

DAFTAR PUSTAKA

- Al Benwan K., Al Banwan D., 2024. Microbiological Profiles and Inflammatory Biomarkers of Bacteremia in Children in a Teaching Hospital in Kuwait: An 8-Year Retrospective Study. *Med Princ Pract.* vol 33(1):21-30.
- Alshaikh R., AlKhalifah A., Fayed A., AlYousef S. 2022. Factors influencing the length of stay among patients admitted to a tertiary pediatric intensive care unit in Saudi Arabia. *Front Pediatr.* 10:1093160.
- Altunok, İ. and Özdemir, S., 2022. Relationship between platelet indices and prolonged hospitalization in patients with acute pancreatitis: a retrospective observational study. *J Contemp Med*, 12(5), pp.743–748.
- Alfar, H.R. and Whiteheart, S.W., 2025. Bacterial interactions with platelets: defining key themes. *Front Immunol*, 16, p.1610289.
- Al-Zamil, F.A., 2008. Bacteremia in children at the University Hospital in Riyadh, Saudi Arabia. *World J Pediatr*, 4(2), pp.118–122.
- An, R. and Wang, P., 2017. Length of stay, hospitalization cost, and in-hospital mortality in US adult inpatients with immune thrombocytopenic purpura. *Vasc Health Risk Manag*, 13, pp.15–21.
- Arafah, YF., Murni, IK., Rusmawatinings D., 2020. Predictors of prolonged stay in the pediatric intensive care unit. *Paediatr Indones.* pp60(1):37-41
- Babu, E. and Basu, D., 2004. Platelet large cell ratio in the differential diagnosis of abnormal platelet counts. *Indian J Pathol Microbiol*, 47(2), pp.20–25.
- Battle SE, Augustine MR, Watson CM, Bookstaver PB, Kohn J, Owens WB, Baddour LM, Al-Hasan MN. 2019. Derivation of a quick Pitt bacteremia score to predict mortality in patients with Gram-negative bloodstream infection. *Infection.* pp47(4):571-578.
- Bender, GJ., Koestler, D., Ombao, H., McCourt, M., Alskinis, B., Rubin, LP., Padbury, JF., 2013. Neonatal intensive care unit: predictive models for length of stay. *J Perinatol.* Vol 33(2):147-53.
- Boes, K.M., and Durham, A.C., 2017. Bone marrow, blood cells, and the lymphoid/lymphatic system. In: J.F. Zachary, ed. *Pathologic Basis of Septic Disease*. 6th ed. St. Louis: Elsevier, pp.724–804.e2.
- Bottari, G., Taccone, FS., Corrias, A., Irrera, M., Currao, P., Salvagno, M., Cecchetti, C., Payen, D. 2025. Immunomodulation in Pediatric Sepsis: A Narrative Review. *J Clin Med.* 14(9):2983.
- Brandi, S., Troster, EJ., Cunha, MLDR. 2020. Length of stay in pediatric intensive care unit: prediction model. *Einstein (Sao Paulo)*. pp7-18
- Chapman, R. L., & Faix, R. G. 2003. Persistent bacteremia and outcome in late onset infection among infants in a neonatal intensive care unit. *Pediatr Infect Dis J*, 22(1), 17–21.

- Çelik, O., Laloğlu, E. and Çelik, N., 2024. The role of platelet large cell ratio in determining mortality in COVID-19 patients. *Medicine (Baltimore)*, 103(18), p.e38033.
- Chen, Q., Chen, Y., Zhang, Y., Zhang, L., Chen, K., He, Z., Wang, C. and Yu, L., 2022. Prognostic impact of platelet-large cell ratio in myelodysplastic syndromes. *Front Oncol*, 12, p.846044.
- Deppermann, C. and Kubes, P. 2016. Platelets and infection. *Semin Immunol*, 28(6), pp. 536–545.
- Di Mario, A., Garzia, M., Leone, F., Arcangeli, A., Pagano, L. and Zini, G., 2009. Immature platelet fraction (IPF) in hospitalized patients with neutrophilia and suspected bacterial infection. *J Infect*, 59, pp.201–206.
- Dien Bard, J., & McElvania TeKippe, E. 2016. Diagnosis of bloodstream infections in children. *J Clin Microbiol*, 54(6), 1418–1424.
- Elsaaed. 2021. Evaluation of Platelet Indices as Early Markers for Diagnosis of Neonatal Sepsis. *Egypt J Hosp Med* (July 2021) Vol. 84, Page 2372-2377
- Enz Hubert, R.M., Rodrigues, M.V., Andreguetto, B.D., Santos, T.M., de Fátima, P.G.M., de Castro, V., Annichino, B.J.M., Dragosavac, D., Carvalho-Filho, M.A. and De Paula, E.V., 2015. Association of the immature platelet fraction with sepsis diagnosis and severity. *Sci Rep*. pp 118-222
- Eriksson, O., Mohlin, C., Nilsson, B. and Ekdahl, K.N., 2019. The human platelet as an innate immune cell: interactions between activated platelets and the complement system. *Front Immunol*, 10, p.1590.
- Fountain, J.H. and Lappin, S.L., 2023. Physiology, platelet. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK470328/> [Accessed 30 April 2026].
- Gacuta, K.M., Koper-Lenkiewicz, O.M., Milewska, A.J., Ćwiklińska-Dworakowska, M., Matowicka-Karna, J. and Kamińska, J., 2023. Associations between mean platelet volume and various factors in type 2 diabetes patients: a single-center study from Poland. *Med Sci Monit*. p.1844.
- Garmo, C., Bajwa, T. and Burns, B., 2023. Physiology, clotting mechanism. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK507795/> [Accessed 21 April 2026].
- Geddis, A.E., 2010. Megakaryopoiesis: systematic review. *Semin Hematol*, 47(3), pp.212–219.
- Guo, T., Wang, X., Qu, Y., Yin, Y., Jing, T. and Zhang, Q., 2015. Megakaryopoiesis and platelet production: insight into hematopoietic stem cell proliferation and differentiation. *Stem Cell Investig*, 2, p.3.
- Hamzeh, C., Damien, P., Chabert, A., Pozzetto, B., Cognasse, F., Garraud, O. 2015. Platelets and infections - complex interactions with bacteria. *Front Immunol*. p.289.
- Han, J., Gao, Y., Su, J., Xu, R., Zhang, C., Fu, Y. and Wang, G., 2025. Clinical and microbiological characteristics of bacteremia in pediatric intensive care unit: a retrospective analytical observational study. *BMC Pediatr*, 25(1), p.884.

- Henderson, H., Luterbach, CL., Cober, E., Richter, SS., Salata, RA., Kalayjian, RC., Watkins, RR., Doi Y., Kaye, KS., Evans, S., Fowler, VG., Bonomo, RA., Harris, A., Napravnik, S., Van Duin D. 2020. The Pitt Bacteremia Score Predicts Mortality in Nonbacteremic Infections. *Clin Infect Dis*. Vol 70(9):1826-1833.
- Holmes, C.L., Anderson, M.T., Mobley, H.L.T. and Bachman, M.A., 2021. Pathogenesis of gram-negative bacteremia. *Clin Microbiol Rev*, 34(2), p.e00234-20.
- Holmes, C.L., Albin, O.R., Mobley, H.L.T. 2025. Bloodstream infections: mechanisms of pathogenesis and opportunities for intervention. *Nat Rev Microbiol* .23, 210–224.
- Irene. 2021. Nilai Prognostik Indeks Platelet terhadap Angka Kematian Pasien Sepsis di RS Sardjito Yogyakarta. Universitas Gadjah Mada.
- Jabeen, J., Jha, S., Garg, V. and Datta, S., 2025. Normative data on platelet count, mean platelet volume, platelet distribution width, platelet-large cell ratio, and plateletcrit in neonates. *Cureus*, 17(8), p.e89293.
- Kassif Lerner, R., Levinkopf, D., Zaslavsky Paltiel, I., Sadeh, T., Rubinstein, M., Pessach, I.M., Keller, N., Lerner-Geva, L. and Paret, G., 2021. Thrombocytopenia and bloodstream infection: incidence and implication on length of stay in the pediatric intensive care unit. *J Pediatr Intensive Care*, 11(3), pp.209–214.
- Kaur, G., Vinayak, N., Mittal, K., Kaushik, J.S. and Aamir, M., 2014. Clinical outcome and predictors of mortality in children with sepsis, severe sepsis, and septic shock from Rohtak, Haryana: a prospective observational study. *Indian J Crit Care Med*, 18(7), pp.437–441.
- Kerrigan, S.W. and Cox, D. 2010. Platelet–bacterial interactions. *Cell Mol Life Sci*, 67(4), pp. 513–523.
- Khan, M.I. and Ullah, I., 2020. Diagnostic importance of mean platelet volume, platelet distribution width and platelet large cell ratio as screening tool in immune thrombocytopenia. *Porto Biomed J*, 5(6), p.e094.
- Kılıç, B.Ş. and Atakul, N., 2022. Evaluation of platelet large cell ratio (PLCR) results in patients with preeclampsia and HELLP. *Cyprus J Med Sci*, 7(3), pp.303–307.
- Kolesnichenko, S.I., Lavrinenko, A.V. and Akhmaltdinova, L.L., 2021. Bloodstream infection etiology among children and adults. *Int J Microbiol*, 2021, pp.1–6.
- Korniluk, A., Koper-Lenkiewicz, O.M., Kamińska, J., Kemon, H. and Dymicka-Piekarska, V., 2019. Mean platelet volume (MPV): new perspectives for an old marker in the course and prognosis of inflammatory conditions. *Mediat Inflamm*, 2019, p.9213074.
- Koyama, K., Katayama, S., Muroi, T., Tonai, K., Goto, Y., Koinuma, T., Shima, J. and Nunomiya, S., 2018. Time course of immature platelet count and its relation to thrombocytopenia and mortality in patients with sepsis. *PLoS ONE*, 13(1), p.e0192064.
- Lane, R. D., Richardson, T., Scott, H. F., Paul, R. M., Balamuth, F., Eisenberg, M. A., Riggs, R., Huskins, W. C., Horvat, C. M., Keeney, G. E., Hueschen, L. A., Lockwood, J. M., Gunnala, V., McKee, B. P., Patankar, N., Pinto, V. L., Sebring, A. M., Sharron, M. P., Treseler, J., . Workman, J. K. 2024. Delays to antibiotics in

- the emergency department and risk of mortality in children with sepsis. *JAMA Netw Open*, 7(6), 241-395.
- Lin, J. C., Spinella, P. C., Fitzgerald, J. C., Tucci, M., Bush, J. L., Nadkarni, V. M., Thomas, N. J., Weiss, S. L., & Sepsis Prevalence, Outcomes, and Therapy Study Investigators. 2017. New or progressive multiple organ dysfunction syndrome in pediatric severe sepsis: A sepsis phenotype with higher morbidity and mortality. *Pediatr Crit Care Med*, 18(1), 8–16.
- Linden, M.D., 2013. Platelet physiology. In: P. Monagle, ed. Haemostasis. *Methods Mol Biol*, vol. 992. Totowa: Humana Press.
- Machlus, K.R. and Italiano, J.E. Jr., 2013. The incredible journey: from megakaryocyte development to platelet formation. *J Cell Biol*, 201(6), pp.785–796.
- Madrazzo, M., Piles, L., López-Cruz, I., Alberola, J., Eiros, JM., Zaragoza, R., Artero, A. Comparison of quick Pitt to quick sofa and sofa scores for scoring of severity for patients with urinary tract infection. *Intern Emerg Med*. 2022 (5):1321-1326.
- Mangalesh, S., Dudani, S., & Malik, A. 2021. Platelet indices and their kinetics predict mortality in patients of sepsis. *Indian J Hematol Blood Transf*, 37(4), 600–608.
- Marcin JP, Slonim AD, Pollack MM, Ruttimann UE. 2001. Long-stay patients in the pediatric intensive care unit. *Crit Care Med*. Mar;29(3):652-7.
- Marwasyifa, N., Asmarawati, T.P., Setiawan, F. and Endraswari, P.D., 2025. Bloodstream infections leading to sepsis: clinical and microbiological profiling of bacteremia among hospitalized patients in Surabaya, Indonesia. *Curr Intern Med Res and Pract Surabaya J*, 6(2), pp.106–116.
- Mensah, K., Maar, K.M., Borngreat, E.B. *et al.*, 2025. Platelet indices as predictive markers for sepsis. *GJMCCRS*, 12(1), pp.022–028.
- Nathan, S., Varadaraj, P., Nallusamy, G. and Reddy, K.S.S., 2024. The significance of platelet indices in the evaluation of thrombocytopenia. *Cureus*, 16(7), p.e65756.
- Nugraheti, P.M., 2024. The role of platelet indices in clinical research. *JKKI*, 15(1), pp.3–5.
- Padarabinda Tripathy, K., Chaitanya, Y., Behera, P.K., Panigrahi, R. and Dash, D.P., 2025. Correlation between platelet indices and severity of sepsis: a hospital-based prospective study. *Cureus*, 17(4), p.e82816.
- Pantell, R.H., Roberts, K.B., Adams, W.G., Dreyer, B.P., Kuppermann, N., O'Leary, S.T., Okechukwu, K. and Woods, C.R. Jr., 2021. Evaluation and management of well-appearing febrile infants 8 to 60 days old. *Pediatr*, 148(2), p.e2021052228.
- Pai, S., Enoch, D.A. and Aliyu, S.H., 2015. Bacteremia in children: epidemiology, clinical diagnosis and antibiotic treatment. *Expert Rev Anti-infect Ther*, 13(9), pp.1073–1088.
- Pogorzelska, K., Krętowska, A., Krawczuk-Rybak, M. and Sawicka-Żukowska, M., 2020. Characteristics of platelet indices and their prognostic significance in selected medical conditions: a systematic review. *Adv in Med Sci*, 65(2), pp.310–315.
- Reddy, R.S. and Khan, M.I., 2018. A study of platelet large cell ratio (P-LCR) in thrombocytopenia. *Saudi J Med*, 3(4), pp.125–129.

- Safira, I., 2025. Analisis faktor yang mempengaruhi length of stay (LOS) pasien IGD di rumah sakit Indonesia: literature review. *JKT*, 6. Available at: <https://journal.universitaspahlawan.ac.id/index.php/jkt> [Accessed 7 May 2026].
- Shan, J., Gao, Y., Su, J., Xu, R., Zhang, C., Fu, Y. and Wang, G., 2025. Clinical and microbiological characteristics of bacteremia in pediatric intensive care unit: a retrospective analytical observational study. *BMC Pediatr*, 25(1), p.884.
- Smith DA, Nehring SM. Bacteremia. 2023. In: StatPearls [Internet]. *StatPearls Publishing* Available at: <https://www.ncbi.nlm.nih.gov/books/NBK441979/> [Accessed 7 May 2026]
- Stover, K.R., Morrison, A.C., Collier, T. and Schneider, E., 2021. Epidemiology and risk factors for bacteremia in pediatric and adolescent patients. *J Pharm Pract*, 34(3), pp.360–364.
- Su, C., Tsai, IT., Lai, CH., Lin, KH., Chen, CC., Hsu, YC. 2023. Prediction of 30-Day Mortality Using the Quick Pitt Bacteremia Score in Hospitalized Patients with *Klebsiella pneumoniae* Infection. *Infect Drug Resist*. Vol 16:4807-4815.
- Tauseef, A., Zafar, M., Arshad, W., Thirumalareddy, J., Sood, A., Farooque, U., Nair, S., & Mirza, M. 2021. Role of immature platelet fraction (IPF) in sepsis patients: A systematic review. *J Fam Med Prim Care*, 10(6), 2148–2152.
- Tomic, J., Jakovac, S., Zovko, T., Ljevak, I., Karabatic, S., Mucic, M., & Pravdic, D. 2024. Platelet indices in patients with gram-negative and gram-positive sepsis: A retrospective cross-sectional study. *Cureus*, 16(10), e71601
- Vogiantzi, G., Metallinou, D., Tigka, M., Deltsidou, A. and Nanou, C.I., 2024. Bloodstream infections in the neonatal intensive care unit: a systematic review of the literature. *Cureus*, 16(8), p.e68057.
- World Health Organization. 2020. Global Report on the Epidemiology of Sepsis: Current evidence, identifying gaps and future directions. *Geneva: WHO*. pp 12-30
- Williams, O. and Sergeant, S.R., 2022. Platelets. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK557800/> [Accessed 7 April 2026].
- Yun, S.H., Sim, E.H., Goh, R.Y., Park, J.I. and Han, J.Y., 2016. Platelet activation: the mechanisms and potential biomarkers. *BioMed Res Intern*, 2016, p.9060143.