

DAFTAR PUSTAKA

- Abbas, A.K., Lichtman, A.H., Pillai, S. 2006. *Cytokine* (5th ed.). Philadelphia, Pennsylvania. Elsevier Saunders;243-53, 281.
- Agarwal, R., Kapoor, S., Nagar, R., Misra, A., Tandon, R., Mathur, A., *et al.* 1999. A clinical study of the patients with dengue hemorrhagic fever during the epidemic of 1996 at Lucknow, India. *Southeast Asian J Trop Med Public Health*;30,735–740.
- Apple, F.S., Smith, S.W., Pearce, L.A., Ler, R., Murakami, M.M., Benoit, M.O., *et al.* 2008. Use of the bioMérieux VIDAS troponin I ultra assay for the diagnosis of myocardial infarction and detection of adverse events in patients presenting with symptoms suggestive of acute coronary syndrome. *Clin Chim Acta*;390(1-2),72-75.
- Aretz, H.T., Billingham, M.E., Edwards, W.D., Factor, S.M., Fallon, J.T., Fenoglio, J.J.Jr, Olsen, E.G., *et al.* 1987. Myocarditis. A histopathologic definition and classification. *Am J Cardiovasc Pathol*;1(1):3-14.
- Baratawidjaya, K.G. 2006. *Imunologi Dasar*, edisi 7. Balai Penerbit FK-UI. Jakarta.124-126.
- Bhatt, S., Gething, P.W., Brady, O.J., Messina, J.P., Farlow, A.W., Moyes, C.L., *et al.* 2013. The global distribution and burden of dengue. *Nature*;496,504-507.
- Calabrese, F., Rigo, E., Milanese, O., Boffa, G.M., Angelini, A., Valente, M., *et al.* 2002. Molecular diagnosis of myocarditis and dilated cardiomyopathy in children: clinicopathologic features and prognostic implications. *Diagn Mol Pathol*;11(4),212-221.
- Carlos, C.C., Oishi, K., Cinco, M.T.D.D., Mapua, C.A., Inoue, S., John, D., *et al.* 2005. Comparison of clinical and hematologic between dengue fever and dengue hemorrhagic fever among children in the Philippines. *Am J Trop Med Hyg*;73 (71),425-440.
- Chagnon, F., Metz, C.N., Bucala, R., Lesur, O. 2005. Endotoxin-induced myocardial dysfunction: effects of macrophage migration inhibitory factor neutralization. *Circ Res*;96,1095–1102.
- Chau, T.N., Quyen, N.T., Thuy, T.T., Tuan, N.M., Hoang, D.M., Dung, N.T., *et al.* 2008. Dengue in Vietnamese infants - results of infection-enhancement assays correlate with age-related disease epidemiology, and cellular immune responses correlate with disease severity. *J Infect Dis*;198,516–524.
- de Araújo, J. M. Schatzmayr, H.G., de Flippis, A.M., Dos Santos, F.B., Cardoso, M.A., Britto, C., *et al.* 2009. A retrospective survey of dengue virus infection in fatal cases from an epidemic in Brazil. *J Virol Methods*;155,34–38.

- Ditjen PP & PL Kementerian Kesehatan Republik Indonesia. 2014. Profil Kesehatan Indonesia tahun 2013. Kementerian Kesehatan Republik Indonesia.
- Eisenberg, M.A., Green-Hopkins, I., Alexander, M.E., Chiang, V.W. 2012. Cardiac troponin T as a screening test for myocarditis in children. *Pediatr Emerg Care*; 28(11),1173-1178.
- Falahati, A., Sharkey, S.W., Christensen, D., McCoy, M., Miller, EA., Murakami, M.A., *et al.* 1999. Implementation of serum cardiac troponin I as marker for detection of acute myocardial infarction. *Am Heart J*;137(2),332-337.
- Fogoros, R.N. 2008. *Cardiac enzymes and heart attacks*. About.com. Heart Health Center.
- Fowles, R.E., Mason, J.W. 1984. Role of cardiac biopsy in the diagnosis and management of cardiac disease. *Prog Cardiovasc Dis*;27,153-172.
- Freedman, S.B., Haladyn, J.K., Floh, A., Kirsh, J.A., Taylor, G., Thull-Freedman, J. 2007. Pediatric myocarditis: emergency department clinical findings and diagnostic evaluation. *Pediatrics*;120(6),1278-1285.
- Friedman, R.A. Myocarditis. In: Garson A., Bricher J.T., McNamara D.G. (eds). 1990. The science and practice of pediatric cardiology. Lea &Febiger. Philadelphia;1577–1589.
- Friedman, R.A., Kearney, D.L., Moak, J.P., Fenrich, A.L., Perry, J.C. 1994. Persistence of ventricular arrhythmia after resolution of occult myocarditis in children and young adults. *J Am Coll Cardiol*;24:780-783.
- Gupta, V.K., Gadpayle, A.K. 2010. Subclinical cardiac involvement in dengue hemorrhagic fever. *J Indian Acad Clin Med*;2(2),107-111.
- Gulati, S., Maheshwari, A. 2007. Atypical manifestations of dengue. *Trop Med Int Health*;12(9),1087 – 1095.
- Halstead, Scott B. 1989. Antibody, macrophages, dengue virus infection, shock and hemorrhage: a pathogenetic cascade. *Rev Infect Dis*; 11 (Suppl.4): S830-S839.
- Hammond, S.N., Balmaseda, A., Perez, L., Tellez, Y., Saborio, S.I., Mercado, J.C., *et al.* 2005. Differences in dengue severity in infants, children and adults in 3 years hospital based-study in Nicaragua. *Am J Trop Med Hyg*;73(6),1063-1070.
- Hsiao, J.F., Koshino, Y., Bonnicksen, C.R., Yu, Y., Miller, F.A., Jr., Pelikka, P.A., *et al.* 2013. Speckle tracking echocardiography in acute myocarditis. *Int J Cardioasc Imaging*;29(2),275-284.
- Iskandar, B., Juherinah, Daud, D., Febriani, A.D.B. 2015. The levels of Troponin T in patients with dengue hemorrhagic fever. *Am J Clin Exp Med*;3(4),149-153.
- Juffrie, M., Meer, G.M., Hack, H.E., Haasnoot, K., Sutaryo, Veerman, A.J., *et al.*

2000. Inflammatory mediators in dengue virus infection in children: interleukin-8 and its relationship to neutrophil degranulation. *Infect Immun*;68(2),702-707.
- Kabra, S.K., Jain, Y., Pandey, R.M., Madhulika, Singhal, T., Tripathi, P., *et al.* 1999. Dengue haemorrhagic fever in children in the 1996 Delhi epidemic. *Trans R Soc Trop Med Hyg*;93(3),294-298.
- Kamath, S., Ranjit, S. 2006. Clinical features, complications and atypical manifestations of children with severe forms of dengue hemorrhagic fever in South India. *Indian J Pediatr*;73,889-895.
- Kaushik, J.S., Gupta, P., Rajpal, S., Bhatt, S. 2010. Spontaneous resolution of sinoatrial exit block and atrioventricular dissociation in a child with dengue fever. *Sing Med J*;51,146-148.
- Khongphatthallayothin, A., Chotivitayatarakorn, P., Somchit, S., Mitprasart, A., Sakolsattayadorn, S., Thisyakorn, C. 2000. Mobitz type I second degree AV block during recovery from dengue hemorrhagic fever. *Southeast Asian J of Trop Med Public Health*;31,642-655.
- Kindermann, I., Barth, C., Mahfoud, F., Ukena, C., Lenski, M., Yilmaz, A., *et al.* 2012. Update on myocarditis. *J Am Coll Cardiol*;59,779-792.
- Kularatne, S.A., Gawarammana, I.B., Kumarasiri, P.R. 2005. Epidemiology, clinical features, laboratory investigations and early diagnosis of dengue fever in adults: a descriptive study in Sri Lanka. *Southeast Asian J of Trop Med & Pub Health*; 36,686-692.
- Kularatne, S.A., Pathirage, M.M., Kumarasiri, P.V., Gunasena, S., Mahindawanse, S.I. 2007. Cardiac complications of a dengue fever outbreak in Sri Lanka, 2005. *Trans R Soc Trop Med Hyg*;101,804-808.
- Kumar, A., Thota, V., Dee, L., Olson, J., Uretz, E., Parillo, J.E. 1996. Tumor necrosis factor alpha and interleukin1beta are responsible for in vitro myocardial cell depression induced by human septic shock serum. *J Exp Med*;183,949-958.
- La-Orkhun, V., Supachokchaiwattana, P., Lertsapcharoen, P., Khongphatthanayothin, A. 2011. Spectrum of cardiac rhythm abnormalities and heart rate variability during the convalescent stage of dengue virus infection: a Holter study. *An Trop Paed*;31,123-128.
- Lateef, A., Fisher, D.A., Tambyah, P.A. 2007. Dengue and relative bradycardia. *Emerg Infect Dis*;13,650-601.
- Lemeshow, S., Hosmer Jr, D.W., Klar, J., Lwanga, S.K. 1990. Adequacy of sample size in health studies. World Health Organization. John Wiley & Sons Ltd. England;7,36-38.
- Levi, D., Alejos, J. 2001. Diagnosis and treatment of pediatric viral

- myocarditis. *Curr Opin Cardiol*;16,77–83.
- Maitland, K., Kiguli, S., Opoka, R.O., Engoru, C., Olupot-Olupot, P, Akech, S.O., *et al.* 2011. Mortality after fluid bolus in African children with severe infection. *N Engl J Med*;364:2483-2495.
- Mason, J.W., O’Connell, J.B., Herskowitz, A., Rose, N.R., McManus, B.M., Billingham, M.E., Moon, T.E. 1995. A clinical trial of immunosuppressive therapy for myocarditis. *N Engl J Med*;333,269-75.
- Mendez, A., Gonzalez, G. 2003. Dengue hemorrhagic fever in children: ten year of clinical experience. *Biomedica*;23,180-193.
- Mendez, A., Gonzalez, G. 2006. Abnormal clinical manifestations of dengue hemorrhagic fever in children. *Biomedica*;26,61-70.
- Miranda, C.H., Borges, M.C., Matsuno, A.K., Vilar, F.C., Gali, L.G., Volpe, G.J., *et al.* 2013. Evaluation of cardiac involvement during dengue viral infection. *Clin Infect Dis*;57(6),812–819.
- Nagaratnam, N., Siripala, K., de Silva, N. 1973. Arbovirus (dengue type) as a cause of acute myocarditis and pericarditis. *Brit Heart J*;35,204-206.
- Nguyen, T.H., Lei, H.Y., Nguyen, T.L., Lin, Y.S., Huang, K.J., Le, B.L., *et al.* 2004. Dengue hemorrhagic fever in infants: a study of clinical and cytokine profiles. *J Infect Dis*;189,221–232.
- Obeyesekere, I., Hermon Y. 1972. Myocarditis and cardiomyopathy after arbovirus infections (dengue and chikungunya fever). *Brit Heart J*;34,821-827.
- Obeyesekere, I., Hermon, Y. 1973. Arbovirus heart disease: myocarditis and cardiomyopathy following dengue and chikungunya fever--a follow-up study. *Am Heart J*;85,186-194.
- Pang, T., Cardosa, M.J., Guzman, M.G. 2007. Of cascades and perfect storms: the immunopathogenesis of dengue haemorrhagic fever-dengue shock syndrome (DHF/DSS). *Immunol Cell Biol*;85,43–45.
- Parillo, J.E., Aretz, H.T., Palacios, I., Fallon, J.T., Block, P.C. 1984. The results of transvenous endomyocardial biopsy can frequently be used to diagnose myocardial disease in patients with idiopathic heart failure. Endomyocardial biopsies in 100 consecutive patients revealed a substantial incidence of myocarditis. *Circulation*;69(1),93-101.
- Park, M.K., Troxler, R.G. 2002. *Pediatric Cardiology for Practitioners*. 4th ed. (pp. 289-290). St Louis, MO: Mosby.
- Pathan, N., Hemingway, C.A., Alizadeh, A.A., Stephens, A.C., Boldrick JC, Oragui, E.E., *et al.* 2004. Role of interleukin 6 in myocardial dysfunction of meningococcal septic shock. *Lancet*;363,203–209.
- Permpalung, N., Pitisuttithum, P., Torvorapanit, P., Kittithamsvongs, P.,

- Thisyakorn, U. 2009. Initial fluid resuscitation for children with dengue shock syndrome : a systematic review. *Asian Biomedicine*;3(6),579-588.
- Pongpanich, B., Kumponpant, S. 1973. Studies of dengue hemorrhagic fever. V. Hemodynamic studies of clinical shock associated with dengue hemorrhagic fever. *J Pediatrics*;83,1073-1077.
- Rosita, R. 2005. Pedoman tatalaksana klinis infeksi dengue di sarana pelayanan kesehatan. Depkes RI.
- Salgado, D.M., Rodriguez, J.A., Garzon, M., Cifuentes, G., Ibarra, M., Vega, M.R., Castro, D. 2007. Clinical and epidemiological characterisation of dengue haemorrhagic fever in Neiva, Colombia, 2004. *Rev Salud Pub*;9,53-63.
- Salgado, D.M., Eltit, J.M., Mansfield, K., Panqueba, C., Castro, D., Vega, M.R., et al. 2010. Heart and skeletal muscles are targets of dengue virus infection. *Pediatr Infec Dis J*;29:238-242.
- Sengupta, S.P., Nugurwar, A., Jaju, R., Khandheria, B.K. 2013. Left ventricular myocardial performance in patients with dengue hemorrhagic fever and thrombocytopenia as assessed by two-dimensional speckle tracking echocardiography. *Indian Heart J*;65,276-282.
- Simmons, C.P., Dong, T., Chau, N.V., Dung, N.T., Chau, T.N., Thao Le, T.T., et al. 2005. Early T-cell responses to dengue virus epitopes in Vietnamese adults with secondary dengue virus infections. *J Virol*;79:5665–5675.
- Sudarmo SSP. 1988. Demam Berdarah Dengue pada Anak . Penerbit UI. Jakarta. pp. 4-66
- Soegijanto S. 2006. Patogenesis dan Perubahan Patofisiologi Infeksi Virus Dengue. pp 1-15. (cited 2010 Okt 19). Available from URL : <http://www.pediatrik.com>.
- Supachokchaiwattana, R., La-orkhum, Y., Arj-ong, S., Sirichonkolthong, B., Lertsapcharoen, P., Khongphatthanayothin, A. 2007. Reversible impairment of global cardiac function during toxic stage of dengue hemonhagic fever and dengue shock syndrome. *Thai heart J*;20:180-187.
- Suroso T. 2003. Pencegahan dan penanggulangan penyakit demam dengue dan demam berdarah dengue. Depkes RI.
- Sutaryo. 1999. Perkembangan Patogenesis Demam Berdarah Dengue, dalam : Hadinegoro, S.R.H., dan Satari, H.I., (Eds.). Demam berdarah dengue : Naskah lengkap pelatihan bagi Dokter Spesialis Anak dan Dokter Spesialis Penyakit Dalam dalam Tatalaksana kasus DBD (pp. 32-43). BP FKUI, Jakarta.
- Szalai, G., Krishnamurthy, R., Hajnockzky, G. 1999. Apoptosis driven by IP(3)-linked mitochondrial calcium signals. *EMBO J*; 18,6349-6361.
- Thomas, L., Müller, M., Schumann, G., Weidemann, G., Klein, G., Lunau, S., et

- al.* 2005. Consensus of DGKL and VDPH for interim reference intervals on enzymes in serum. *J Lab Med*;29,301-308.
- Uhl, T.L. 2008. Viral myocarditis in children. *Crit Care Nurse*;28:42-63.
- Wiwanitkit, V. 2006. Dengue myocarditis, rare but not fatal manifestation. *Int J Cardiol*;112:122.
- Wali, J.P., Biswas, A., Chandra, S., Malhotra, A., Aggarwal, P., Handa, R., *et al.* 1998. Cardiac involvement in dengue hemorrhagic fever. *Int J Cardiol*;64,31-36.
- WHO. 2007. Report of the Scientific Working Group on dengue, 1-5 October 2006. World Health Organization. Geneva.
- World Health Organization. 2009. Dengue, guidelines for diagnosis, treatment, prevention and control, New edition ((pp.1-11, 24-24, 89-102). WHO/TDR.
- World Health Organization. 2011. Comprehensive guidelines for prevention and control of dengue and dengue haemorrhagic fever, revised and expanded edition.
- Yacoub, S., Wertheim, H., Simmons, C.P., Screaton, G., Wills, B. 2014. Cardiovascular manifestations of the emerging dengue pandemic. *Nat Rev Cardiol*;11,335–345.
- Yacoub, S., Griffiths, A., Chau, T.T., Simmons, C.P., Wills, B., Hien, T.T., *et al.* 2012. Cardiac function in Vietnamese patients with different dengue severity grades. *Crit Care Med*;40(2):477–483.