

DAFTAR PUSTAKA

1. Napolitano LM. Sepsis 2018: definitions and guideline changes. *Surg Infect*. 2018;19(2):117-25.
2. Arwyn-Jones J, Brent AJ. Sepsis. *Surgery (United Kingdom)*. 2019; 37(1):1-8
3. Singer M, Deutschman CS, Seymour C, Shankar-Hari M, Annane D, Bauer M, et al. The third international consensus definitions for sepsis and septic shock (sepsis-3). *JAMA*. 2016;315(8):801-10.
4. WHO. Global report on the epidemiology and burden of sepsis: current evidence, identifying gaps and future directions. Geneva: World Health Organization; 2020. Licence: CC BY-NC-SA 3.0 IGO.
5. Rhee C, Jones TM, Hamad Y, Pande A, Varon J, O'Brien C, et al. Prevalence, underlying causes, and preventability of sepsis-associated mortality in US acute care hospitals. *JAMA Network open*. 2019;2(2):1-14.
6. Wardhana A, Djan R, Halim Z. Bacterial and antimicrobial susceptibility profile and the prevalence of sepsis among burn patients at the burn unit of Cipto Mangunkusumo Hospital. *Ann Burns Fire Disasters*. 2017;30(2):107-15.
7. Tambajong RN, Lalenoh DC, Kumaat L.. Profil penderita sepsis di ICU RSUP Prof. Dr. R. D. Kandou Manado periode desember 2014 - november 2015. *Jurnal e- Clinic (eCL)*. 2016;4(1):452-7.
8. Purba AKR, Mariana N, Aliska G, Wijaya SH, Wulandari RR, Hadi U, et al. The burden and costs of sepsis and reimbursement of its treatment in a developing country: An observational study on focal infections in Indonesia. *International Journal of Infectious Diseases* [Internet]. 2020;96:211-8. Available from: <https://doi.org/10.1016/j.ijid.2020.04.075>
9. Instalasi Rekam Medik RSUP Dr. M. Djamil Padang. Data rekam medik sepsis tahun 2019-2021 bagian rawat inap. Padang: RSUP Dr. M. Djamil;2021.
10. Iskandar A, Siska F. Analisis hubungan sequential organ failure assessment (SOFA) score dengan mortalitas pasien sepsis. *Jurnal Kesehatan Andalas*. 2020;9(2):168-73.
11. Sari EK, Hayati YS, Rokhmawati NL. Hubungan skor SOFA dengan mortalitas pada pasien kritis. *Majalah Kesehatan Fakultas Kedokteran Universitas Brawijaya*. 2021;8(3):149-55.
12. Wiersinga WJ, Christopher WS, editors. *Handbook of sepsis*. Springer Cham; 2018.

13. Harahap AH. Sensitivitas dan spesifisitas skor SOFA, skor APACHE II, dan skor CCI sebagai prediktor mortalitas pasien sepsis di Rumah Sakit Umum Pusat Haji Adam Malik Medan tahun 2019(tesis). Medan: Universitas Sumatera Utara; 2021.
14. Yunus I, Fasih A, Wang Y. The use of procalcitonin in the determination of severity of sepsis, patient outcomes and infection characteristics. *PLoS One*. 2018;13(11):1–11.
15. Suranadi IW, Sinardja CD, Suryadi IA. Role of procalcitonin in predicting mortality and organ dysfunction at intensive care admission. *Int J Gen Med*. 2022;15:4917–23.
16. Schuetz P, Birkhahn R, Sherwin R, Jones AE, Singer A, Kline JA, et al. Serial procalcitonin predicts mortality in severe sepsis patients: results from the multicenter procalcitonin MONitoring SEpsis (MOSES) Study. *Crit Care Med*. 2017;45(5):781-9
17. Ananta KR, Pradian E, Kestriani ND. Gambaran prokalsitonin, skor SOFA, dan rasionalitas pemberian antibiotik pada pasien luka bakar berat di RSUP Dr. Hasan Sadikin Bandung periode februari–agustus 2021. *Jurnal Anestesi Perioperatif*. 2021;9(3):182-91.
18. Cecconi M, Evans L, Levy M, Rhodes A. Sepsis and septic shock. *Lancet*. 2018;392:75-87.
19. Sakr Y, Jaschinski U, Wittebole X, Szakmany T, Lipman J, Namendys-Silva SA, et al. Sepsis in intensive care unit patients: Worldwide data from the intensive care over nations audit. *Open Forum Infect Dis*. 2018;5(12):1–9.
20. Vincent J, Rello J, Marshall J, Silva E, Anzueto A, Martin CD, et al. International study of the prevalence and outcomes of infection in intensive care units. *JAMA*. 2009;302(21):2323-9.
21. Rhodes A, Evans LE, Alhazzani W, Levy MM, Antonelli M, Ferrer R, et al. Surviving Sepsis Campaign: International guidelines for management of sepsis and septic shock: 2016. *Intensive Care Med*. 2017; 43;304-77.
22. Zhou J, Qian C, Zhao M, Yu X, Kang Y, Ma X, et al. Epidemiology and outcome of severe sepsis and septic shock in intensive care units in Mainland China. *PLoS One*. 2014;9(9):1–8.
23. Vincent JL, Sakr Y, Sprung CL, Ranieri VM, Reinhart K, Gerlach H, et al. Sepsis in European intensive care units: Results of the SOAP study. *Crit Care Med*. 2006;34(2):344-53.
24. Taeb AM, Hooper MH, Marik PE. Sepsis: Current definition, pathophysiology, diagnosis, and management. *Nutr Clin Pract*. 2017;32(3):296–308.

25. Evans T. Diagnosis and management of sepsis. *C Infect Dis Clin Med* [Internet]. 2018;18(2):146-9. Available from: www.nice.org.uk/guidance/ng51
26. Guntur A. Buku Ajar Ilmu Penyakit Dalam. Dalam: Setiawati S, Alwi I, Sudoyo A, Simadibrata M, Setiyohadi B, Syam A, editors. *Sepsis*. Edisi IV. Jakarta: Interna Publishing; 2014.
27. Gyawali B, Ramakrishna K, Dhmoon AS. Sepsis: The evolution in definition, pathophysiology, and management. *SAGE Open Med*. 2019;7:1-13.
28. Sanderson M, Chikhani M, Blyth E, Wood S, Moppett IK, Mckeever T, et al. Predicting 30-day mortality in patients with sepsis: An exploratory analysis of process of care and patient characteristics. *Journal of the Intensive Care Society*. 2018;0(0):1-6.
29. Hotchkiss RS, Monneret G, Payen D. Immunosuppression in sepsis: A novel understanding of the disorder and a new therapeutic approach. *Lancet Infect Dis* [Internet]. 2013;13(3):260-8. Available from: [http://dx.doi.org/10.1016/S1473-3099\(13\)70001-X](http://dx.doi.org/10.1016/S1473-3099(13)70001-X)
30. Gregoriano C, Heilmann E, Molitor A, Schuetz P. Role of procalcitonin use in the management of sepsis. *J Thorac Dis*. 2020;12(Suppl 1):S5-15.
31. Evans L, Rhodes A, Alhazzani W, Antonelli M, Coopersmith CM, French C, et al. Surviving sepsis campaign: international guidelines for management of sepsis and septic shock 2021. *Intensive Care Med* [Internet]. 2021;47(11):1181-247. Available from: <https://doi.org/10.1007/s00134-021-06506-y>
32. Evans L, Rhodes A, Alhazzani W, Antonelli M, Coopersmith CM, French C, et al. Executive Summary: Surviving sepsis campaign: International guidelines for the management of sepsis and septic shock 2021. *Crit Care Med*. 2021;49(11):1974-82.
33. Departemen Kesehatan Republik Indonesia. *Standar Pelayanan Di ICU*. Jakarta: Departemen Kesehatan Republik Indonesia; 2006
34. Williams TA, Leslie GD. Beyond the walls: A review of ICU clinics and their impact on patient outcomes after leaving hospital. *Aust Crit Care*. 2008;21(1):6-17.
35. Menteri Kesehatan Republik Indonesia. *Keputusan Menteri Kesehatan Republik Indonesia no 1778 Tahun 2010 tentang pedoman pelayanan ICU di rumah sakit*. Jakarta: Menteri Kesehatan Republik Indonesia; 2010.
36. Direktur Jenderal Bina Upaya Kesehatan nomor: HK 02.04/I/1966/2011 tentang petunjuk teknis penyelenggaraan pelayanan intensive care unit di rumah sakit. Jakarta: Direktur Jenderal Bina Upaya Kesehatan; 2011.

37. Lambden S, Laterre PF, Levy MM, Francois B. The SOFA score - Development, utility and challenges of accurate assessment in clinical trials. *Crit Care*. 2019;23(1):1–9.
38. Kim H, Hur M, Moon HW, Yun YM, Di Somma S. Multi-marker approach using procalcitonin, presepsin, galectin-3, and soluble suppression of tumorigenicity 2 for the prediction of mortality in sepsis. *Ann Intensive Care*. 2017;7(1):1–9.39.
39. Memar MY, Varshochi M, Shokouhi B, Asgharzadeh M, Kafil HS. Procalcitonin: The marker of pediatric bacterial infection. *Biomed Pharmacother*. 2017;96:936–43.
40. Paudel R, Dogra P, Montgomery-yates AA, Yataco AC. Procalcitonin : A promising tool or just another overhyped test?. *Int. J. Med. Sci*. 2020;17(3):332-7.
41. Covington EW, Roberts MZ, Dong J. procalcitonin monitoring as a guide for antimicrobial therapy: a review of current literature. *Pharmacotherapy*. 2018;38(5):569–81.
42. Arif SK, Wahyuddin AMF, Musba AMT. Akurasi diagnostik prokalsitonin sebagai penanda serologis untuk membedakan antara sepsis bakterial dan sepsis virus. *Jurnal Anestesiologi Indonesia*. 2017;9(3):157.
43. Meisner M. Update on procalcitonin measurements. *Ann Lab Med*. 2014;34:263–73.
44. Ambaringrum SL, Hernaningsih Y, Kusuma E, Kahar H. Cut-off value of procalcitonin in sepsis and septic shock patients at Dr. Soetomo Hospital. *Indonesian Journal of Clinical Pathology and Medical Laboratory*. 2022;28(2):179–84.
45. Rhee C. Using procalcitonin to guide antibiotic therapy. *Open Forum Infect Dis*. 2017;4(1):1–10.
46. Shinde VV, Jha A, Sundari M, Natarajan S, Vijayakumari V, Govindaswamy G, et al. Serum procalcitonin vs SOFA score in predicting outcome in sepsis patients in medical intensive care unit. *Indian Journal of Critical Care Medicine*. 2023;3–6.
47. Zhang Y, Khalid S, Jiang L. Diagnostic and predictive performance of biomarkers in patients with sepsis in an intensive care unit. *Journal of International Medical Research*. 2019;47(1):44–58.
48. Liu H, Hu J, Xiao JG, Kang HJ, Zhou FH. The procalcitonin-to-cortisol ratio is a potential prognostic predictor in sepsis with abdominal source: a retrospective observational study. *World Journal of Emergency Medicine*. 2022;13(6):441–7.

49. Turan YB. The role of proadrenomedullin, interleukin 6 and CD64 in the diagnosis and prognosis of septic shock. *BMC Anesthesiology*. 2023;23(1):1–9.
50. Zhao J, Wang R, Dai Q, Dong S. The value of right ventricular ultrasound assessment and cardiac biomarkers in the prognosis of sepsis. *European Review for Medical and Pharmacological Sciences*. 2023;7891–7.
51. Rios-Toro JJ, Pola-Gallego de Guzman MD, Guerrero-Marin M, Rodriguez-Rubio D, Ruiz-Garcia MI, Aguilar-Alonso E, et al. Prognostic value of variations in serum biomarkers and prognostic scores values between admission and second day in intensive care unit septic patients. *Cureus*. 2021;13(7).
52. Li F, Ye Z, Zhu J, Gu S, Peng S, Fang Y, et al. Early lactate/albumin and procalcitonin/ albumin ratios as predictors of 28-day mortality in ICU-admitted sepsis patients: A retrospective cohort study. *Medical Science Monitor*. 2023;29:1–16.
53. Li W, Wang M, Zhu B, Zhu Y, Xi X. Prediction of median survival time in sepsis patients by the SOFA score combined with different predictors. *Burns and Trauma*. 2021;8.
54. Lu NF, Jiang L, Zhu B, Yang DG, Zheng RQ, Shao J, et al. Elevated plasma histone H4 level predicts increased risk of mortality in patients with sepsis. *Annals of Cardiothoracic Surgery*. 2020;9(3):1084–91.
55. Yang Y, Leng J, Tian X, Wang H, Hao C. Brain natriuretic peptide and cardiac troponin I for prediction of the prognosis in cancer patients with sepsis. *BMC Anesthesiology*. 2021;21(1):1–8.
56. Bao J, Zha Y, Chen S, Yuan J, Qiao J, Cao L, et al. The importance of serum LMAN2 level in septic shock and prognosis prediction in sepsis patients. *Heliyon* [Internet]. 2022;8(11):e11409. Available from: <https://doi.org/10.1016/j.heliyon.2022.e11409>
57. Moreno-Torres V, Royuela A, Múñez-Rubio E, Gutierrez-Rojas Á, Mills-Sánchez P, Ortega A, et al. Red blood cell distribution width as prognostic factor in sepsis: A new use for a classical parameter. *Journal of Critical Care*. 2022;71.
58. Jiang W, Li X, Ding H, Wang K, Liu X, Wang Q, et al. PD-1 in Tregs predicts the survival in sepsis patients using sepsis-3 criteria: A prospective, two-stage study. *International Immunopharmacology*. 2020;89.
59. Li M, Huang P, Xu W, Zhou Z, Xie Y, Chen C, et al. Risk factors and a prediction model for sepsis: A multicenter retrospective study in China. *Journal of Intensive Medicine* [Internet]. 2022;2(3):183–8. Available from:

<https://doi.org/10.1016/j.jointm.2022.02.004>

60. Cook NR. Statistical evaluation of prognostic versus diagnostic models: Beyond the ROC curve. *Clinical Chemistry*. 2008;54(1):17–23.
61. Ferreira FL, Bota DP, Bross A, Melot C, Vincent JL. Serial evaluation of the SOFA score to predict outcome on in critically ill patients. *JAMA*. 2001;286(14):1754–8.
62. Moreno R, Vincent JL, Matos R, Mendonça A, Cantraine F, Thijs L, et al. The use of maximum SOFA score to quantify organ dysfunction/failure in intensive care. Results of a prospective, multicentre study. *Intensive Care Medicine*. 1999;25(7):686–96.
63. Binnie A, Lage J, Santos CC Dos. How can biomarkers be used to differentiate between infection and non-infectious causes of inflammation? [Internet]. third edit. evidence-based practice of critical care. Elsevier Inc.; 2004. 319–324 p. Available from: <https://doi.org/10.1016/B978-0-323-64068-8.00055-9>
64. Schuetz P, Maurer P, Punjabi V, Desai A, Amin DN, Gluck E. Procalcitonin decrease over 72 hours in US critical care units predicts fatal outcome in sepsis patients. *Critical Care* [Internet]. 2013;17(3):R115. Available from: <http://ccforum.com/content/17/3/R115>
65. Li S, Rong H, Guo Q, Chen Y, Zhang G, Yang J. Serum procalcitonin levels distinguish gram-negative bacterial sepsis from gram-positive bacterial and fungal sepsis. *Journal of Research in Medical Sciences*. 2016;21(3):1–8.
66. Oberhoffer M, Stonans I, Russwurm S, Stonane E, Vogelsang H, Junker U, et al. Procalcitonin expression in human peripheral blood mononuclear cells and its modulation by lipopolysaccharides and sepsis-related cytokines in vitro. *Journal of Laboratory and Clinical Medicine*. 1999;134(1):49–55.
67. Isn B, Farooq A, Colón-franco JM. Procalcitonin and Its Limitations : Why a biomarker's best isn't good enough. *JALM*. 2019;716-9.
68. Kumar V. Pulmonary innate immune response determines the outcome of inflammation during pneumonia and sepsis-associated acute lung injury. *Frontiers in Immunology*. 2020;11:1722.
69. Chou EH, Mann S, Hsu TC, Hsu WT, Liu CCY, Bhakta T, et al. Incidence, trends, and outcomes of infection sites among hospitalizations of sepsis: A nationwide study. *PLoS ONE*. 2020;15(1):1–13.
70. Ramachandran G. Gram-positive and gram-negative bacterial toxins in sepsis. 2014;5(1):213-8

71. Sheehan JR, Sadlier C, Brien BO. Bacterial endotoxins and exotoxins in intensive care medicine. *BJA Education* [Internet]. 2022;22(6):224–30. Available from: <https://doi.org/10.1016/j.bjae.2022.01.003>
72. Delaloye J, Calandra T. Invasive candidiasis as a cause of sepsis in the critically ill patient. *Virulence*. 2014;5(1):161–9.
73. Lin GL, McGinley JP, Drysdale SB, Pollard AJ. Epidemiology and immune pathogenesis of viral sepsis. *Frontiers in immunology*. 2018;9:2147.
74. Abe R, Oda S, Sadahiro T, Nakamura M, Hirayama Y, Tateishi Y, et al. Gram-negative bacteremia induces greater magnitude of inflammatory response than Gram-positive bacteremia. *Critical Care*. 2010;14(2).
75. Tang A, Shi Y, Dong Q, Wang S, Ge Y, Wang C, et al. Prognostic differences in sepsis caused by gram-negative bacteria and gram-positive bacteria: a systematic review and meta-analysis. *Critical Care*. 2023;27(1):1–12.
76. Koh GCKW, Peacock SJ, Van Der Poll T, Wiersinga WJ. The impact of diabetes on the pathogenesis of sepsis. *European Journal of Clinical Microbiology and Infectious Diseases*. 2012;31(4):379–88.

