

DAFTAR PUSTAKA

- Abidi, K. *et al.* (2008) 'Eosinopenia is a reliable marker of sepsis on admission to medical intensive care units', *Critical Care*, 12(2). doi: 10.1186/cc6883.
- Ata, A., Anil, M. And Kasirga, E. (2022) 'The role of eosinopenia in the diagnosis of bacterial infection in children', *Pamukkale Medical Journal*, 0923, pp. 467–473. doi: 10.31362/patd.1021300.
- Bass, D. A. *et al.* (1980) 'Eosinopenia of acute infection. Production of eosinopenia by chemotactic factors of acute inflammation', *Journal of Clinical Investigation*, 65(6), pp. 1265–1271. doi: 10.1172/JCI109789.
- Bendel, S. *et al.* (2008) 'Free cortisol in sepsis and septic shock', *Anesthesia and Analgesia*, 106(6), pp. 1813–1819. doi: 10.1213/ane.0b013e318172fdbd.
- Bhimma, R., Coovadia, H. M. and Adhikari, M. (1997) 'Nephrotic syndrome in South African children: Changing perspectives over 20 years', *Pediatric Nephrology*, 11(4), pp. 429–434. doi: 10.1007/s004670050310.
- Bierley J, Carcillo JA, Choong K, Cornell T, DeCaen A, Deymann A, *et al.* update from the A. C. Of C. C. M. C. C. M. (2009) 'Clinical practice parameters for hemodynamic support of pediatric and neonatal septic shock', 37, pp. 666–68.
- Bindl, L. *et al.* (2003) 'Gender-based differences in children with sepsis and ARDS: The ESPNIC ARDS Database Group', *Intensive Care Medicine*, 29(10), pp. 1770–1773. doi: 10.1007/s00134-003-1948-z.
- Braamskamp, M. J. A. M., Dolman, K. M. and Tabbers, M. M. (2010) 'Clinical practice: Protein-losing enteropathy in children', *European Journal of Pediatrics*, 169(10), pp. 1179–1185. doi: 10.1007/s00431-010-1235-2.
- Burkovskiy, I. *et al.* (2013) 'Cytokine release in sepsis', *Advances in Bioscience and Biotechnology*, 04(09), pp. 860–865. doi: 10.4236/abb.2013.49114.
- By A. Gorman Hilr.S, M.D. (1948) 'Changes In Circulating Leukocytes Induced By The Administration Of Pituitary Adrenocorticotrophic Hormone (Acth) In Man', *blood*, 3, p. 755.
- Corish, C. A. and Kennedy, N. P. (2000) 'Review article Protein ± energy undernutrition in hospital in-patients'.
- Correia, M. I. T. D. and Waitzberg, D. A. N. L. (2003) 'The impact of malnutrition on morbidity , mortality , length of hospital stay and costs evaluated through a multivariate model analysis', 22, pp. 235–239. doi: 10.1016/S0261-5614(02)00215-7.
- Cristofaro, P. A. *et al.* (2006) 'WAY-202196, a selective estrogen receptor-beta agonist, protects against death in experimental septic shock', *Critical Care Medicine*, 34(8), pp. 2188–2193. doi: 10.1097/01.CCM.0000227173.13497.56.
- Debray, A. *et al.* (2019) 'Eosinopenia as a marker of diagnosis and prognostic to distinguish bacterial from aseptic meningitis in pediatrics', *European Journal of Clinical Microbiology and Infectious Diseases*. *European Journal of Clinical Microbiology & Infectious Diseases*, 38(10), pp. 1821–1827. doi: 10.1007/s10096-019-03614-y.
- Al Duhailib, Z. *et al.* (2021) 'The role of eosinophils in sepsis and acute respiratory distress syndrome: a scoping review', *Canadian Journal of Anesthesia*. Springer International Publishing, 68(5), pp. 715–726. doi: 10.1007/s12630-021-01920-8.

- Ehrhardt, V. (2008) 'for Adults and Children Heil / Ehrhardt · Reference Ranges for Adults and Children 2008 Pre-Analytical Considerations Preface , 9 th Edition'.
- Eko Putri Rahajeng¹, Irda Handayani, Tenri Esa, U. B. (2020) 'Analisis Laktat, Albumin dan Rasio Laktat Albumin Sebagai Di, Prediktor Luaran Pada Pasien Sepsis dan Syok Septik Makassar, RSUP Dr. Wahidin Sudirohusodo', 9.
- Fernanda De Souza Menezes R *et al.* (2012) 'Malnutrition as an independent predictor of clinical outcome in critically ill children', *Nutrition*. Elsevier Inc., 28(3), pp. 267–270. doi: 10.1016/j.nut.2011.05.015.
- Filho, R. R. *et al.* (2016) 'Blood lactate levels cutoff and mortality prediction in sepsis - Time for a reappraisal? A retrospective cohort study', *Shock*, 46(5), pp. 480–485. doi: 10.1097/SHK.0000000000000667.
- Fisher JD, Nelson DG, Beyersdorf H, S. L. (2010) 'Clinical spectrum of shock in the pediatric emergency department', *Pediatr Emerg Care.*, 26, pp. 622–5.
- Flier, J. S., Underhill, L. H. and Chrousos, G. P. (1995) 'The hypothalamic—pituitary—adrenal axis and immune-mediated inflammation', *New England Journal of Medicine*, 332(20), pp. 1351–1363. doi: 10.1056/NEJM199505183322008.
- Garcia-alvarez, M., Marik, P. and Bellomo, R. (2014) 'Sepsis-associated hyperlactatemia', pp. 1–11.
- Garnacho-Montero, J., Huici-Moreno, M. J., Gutiérrez-Pizarra, A., López, I., MárquezVácaro, J., Macher, H., Puppo-Moreno, A. (2014) 'Prognostic and diagnostic value of eosinopenia, C-reactive protein, procalcitonin, and circulating cell-free DNA in critically ill patients admitted with suspicion of sepsis', *Critical Care*, 18(3), p. R116.
- Giembycz MA, L. M. (1999) 'Pharmacology of the eosinophil', *Pharm Rev*, 51(2), pp. 213–339.
- Gleich, G. J. (2000) 'Mechanisms of eosinophil-associated inflammation', *Journal of Allergy and Clinical Immunology*, 105(4), pp. 651–663. doi: 10.1067/mai.2000.105712.
- Haman, K. *et al.* (1991) 'The molecular biology of eosinophil granule proteins', *International Archives of Allergy and Immunology*, 94(1–4), pp. 202–209. doi: 10.1159/000235362.
- Hoffmann, A. (2005) 'Systems Biology of Immune Responses', *Department of Microbiology, Immunology and Molecular Genetics 609 Charles E. Young Dr. East, 1602 Molecular Science Building, Los Angeles, CA*, pp. 90095–1489.
- Huang, H. *et al.* (2022) 'Comparing outcomes between culture-positive and culture-negative septic shock in a PICU: A retrospective cohort study', *Frontiers in Pediatrics*, 10(October), pp. 1–9. doi: 10.3389/fped.2022.1001565.
- Illegas, D. O. V *et al.* (2010) 'Factors associated with mortality through sepsis syndrome in children 31 days to 14 years of age . Hospital Universitario del Valle , Cali Colombia Médica', 41, pp. 349–357.
- Kakihana, Y. *et al.* (2016) 'Sepsis-induced myocardial dysfunction: Pathophysiology and management', *Journal of Intensive Care*. Journal of Intensive Care, 4(1), pp. 1–10. doi: 10.1186/s40560-016-0148-1.
- Kang, C. I. *et al.* (2011) 'Risk factors and pathogenic significance of severe sepsis and septic shock in 2286 patients with gram-negative bacteremia', *Journal of Infection*. Elsevier Ltd, 62(1), pp. 26–33. doi: 10.1016/j.jinf.2010.10.010.
- Kellgren, J. H., and O. J. (1951) 'The Eosinopenic Response to Cortisone and ACTH in Normal Subjects. ', *British Medical Journal*, 2, pp. 1183-1187 Nov. 17.
- Kim, Y. H. *et al.* (2013) 'Prognostic usefulness of eosinopenia in the pediatric intensive: Care

- unit', *Journal of Korean Medical Science*, 28(1), pp. 114–119. doi: 10.3346/jkms.2013.28.1.114.
- Kumar, A. *et al.* (1999) 'Role of nitric oxide and cGMP in human septic serum-induced depression of cardiac myocyte contractility', *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, 276(1 45-1). doi: 10.1152/ajpregu.1999.276.1.r265.
- Kutko, M. C. *et al.* (2003) 'Mortality rates in pediatric septic shock with and without multiple organ system failure', *Pediatric Critical Care Medicine*, 4(3), pp. 333–337. doi: 10.1097/01.PCC.0000074266.10576.9B.
- Latief, A. *et al.* (2016) 'Konsensus diagnosis dan tata laksana sepsis pada anak', *Badan Penerbit IDAI*, pp. 1–47.
- Levitt, D. G. and Levitt, M. D. (2016) 'Human serum albumin homeostasis: A new look at the roles of synthesis, catabolism, renal and gastrointestinal excretion, and the clinical value of serum albumin measurements', *International Journal of General Medicine*, 9, pp. 229–255. doi: 10.2147/IJGM.S102819.
- Li, P. *et al.* (1995) 'Mice deficient in IL-1 β -converting enzyme are defective in production of mature IL-1 β and resistant to endotoxic shock', *Cell*, 80(3), pp. 401–411. doi: 10.1016/0092-8674(95)90490-5.
- Lichtenauer, M. *et al.* (2017) 'The lactate/albumin ratio: A valuable tool for risk stratification in septic patients admitted to ICU', *International Journal of Molecular Sciences*, 18(9), pp. 1–9. doi: 10.3390/ijms18091893.
- Lin, Y., Rong, J. and Zhang, Z. (2021) 'Silent existence of eosinopenia in sepsis: a systematic review and meta-analysis', *BMC Infectious Diseases*. BMC Infectious Diseases, 21(1), pp. 1–10. doi: 10.1186/s12879-021-06150-3.
- Marantika, T. J. V and Hutagalung, I. (2019) 'Gambaran Kadar Eosinofil Pada Pasien Sepsis Neonatorum Preview Of Eosinophil Percentage Of Neonatal Sepsis Patient', 1(April).
- Martin, G. S. *et al.* (2003) 'The epidemiology of sepsis in the United States from 1979 through 2000', *New England Journal of Medicine*, 348(16), pp. 1546–1554. doi: 10.1056/NEJMoa022139.
- Mayr, F. B., Yende, S. and Angus, D. C. (2014) 'Epidemiology of severe sepsis', *Virulence*, 5(1), pp. 4–11. doi: 10.4161/viru.27372.
- Nduka (2009) . 'The pathophysiology of septic shock. Crit Care Clin ', *The pathophysiology of septic shock. Crit Care Clin* ;, 25, pp. 677–702.
- Ogston, S. A. *et al.* (1991) 'Adequacy of Sample Size in Health Studies.', *Biometrics*, 47(1), p. 347. doi: 10.2307/2532527.
- Permenkes RI no 2 (2020) *Standar Antropometri Anak*.
- Remick, D. G. (2007) 'Pathophysiology of sepsis', *American Journal of Pathology*. American Society for Investigative Pathology, 170(5), pp. 1435–1444. doi: 10.2353/ajpath.2007.060872.
- Rosenberg, H. F., Dyer, K. D. and Foster, P. S. (2013) 'Eosinophils: Changing perspectives in health and disease', *Nature Reviews Immunology*. Nature Publishing Group, 13(1), pp. 9–22. doi: 10.1038/nri3341.
- Rothenberg ME, H. S. (2006) 'The eosinophil. Annu Rev Immunol', 24, pp. 147–74.
- Runtuuwu, A. L., Irene, J. and Manoppo, C. (2010) 'Paediatrica Indonesiana', 50(4), pp. 226–232.
- Rusmawatingtyas, D. and Nurnaningsih, N. (2017) 'Mortality rates in pediatric septic shock',

Paediatrica Indonesiana, 56(5), p. 304. doi: 10.14238/pi56.5.2016.304-10.

- Sabag, N., Castrillon, M. A. and Tchernitchin, A. (1978) 'Cortisol-induced migration of eosinophil leukocytes to target organs', *Journal of Steroid Biochemistry*, 9(9), p. 841. doi: 10.1016/0022-4731(78)90834-8.
- Saraswati, D. D. *et al.* (2014) 'Faktor Risiko yang Berperan pada Mortalitas Sepsis', 15(5), pp. 281–288.
- SARI, T. N. (2020) *Eosinopenia Sebagai Faktor Prognostik Mortalitas Pada Pasien Sepsis Di Rsup Dr. Sardjito*. Gadjah Mada University.
- Seo, M. H. *et al.* (2016) 'Hypoalbuminemia, low base excess values, and tachypnea predict 28-day mortality in severe sepsis and septic shock patients in the emergency department', *Yonsei Medical Journal*, 57(6), pp. 1361–1369. doi: 10.3349/ymj.2016.57.6.1361.
- Singer M, Deutschman CS, S. C. (2016) 'The third Shock, international consensus definitions for sepsis and septic', *JAMA*, 315, pp. 801–10, (sepsis-3).
- Soeters, P. B., Wolfe, R. R. and Shenkin, A. (2019) 'Hypoalbuminemia: Pathogenesis and Clinical Significance', *Journal of Parenteral and Enteral Nutrition*, 43(2), pp. 181–193. doi: 10.1002/jpen.1451.
- Stoclet, J. C. *et al.* (1998) 'Overproduction of nitric oxide in pathophysiology of blood vessels', *Biokhimiya*, 63(7), pp. 976–983.
- Tahmasebi, H. *et al.* (2020) 'Improving laboratory test interpretation in children (Beckman Coulter DxH 900–Core Laboratory Hematology System)', *American Journal of Clinical Pathology*, 154(3), pp. 330–341. doi: 10.1093/AJCP/AQAA059.
- Tchernitchin, X., Tchernitchin, A. And Galand, P. (1976) 'Dynamics of Eosinophils in the Uterus after Oestrogen Administration', *Differentiation*, 5(2–3), pp. 151–154. doi: 10.1111/j.1432-0436.1976.tb00906.x.
- Thapa, S., Prasad, P. and Shakya, Y. (2017) 'Serum Lactate Albumin Ratio as a Predictor of Mortality in Severe Sepsis and Septic Shock at Tribhuvan University Teaching Hospital, Kathmandu', *Birat Journal of Health Sciences*, 2(2), pp. 191–195. doi: 10.3126/bjhs.v2i2.18525.
- Tiwari, L. *et al.* (2014) 'Hypoalbuminemia in critically sick children', *Indian Journal of Critical Care Medicine*, 18(9), pp. 565–569. doi: 10.4103/0972-5229.140143.
- Turner D, C. I. (2016) 'Shock.', *Dalam: Kliegman R, Stanton B Geme J, Schor N, penyunting. Nelson textbook of pediatrics*. Philadelphia: Elsevier, Edisi 20, p. h.516-28.
- Uddin Ahmed, M. *et al.* (2021) 'Eosinopenia as a Marker of Sepsis in Intensive Care Unit Patients', *Journal of Clinical and Laboratory Research*, 3(2), pp. 01–04. doi: 10.31579/2768-0487/038.
- Vincent J.L. Moreno R., Takala S.J., Willatts A., De Mendonça H., Bruining C.K., Reinhart P.M., Suter L., T. G. (1996) 'The SOFA (Sepsis-related Organ Failure Assessment) score to describe organ dysfunction/failure On behalf of the Working Group on Sepsis Related Problems of the European Society of Intensive Care Medicine', *Intensive Care Med*, 22:, pp. 707–710.
- W VanHeel, S. J. H. (2008) 'Eosinopenia As An Early Marker Of Severe Bacterial Infection In Children', *British Medical Journal*, 93(suppl 2).
- Wati, D. K. *et al.* (2019) 'Profil Sepsis Anak di', *Sari Pediatri*, 21(3), pp. 152–158.
- Watson, R. S. *et al.* (2003) 'The epidemiology of severe sepsis in children in the United States', *American Journal of Respiratory and Critical Care Medicine*, 167(5), pp. 695–701. doi: 10.1164/rccm.200207-682OC.



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- Wynn, J. *et al.* (2014) 'The Host Response to Sepsis and Developmental Impact'. doi: 10.1542/peds.2009-3301.
- Yefta EK, Yuniati T, R. S. (2009) 'Validitas eosinopenia sebagai penanda diagnosis pada sepsis neonatal bakterialis', *Maj Kedokt Indon*, 59(12), pp. 601–6.
- Yin, M. *et al.* (2018) 'Predictive Value of Serum Albumin Level for the Prognosis of Severe Sepsis Without Exogenous Human Albumin Administration: A Prospective Cohort Study', *Journal of Intensive Care Medicine*, 33(12), pp. 687–694. doi: 10.1177/0885066616685300.
- Yong, S. K. *et al.* (2007) 'Basal serum cortisol levels are not predictive of response to corticotropin but have prognostic significance in patients with septic shock', *Journal of Korean Medical Science*, 22(3), pp. 470–475. doi: 10.3346/jkms.2007.22.3.470.
- Zimmerman, J. J. (2015) 'Pediatric Sepsis from Start to Finish', *Pediatric Critical Care Medicine*, 16(5), pp. 479–480. doi: 10.1097/PCC.0000000000000389.