

DAFTAR PUSTAKA

- Alanli, R., Kucukay, M. B., & Yalcin, S. (2020). Procalcitonin/Albumin Ratio: Could it be a Novel Marker Indicating Severity of Inflammation in Pneumonia? A Retrospective Study in Elderly Patients with Community-acquired Pneumonia. *Geriatrik Bilimler Dergisi*, 3(1), 11-17.
- Atallah NJ, Warren HM, Roberts MB, Elshaboury RH, Bidell MR, Gandhi RG, Adamsick M, Ibrahim MK, Sood R, Bou Zein Eddine S, Cobler-Lichter MJ, Alexander NJ, Timmer KD, Atallah CJ, Viens AL, Panossian VS, Scherer AK, Proctor T, Smartt S, Letourneau AR, Paras ML, Johannes S, Wiemer J, Mansour MK. Baseline procalcitonin as a predictor of bacterial infection and clinical outcomes in COVID-19: A case-control study. *PLoS One*. 2022 Jan 13;17(1):e0262342. <https://doi.org/10.1371/journal.pone.0262342>.
- Atallah, N. J., Warren, H. M., Roberts, M. B., Elshaboury, R. H., Bidell, M. R., Gandhi, R. G., Adamsick, M., Ibrahim, M. K., Sood, R., Bou Zein Eddine, S., Cobler-Lichter, M. J., Alexander, N. J., Timmer, K. D., Atallah, C. J., Viens, A. L., Panossian, V. S., Scherer, A. K., Proctor, T., Smartt, S., Letourneau, A. R., ... Mansour, M. K. (2022). Baseline procalcitonin as a predictor of bacterial infection and clinical outcomes in COVID-19: A case-control study. *PloS one*, 17(1), e0262342. <https://doi.org/10.1371/journal.pone.0262342>
- Ayrancı, M. K., Küçükceran, K., Koçak, S., Girişgin, A. S., & Dünder, Z. D. (2023). The Role of Procalcitonin/Albumin Ratio and CRP/Albumin Ratio in Predicting In-hospital Mortality in COVID-19 Patients. *Journal of acute medicine*, 13(4), 150–158. [https://doi.org/10.6705/j.jacme.202312_13\(4\).0003](https://doi.org/10.6705/j.jacme.202312_13(4).0003)
- Baig MA, Raza MM, Baig M, Baig MU. Serum albumin levels monitoring in ICU in early days and mortality risk association in patients with moderate to severe COVID-19 pneumonia. *Pak J Med Sci*. 2022;38(3 Part-I):612–616. doi: 10.12669/pjms.38.3.4154.

- Burhan E, Dwi Susanto A, Isbaniah F, Aman Nasution S, Ginanjar E, Wicaksono Pitoyo C, *et al.* (2022). PEDOMAN TATALAKSANA COVID-19 (Edisi 4). Jakarta: Perhimpunan Dokter Paru Indonesia (PDPI), Perhimpunan Dokter Spesialis Kardiovaskular Indonesia (PERKI), Perhimpunan Dokter Spesialis Penyakit Dalam Indonesia (PAPDI), Perhimpunan Dokter Anestesiologi dan Terapi Intensif Indonesia (PERDATIN), Ikatan Dokter Anak Indonesia (IDAI).
- Çakırca, T. D., Çakırca, G., Torun, A., Bindal, A., Üstünel, M., & Kaya, A. (2023). Comparing the predictive values of procalcitonin/albumin ratio and other inflammatory markers in determining COVID-19 severity. *Pakistan journal of medical sciences*, 39(2), 450–455. <https://doi.org/10.12669/pjms.39.2.6856>
- Chen C, Zhang Y, Zhao X, Tao M, Yan W, Fu Y. Hypoalbuminemia - An Indicator of the Severity and Prognosis of COVID-19 Patients: A Multicentre Retrospective Analysis. *Infect Drug Resist.* 2021 Sep 9;14:3699-3710. <https://doi.org/10.2147/IDR.S327090>.
- Clinical management of COVID-19: living guideline, 18 August 2023. Geneva: World Health Organization; 2023 (WHO/2019-nCoV/clinical/2023.2).
- De Bruyn A, Verellen S, Bruckers L, Geebelen L, Callebaut I, De Pauw I, Stessel B, Dubois J. Secondary infection in COVID-19 critically ill patients: a retrospective single-center evaluation. *BMC Infect Dis.* 2022 Mar 2;22(1):207. <https://doi.org/10.1186/s12879-022-07192-x>.
- Ergenç H, Ergenç Z, Öztürk CK, Gozdas HT, Ocak OK, İnce O. Procalcitonin/albumin ratio as a novel biomarker for predicting mortality in COVID-19. *J Pioneer Med Sci.* 2022;11(1):3-7
- Henry BM, de Oliveira MHS, Benoit S, Plebani M, Lippi G. Hematologic, biochemical and immune biomarker abnormalities associated with severe illness and mortality in coronavirus disease 2019 (COVID-19): a meta-analysis. *Clin Chem Lab Med.* 2020;58(7):1021–1028. doi: 10.1515/cclm-y2020-0369.

- Hu R, Han C, Pei S, Yin M, Chen X. Procalcitonin levels in COVID-19 patients. *Int J Antimicrob Agents*. 2020;56(2):106051. doi: 10.1016/j.ijantimicag.2020.106051
- Li T, Li X, Liu X, Zhu Z, Zhang M, Xu Z, Wei Y, Feng Y, Qiao X, Yang J, Dong G. Association of Procalcitonin to Albumin Ratio with the Presence and Severity of Sepsis in Neonates. *J Inflamm Res*. 2022 Apr 12;15:2313-2321. <https://doi.org/10.2147/JIR.S358067>.
- Manna, S., Baidara, P., & Mandal, S. M. (2020). Molecular pathogenesis of secondary bacterial infection associated to viral infections including SARS-CoV-2. *Journal of infection and public health*, 13(10), 1397–1404. <https://doi.org/10.1016/j.jiph.2020.07.003>
- Morris, D. E., Cleary, D. W., & Clarke, S. C. (2017). Secondary Bacterial Infections Associated with Influenza Pandemics. *Frontiers in microbiology*, 8, 1041. <https://doi.org/10.3389/fmicb.2017.0104>
- Paliogiannis P, Mangoni AA, Cangemi M, Fois AG, Carru C, Zinellu A, *et al*. Serum albumin concentrations are associated with disease severity and outcomes in coronavirus 19 disease (COVID-19): a systematic review and meta-analysis. *Clin Exp Med*. 2021;21(3):343–354. doi: 10.1007/s10238-021-00686-z
- Pink, I., Raupach, D., Fuge, J., Vonberg, R. P., Hoeper, M. M., Welte, T., & Rademacher, J. (2021). C-reactive protein and procalcitonin for antimicrobial stewardship in COVID-19. *Infection*, 49(5), 935–943. <https://doi.org/10.1007/s15010-021-01615-8>
- Ramadori G. Hypoalbuminemia: an underestimated, vital characteristic of hospitalized COVID-19 positive patients? *Hepatoma Res* 2020;6:28. <http://dx.doi.org/10.20517/2394-5079.2020.43>
- Ripa M, Galli L, Poli A, Oltolini C, Spagnuolo V, Mastrangelo A, Muccini C, Monti G, De Luca G, Landoni G, Dagna L, Clementi M, Rovere Querini P, Cicieri F, Tresoldi M, Lazzarin A, Zangrillo A, Scarpellini P, Castagna A; COVID-BioB study group. Secondary infections in patients hospitalized with COVID-

- 19: incidence and predictive factors. *Clin Microbiol Infect.* 2021 Mar;27(3):451-457. <https://doi.org/10.1016/j.cmi.2020.10.021>
- Shafran, N., Shafran, I., Ben-Zvi, H., Sofer, S., Sheena, L., Krause, I., Shlomai, A., Goldberg, E., & Sklan, E. H. (2021). Secondary bacterial infection in COVID-19 patients is a stronger predictor for death compared to influenza patients. *Scientific reports*, 11(1), 12703. <https://doi.org/10.1038/s41598-021-92220-0>
- Thorat, Sanjay, *et al.* "Hypoalbuminemia as an Early Predictor of Severe COVID-19 Infection: A Retrospective Observational Study." *International Journal of Health Sciences*, no. II, 8 Apr. 2022, pp. 3117-3127, <https://doi.org/10.53730/ijhs.v6nS2.5740>.
- Wu HY, Chang PH, Chen KY, Lin IF, Hsih WH, Tsai WL, Chen JA, Lee SS; GREAT working group. Coronavirus disease 2019 (COVID-19) associated bacterial coinfection: Incidence, diagnosis and treatment. *J Microbiol Immunol Infect.* 2022 Dec;55(6 Pt 1):985-992. <https://doi.org/10.1016/j.jmii.2022.09.006>.
- Zhu, Y., Sharma, L., & Chang, D. (2023). Pathophysiology and clinical management of coronavirus disease (COVID-19): A mini-review. *Frontiers in Immunology*, 14. <https://doi.org/10.3389/fimmu.2023.1116131>