFTAR PUSTAKA

- Abdel-Misih, S. R., & Bloomston, M. 2010. Liver anatomy. *The Surgical clinics of North America*. 90(4), pp. 643-53.
- Akaboshi, I., Fugita, K., Abe, A., & Tanaka, T. 2004. An unusual case of thrombocytosis associated with concurrent cytomegalovirus and respiratory syncytial virus infection in an immunocompetent infant: possible roles of thrombopoietin and interleukin-6. *Journal of Infection*. 51, pp. 97-100.
- Alford C.A., Britt W.J. Cytomegalovirus. In: Roizman B, Whitley RJ, Lopez C, eds. *The Human Herpesviruses*. 1993. New York: *Raven Press*. pp. 227-255.
- Berk, P.D. & Noyer, C. 1994. Clinical chemistry and physiology of bilirubin. *Seminars in Liver Disease*. 4(4), pp. 346-55
- Bethesda, MD. 2013. Drug Information. *American Society of Health-System Pharmacists*. p. 790 from HSDB.
- Bethesda, MD. 2013. Drug Information. *American Society of Health-System Pharmacists*. p. 793 from HSDB.
- Bhatia, J., Shah, B.V., Mehta, A.P., Deshmukh, M., Sirsat, R.A., Rodrigues, C. 2004. Comparing serology, antigenemia assay and polymerase chain reaction for the diagnosis of cytomegalovirus infection in renal transplant patients. *Journal Association Physicians India*. 52, pp. 297-300.
- Bilavsky, E., Schwarz, M., Bar-Sever, Z., Pardo, J., & Amir, J. 2015. Hepatic involvement in congenital cytomegalovirus infection - infrequent yet significant. *Journal of Viral Hepatitis*. 22, pp. 763-768.
- Chapman, J., Azevedo, A.M. 2019. Splenomegaly. National Center for Biotechnology Information. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK430907/> [January 24, 2020]
- Cohen, J.A. & Kaplan, M.M. 1979. The SGOT/SGPT ratio--an indicator of alcoholic liver disease. *Digestive Disease & Science*. 24(11), pp.835-8.
- Distefano, A.L., Alonso, A., Martin, F., & Pardon, F. 2004. Human cytomegalovirus: detection of congenital and perinatal infection in Argentina. *Journal of BMC Pediatry*. 4(11).
- Doumas, B.T. & Peters, T. Jr. 1997. Serum and urine albumin: a progress report on their measurement and clinical significance. *Clinical Chimica Acta*. 258(1), pp. 3-20.
- Dufour, D.R. Liver disease. In: Carl AB, Edward RA, David EB editors, 2006. *Clinical chemistry and molecular diagnostics*. Fourth ed. Missouri: Elsevier saunders. pp. 1777-1827.



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- Dufour, D.R., Lott, J.A., Nolte, F.S., Gretch, D.R., Koff, R.S., Seeff, L.B. 2000. Diagnosis and monitoring of hepatic injury. *Journal of Clinical Chem.* 46(12), pp. 2027-49.
- Fevery, J. & Blanckaert, N. 1986. What can we learn from analysis of serum bilirubin? *Journal Hepatology.* 2(1), pp. 113-21.
- Fink, K.R., Thapa, M.M., Ishak, G.E., & Pruthi, S. 2010. Neuroimaging of Pediatric Central Nervous System Cytomegalovirus Infection. *Radiological Society of North America.* 30(7).
- Fischbach, F.T. & Dunning, M.B. 2009. *Manual of Laboratory & Diagnostic Tests.* 8th ed. Philadelphia: Lippincott Williams and Wilkins.
- Fischler, B., Papadogiannakis, N., & Nemeth, A. 2001. Aetiological factors in neonatal cholestasis. *Acta paediatrica* (Oslo, Norway : 1992). 90(1), pp. 88–92.
- Fishman, W.H. 1990. Alkaline phosphatase isozymes: recent progress. *Journal of Clinical Biochemistry.* 23(2), pp. 99-104.
- Gerna, G., Baldanti, F., & Revello, M. G. 2014. Pathogenesis of Human Cytomegalovirus Infection and Cellular Targets. *Human Immunology.* 65, pp. 381-386.
- Giannini, E., Botta, F., Fasoli, A., Romagnoli, P., Mastracci, L., Ceppa, P., Comino, I., Pasini, A., Risso, D., Testa, R. 2001. Increased levels of gammaGT suggest the presence of bile duct lesions in patients with chronic hepatitis C: absence of influence of HCV genotype, HCV-RNA serum levels, and HGV infection on this histological damage. *Digestive Disease & Science Journal.* 46(3), pp. 524-9.
- Gupta, P., Suryadevara, M., & Das, A. 2014. Cytomegalovirus-Induced Hepatitis in an Immunocompetent Patient. *American Journal Case Rep.* 15, pp. 447-449.
- Hall, P., & Johnny, C. 2014. What is the real function of the liver ‘function’ test. *Ulster Med Journal.* 81, pp. 30-36.
- Hasosah, M., Al-Amri, A., Alsahafi, A., Alghamdi, K., Kutbi, S., Sukkar, G. & Jacobson, K. 2012. Perinatal cytomegalovirus hepatitis in Saudi infants: A case series. *Saudi Journal of Gastroenterology.*
- Hild, W. J., Sobotta, J., Ferner, H., & Staubesand, J. 2006. *Sobotta atlas of human anatomy.* Munich: Urban & Fischer Verlag.
- Johnson, J., Anderson, B., & Pass, R. F., 2012. Prevention of maternal and congenital cytomegalovirus infection. *Clinical obstetrics and gynecology.* 55(2), pp. 521-30.
- Kadambari, S., Williams, E.J., Luck, S., Griffiths, P.D., & Sharland, M. 2011. Evidence based management guidelines for the detection and treatment of congenital CMV. *Early Human Dev.* 87(11), pp. 723-8.



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- Kimberlin, D.W., Lin, C.Y., Sanchez, P.J., Demmler, G.J., Dankner, W., & Shelton, M. 2003. Effect of ganciclovir therapy on hearing in symptomatic congenital cytomegalovirus disease involving the central nervous system : a randomized, controlled trial. *Journal of Pediatric.* 143(1), pp. 16-25.
- Kimberlin D.W. 2002. Antiviral therapy for cytomegalovirus infections in pediatric patients. *Semin Pediatric Infectious Disease.* 13 (1), pp. 22-30.
- Kumar, Abbas, Fausto. 2005. Robbins and Cotran Pathologic Basis of Disease. Pennsylvania: Elsevier. p. 655.
- Kurath, S., Halwachs-Baumann, G., Müller, W., & Resch, B. 2010. Transmission of cytomegalovirus via breast milk to the prematurely born infant: a systematic review. *Clinical Microbiology Infection.* 16, pp. 1172-8.
- Laskus T., Lupa E., Cianciara J., Slusarczyk J. 1990. Cytomegalovirus infection presenting as hepatitis. *Digestion.* 47, p. 16.
- Morton, C.C., & Nance, W.E. 2006. Newborn hearing screening--a silent revolution. *N England Journal Med.* 354(20), pp. 2151–2164.
- Moss, D.W. 1997. Physicochemical and pathophysiological factors in the release of membrane-bound alkaline phosphatase from cells. *Clinical Chimica Acta Journal.* 257(1), pp. 133-40.
- Netter, F. H. 2006. *Atlas of human anatomy.* Philadelphia : Elsevier.
- Noyola, D.E., Demmler, G.J., Nelson, C.T., Griesser, C., Williamson, D., & Atkins, J.T. 2001. Early predictors of neurodevelopmental outcome in symptomatic congenital cytomegalovirus infection. *The Journal of Pediatrics.* 138.
- Ozkan, T.B., Mistik, R., Dikici, B., & Ozturk N.H. 2007. Antiviral therapy in neonatal cholestatic cytomegalovirus hepatitis. *BioMedical Central Gastroenterology.* 7(9).
- Pagana, K.D. & Pagana, T.J. 2010. *Mosby's Manual of Diagnostic & Laboratory Test.* 4th ed. St. Louis, Mo: Mosby Elsevier.
- Papadopoulos, V., Filippou, D., Manolis, E., & Mimidis, K. 2007. Haemostasis Impairment in Patients with Obstructive Jaundice. *Journal of Gastrointestinal Liver Disease.* 16(2), pp. 177-186.
- Porada, G. & Ascensao, J. 1995. Cytomegalovirus as a Cause of Pancytopenia. *Leukemia and Lymphoma.* 21, pp. 217-223.
- Rej, R. 1989. Aminotransferases in disease. *Clinical Laboratory Medicine.* 9(4), pp. 667-87.
- Ramadori, G., Moriconi, F., Malik., I., Dudas, J. 2008. Physiology and Pathophysiology of Liver Inflammation, Damage, and Repair. *Journal of Physiology and Pharmacology.* 59(1), pp. 107-117.



- Revello, M.G. & Gerna, G. 2002. Diagnosis and management of human cytomegalovirus infection in the mother, fetus, and newborn infant. *Clinical Microbiology Review*. 15, pp. 680-715.
- Rosenthal, P. Neonatal hepatitis and congenital infections. In: Suchy F (ed). 2001. *Liver Disease in Children (2nd ed)*. Philadelphia: Lippincott William & Wilkins. Pp. 239-252.
- Rosida, A. 2016. Pemeriksaan Laboratorium Penyakit Hati. *Berkala Kedokteran*. 12 (1), pp. 123-131.
- Ross, S.A., & Boppana, S.B., 2005. Congenital cytomegalovirus infection: outcome and diagnosis. *Semin Pediatric Infectious Dis*. 16, pp. 44-9.
- Ross, S.A., Novak, Z., Pati, S., Boppana, S.B. 2011. Diagnosis of Cytomegalovirus Infection. *Infection Disorder Drug Targets*. 11(5), pp. 466-474.
- Rozen, P., Korn, R.J., Zimmerman, H.J. 1970. Computer analysis of liver function tests and their interrelationships in 347 cases of viral hepatitis. *Israel Journal of Medical Science*. 6(1), pp. 67-79.
- Schlaeger, R., Haux, P., Kattermann, R. 1982. Studies on the mechanism of the increase in serum alkaline phosphatase activity in cholestasis: significance of the hepatic bile acid concentration for the leakage of alkaline phosphatase from rat liver. *Enzyme*. 28(1), pp. 3-13.
- Sherlock, S., & Dooley J., 2002. *Diseases of the liver and biliary system*. United State of America: Blackwell publishing.
- Silbernagl, S. & Lang, F. 2010. Color Atlas of Pathophysiology. *Thieme Flexibook*, pp. 653-8.
- Sinzger, A. L., Bissinger, R., Viebahn, H., Oettle, C., Radke, C. A. Schmidt, & G. Jahn. 1999. Hepatocytes Are Permissive for Human Cytomegalovirus Infection in Human Liver Cell Culture and in vivo. *The Journal of Infectious Diseases*, 180(4), pp. 976-986
- Stagno S., Pass R.F., Cloud, G., et al. 1986. Primary cytomegalovirus infection in pregnancy. Incidence, transmission to fetus, and clinical outcome. *Jamaican*. 256(14), pp. 1904–1908.
- Suryaatmadja, M. 2009. Pemeriksaan laboratorium uji fungsi hati. *Buletin ABC*. 11, pp. 2-8.
- Swanson, E.C. & Schleiss, M.R. 2013. Congenital Cytomegalovirus Infection: New Prospects for Prevention and Therapy. *Pediatric Clinic North America*. 60(2). doi:10.1016/j.pcl.2012.12.008.
- Ten Napel, H.H, Houthoff H.J., The, T.H. 1984. Cytomegalovirus hepatitis in normal and immune compromised hosts. *Liver*. 4(3), pp. 184-94.



- Tezer, H., Kanık, Y. S., Gülhan, B., Parlakay, O., & Kırsaçlıoğlu, C.T. 2016. Cytomegalovirus hepatitis in 49 pediatric patients with normal immunity. *Turkish Journal of Medical Science.* 46(6), pp. 1629-1633
- To, K.W. & Nadel, A.J. 1989. *Graefe's Arch Clinical Exp. Ophthalmology.* 227, p. 535.
- Trincado, D.E. & Rawlinson, W.D. 2001. Congenital and perinatal infections with cytomegalovirus. *Journal Paediatric Child Health.* 37, pp. 187-192.
- Van Hoogstraten, P., Fevery, J., Blanckaert, N. 1985. Serum bilirubins in hepatobiliary disease: comparison with other liver function tests and changes in the postobstructive period. *Journal Hepatology.* 5(1), pp. 112-7.
- Verkerk, M. S. A., Visseren, F. L. J., Bouter, K. P., & Diepersloot, R. J. A. 2003. Acute-phase response of human hepatocytes after infection with Chlamydia pneumoniae and cytomegalovirus. *European Journal of Clinical Investigation.* 33, pp. 720–725.
- Vreman, H.J., Wong, R.J., Stevenson, D.K. 2000. Carbon monoxide in breath, blood, and other tissues. In: Penney DG, ed. *Carbon monoxide toxicity.* Boca Raton, Fla. CRC Press, pp. 22-30.
- Whitley R.J., Cloud G., Gruber W., et al. 1997. Ganciclovir treatment of symptomatic congenital cytomegalovirus infection: results of a phase II study. *NIAID Collaborative Antiviral Study Group. Journal of Infectious Disease.* 175 (5), pp. 1080-6.