

DAFTAR PUSTAKA

- Abushady, N. M. and Mohamed, T. 2015. Increased myeloperoxidase activity as an indicator of neutrophil-induced inflammation and sepsis in neonates, *Egypt J.Pediatr.Allergy Immunol*, 13(1): 15–20.
- Adriani, R., Yantri, E. and Mariko, R. 2018. Peran Sistem Skoring Hematologi dalam Diagnosis Awal Sepsis Neonatorum Awitan Dini', *Sari Pediatr*, 20(1):17.
- Arnhold, J. 2020. The Dual Role of Myeloperoxidase in Immune Response, *Int J. Mol. Sci.*21(8057): 1-28.
- Bhalodia, M. J., Hippargi, S. B. and Patil, M. . 2017. Role of Hematological Scoring System in Diagnosis of Neonatal Sepsis, *J. Clin. Neonatol.* 1–4
- Bujang, M. A. and Adnan, T. H. 2016. Requirements for minimum sample size for sensitivity and specificity analysis. *J Clin Diagnostic Res*, 10(10): 1-6.
- Cantey, J. B. 2019. The spartacus problem: Diagnostic inefficiency of neonatal sepsis. *Pediatrics*. 144(5): 2019–2022.
- Cha, Y. S., Yoon, J.M., Jung, W.J., Kim, Y.W., Kim, T.H., Kim, O.H., Cha, K.C., Kim, H., Hwang, S.O., Lee, K.H. 2015. Evaluation of usefulness of myeloperoxidase index (MPXI) for differential diagnosis of systemic inflammatory response syndrome (SIRS) in the emergency department. *Emerg Med. J*, 32(4): 304–307.
- Choudhary, R.R., Makwana, M., Mourya, H.K., Dabi, J., Gulati, K.,. 2018. Evaluation of platelet and its indices as a marker of neonatal sepsis: a prospective case control study. *Int J Contemp Pediatr*, 5(5): 1898.
- Christensen, R. D. and Rothstein, G. 1985. Neutrophil Myeloperoxidase Concentration . *Pediatr Res*, 19(12):1278–1282.
- Dahlan, M. S. 2009. *Besar sampel dan cara pengambilan sampel dalam penelitian kedokteran dan kesehatan*. 3rd ed. Jakarta: Salemba Medika.
- Demisse, A. G., Yimer, M.A., Mekasha, A., Worku, A., Gebremedhin, A.D., McClure, E.M., Nigussie, A.K., Worku, B., Gidi, N.W., Metaferia, G., 2020. Hematologic Profiles of Ethiopian Preterm Infants With Clinical Diagnoses of Early-Onset Sepsis , Perinatal Asphyxia , and Respiratory Distress Syndrome. *Glob Pediatr Heal*, 7: 1–8.
- De Prost, N., Razazi, K., Brun-Buisson, C, 2013. Unrevealing culture-negative severe sepsis. *Critical Care*, 17(1001):1-2.
- Faden, H. S. 1984. Effects of Antibiotics on Neutrophil Functions. *Clin Immunol Newsl*, 5(1972): 161–164.
- Glaser, M. A., Hughes, L.M., Jnah, A., Newberry, D., 2020. Neonatal Sepsis : A Review of Pathophysiology and Current Management Strategies. *Adv Neonatal Care*, 00(0): 1–12.
- Gleghorn, D. M. 2020. Prevalence of myeloperoxidase deficiency determined using an ADVIA 2120i. *Int J Lab Hematol.*, 00: 1–4.
- Han, I. Arifoglu, I., Arslan, Z., Aksu, G., Yagmur, A., Demirel, N., 2019. The value of delta neutrophil index in neonatal sepsis diagnosis , follow-up and mortality prediction. *Early Hum Dev*, 131(55): 6–9.

- Harris, N., Kunicka, J. and Kratz, A. 2005. The ADVIA 2120 Hematology System : Flow Cytometry – Based Analysis of Blood and Body Fluids in the Routine Hematology Laboratory, *Lab Hematol*, 11: 47-61.
- IDAI. 2009. *Pedoman pelayanan medis*. Jakarta.
- Juniatiningsih, A., Aminullah, A. and Firmansyah, A. 2008. Profil Mikroorganisme Penyebab Sepsis Neonatorum di Departemen Ilmu Kesehatan Anak Rumah Sakit Cipto Mangunkusumo Jakarta. *Sari Pediatr*, 10(1): 60-65.
- Kan, B., Razzaghian, H. R. and Lavoie, P. M. 2016. An Immunological Perspective on Neonatal Sepsis. *Trends Mol Med*, 22(4): 290–302.
- Karne, T. K., Joshi, D.D., Zile, U., Patil, S., 2017. Study of Platelet Count and Platelet Indices in Neonatal Sepsis in Tertiary Care Institute. *MVP J Med Sci*, 4(1): 55.
- Khan, A. A. 2018. Myeloperoxidase as an Active Disease Biomarker : Recent Biochemical and Pathological Perspectives. *Med Sci*, 6(33): 1–21.
- Klebanoff, S. J. 2017. Myeloperoxidase : a front-line defender against phagocytosed microorganisms. *J Leukoc Biol*, 93(2): 185–198.
- Kliegman, R., St Geme, J.W., Blum, N.J., Shah, S.S., Tasker, R.C., Wilson, K.M., Behrman, R.E., 2019. *Nelson Textbook of Pediatrics*, 21 edition. Amsterdam : Elsevier.
- Leininger-muller, B. Poirier, O., Maurice, È., Hoy, A., Tre, D., Siest, Â., Tired, L., Visvikis, S., Sass, C., Pharmacie, Â. De, Unite, I., 2001. Serum myeloperoxidase concentration in a healthy population : biological variations , familial resemblance and new genetic polymorphisms, *Eur J Hum Gen*, 9: 780–786.
- Levy, O. 2007. Innate immunity of the newborn : basic mechanisms and clinical correlates. *Nat Rev Immunol*, 7: 379–390.
- Maccallum, N. S., Quinlan, G. J. and Evans, T. W. 2007. The Role of Neutrophil-Derived Myeloperoxidase in Organ Dysfunction and Sepsis. *Intensive Care Med*: 173–187.
- Machado, J. R., Soave, D.F., Vinícius, M., Menezes, L.B. De, Etchebehere, R.M., Luiza, M., Monteiro, R., Antônia, M., Rosa, R., Corrêa, M., Rúbia, M., Celes, N., 2014. Neonatal Sepsis and Inflammatory Mediators. *Mediators Inflamm*, 2014: 1-10.
- Mcgee, S. 2002. Simplifying Likelihood Ratios. *JGIM*, 98108: 647–650.
- Meirina, F., Lubis, B., Sembiring, T., Rosdiana, N., Siregar, O., 2016. Hematological scoring system as an early diagnostic tool for neonatal sepsis. *Paediatr Indones*, 55(6): 315.
- Miller, D. C. and Dunn, R. L. 2006. Assessing the Performance and Validity of Diagnostic Tests and Screening Programs. *Clinical Research for Surgeons*: 157–173.
- Mittal, A., Arya, S., Charan, L.S., Saluja, S., Chellani, H., 2018. Evaluation of Platelet Indices as additional Diagnostic tool for neonatal sepsis. *Astrocyte*: 34–44.
- Nand, U., Sharma, U. and Seth, D. 2017. Diagnostic Performance of Various Parameters for Neonatal Sepsis in a Tertiary Care. *Ann Int Med Dent Res*, 3(4): 7–9.

- Ng, P. C. 2004. Diagnostic markers of infection in neonates', *Arc Dis Child Fetal Neonatal Ed*, 89(3): 229–235.
- NICE. 2020. *Guideline Neonatal infection: antibiotics for prevention and treatment*. United Kingdom
- Nikulshin, S. . 2014. Intracellular neutrophil myeloperoxidase level in pediatric patients : significant age and gender variability. *Int J Lab Hematol*: 1–5.
- Odobasic, D., Kitching, A. R. and Holdsworth, S. R. 2016. Neutrophil-Mediated Regulation of Innate and Adaptive Immunity : The Role of Myeloperoxidase Immunity . *J Immunol Res*, 2016: 1-11.
- Pramana, K. P., Kardana, I. M. and Nilawati, G. A. P. 2016. Diagnosis Accuracy of Hematological Scoring System in Early Identification of Neonatal Sepsis, *Bali Med J*, 5(3): 139.
- Rahmafindari, M., Notopuro, P. B. and Tambunan, B. A. 2021. Diagnostic Value of Myeloperoxidase Index in Bacterial Infections. *Indones J of Clin Pathol Med Lab*, 27(2): 164-167.
- Raymond, S. L., Stortz, J.A., Mira, J.C., Larson, S.D., Wynn, J.L., Moldawer, L.L., 2017. Immunological defects in neonatal sepsis and potential therapeutic approaches. *Front Pediatr*, 5(14):1–8.
- Rodwell, R. L., Leslie, A. L. and Tudehope, D. I. 1988. Early diagnosis of neonatal sepsis using a hematologic scoring system. *J Pediatr*, 112(5): 761–767.
- Rohadi, A., Ramadanti, A. and Bakri, A. 2020. Diagnostic value of platelet indices for neonatal bacterial sepsis. *Paediatr Indones*, 60(5):253–258.
- RSUP Dr Sadjito. 2019. *Panduan Praktik Klinis : Sepsis Neonatorum Awitan Dini*. Yogyakarta.
- Saboohi, E., Saeed, F., Khan, R.N., Khan, M.A., 2019. Immature to total neutrophil ratio as an early indicator of early neonatal sepsis. *Pak J Med Sci*, 35(1): 241-246.
- Schrijver, I. T., Kemperman, H., Roest, M., Kesecioglu, J., de Lange, D.W., 2017. Myeloperoxidase can differentiate between sepsis and non-infectious SIRS and predicts mortality in intensive care patients with SIRS. *Intensive Care Med Exp*, 5(1): 1-9.
- Segura-cervantes, E., Mancilla-ramírez, J., González-canudas, J., Alba, E., Santillán-ballesteros, R., Morales-barquet, D., Sandoval-plata, G., Galindo-sevilla, N., 2016. Inflammatory Response in Preterm and Very Preterm Newborns with Sepsis. *Mediators of Inflamm*, 2016: 1–8.
- Shah, H. and Jha, B. 2019. Early diagnosis and evaluation of neonatal septicemia by hematological scoring system. *Int J Med Sci Public Heal*, 9(5): 1.
- Shane, A. L., Sánchez, P. J. and Stoll, B. J. 2017. Neonatal sepsis. *Lancet*, 6736(17): 1–11.
- Sharma, D., Farahbakhsh, N., Shastri, S., Sharma, P., 2017. Biomarkers for diagnosis of neonatal sepsis : a literature review. *J Matern Neonatal Med*, 7058: 1-14.
- Sianturi, P., Hasibuan, B.S., Lubis, B.M., Azlin, E., Tjipta, G.D., 2012. Profil Sepsis Neonatus di Unit Perawatan Neonatus RSUP H.Adam Malik Medan Tahun 2008-2010. *Sari Pediatr*, 14(2): 67–72.
- Siswosudarmo, R. 2009. *Tes diagnostik*. Yogyakarta.

- Song, K. S. 2006. Mean Peroxidase Index as a Potential Marker for Neonatal Infection. *Pediatr Infect Dis J*, 25(12): 1194–1196.
- Tam, P.-Y. I. and Bendel, C. M. 2017. Diagnostics for neonatal sepsis: Current approaches and future directions. *Pediatr Res*, 82(4): 574–583.
- Tsakona, C. P. and Goldstone, A. H. 1992. Patterns of primary degranulation as indicated by the mean myeloperoxidase index (MPXI) during bacteraemia in lymphoma transplants treated with growth factors. *Clin Lab Haematol*, 14(4): 273–280.
- Tzialla, C., Manzoni, P., Achille, C., Stronati, M., Borghesi, A., 2018). New Diagnostic Possibilities for Neonatal Sepsis. *Am J Perinatol*, 35(6): 575–577.
- Vis, J. Y. and Huisman, A. 2016. Verification and quality control of routine hematology analyzers. *Int J Lab Hematol*, 38(1): 100–109.
- Winther, M. De., Medisch, A., Universiteit, C., Heeringa, P., 2009. Myeloperoxidase : Molecular Mechanisms of Action and Their Relevance to Human Health and Disease. *Antioxid Redox signal*: 2899–2937.
- Wulandari, S. R., Agustina T, B., Budiono N, P., Hardiono, 2019. The Correlation of Procalcitonin and Myeloperoxidase Index Levels in Sepsis Patients. *Indones j Clin Pathol Med Lab*, 25(3): 358–363.
- Wynn, J. L. 2017. Defining Neonatal Sepsis. *Curr Opin Pediatr*, 28(2): 135–140.
- Wynn, J. L. and Wong, H. R. 2020. Pathophysiology of Neonatal Sepsis. *Pathophysiology of Neonatal Diseases*:1536–1552.
- Yonezawa, K., Horie, O., Yoshioka, A., Matsuki, S., Tenjin, T., Tsukamura, Y., Yoneda, M., Shibata, K., Koike, Y., Nomura, T., Yokoyama, M., Urahama, N., Ito, M., 2010. Association between the neutrophil myeloperoxidase index and subsets of bacterial infections. *Int J Lab Hematol*, 32: 598–605.
- Yonezawa, K., Morimoto, N., Matsui, K., Tenjin, T., Yoneda, M., Emoto, T., Sawada, T., Nomura, T., Okamoto, H., Takarada, A., Ikeda, H., Mitsuhiro, I., 2012. Significance of the neutrophil myeloperoxidase index in patients with atherosclerotic diseases. *Kobe J Med Sci*, 58(5):128–137.
- Zea-Vera, A. and Ochoa, T. J. 2015. Challenges in the diagnosis and management of neonatal sepsis. *J Trop Pediatr*, 61(1): 1–13.