

DAFTAR PUSTAKA

- Afşin, A., Tibilli, H., Hoşoglu, Y., Asoğlu, R., Süsenbük, A., Markit, S., Tuna, V., 2021. Fibrinogen-to-Albumin Ratio Predicts Mortality in COVID-19 Patients Admitted to the Intensive Care Unit. *Adv. Respir. Med.* 89, 557–564. <https://doi.org/10.5603/arm.a2021.0098>
- Aggarwal, M., Dass, J., Mahapatra, M., 2020. Hemostatic Abnormalities in COVID-19: An Update. *Indian J. Hematol. Blood Transfus.* 36, 616–626. <https://doi.org/10.1007/s12288-020-01328-2>
- Anggraeni, N., 2021. Manajemen Koagulopati pada Pasien Covid-19.
- Barrett, C.D., Moore, H.B., Yaffe, M.B., Moore, E.E., 2020. ISTH interim guidance on recognition and management of coagulopathy in COVID-19: A comment. *J. Thromb. Haemost.* 18, 2060–2063. <https://doi.org/10.1111/jth.14860>
- Beniac, D.R., Andonov, A., Grudeski, E., Booth, T.F., 2006. Architecture of the SARS coronavirus prefusion spike. *Nat. Struct. Mol. Biol.* 13, 751–752. <https://doi.org/10.1038/nsmb1123>
- BNPB, 2020. Pedoman Penanganan Cepat Medis dan Kesehatan Masyarakat Covid-19 di Indonesia. 23 Maret 1–38.
- Burhan, E., Susanto, A.D., Nasution, S.A., Eka, G., Pitoyo, ceva W., Susilo, A., Firdaus, I., Santoso, A., Juzar, D.A., Arif, S.K., 2022. Pedoman Tatalaksana COVID-19, Pedoman tatalaksana COVID-19 edisi 4.
- Constitution of the World Health Organization [WWW Document], n.d. URL <https://www.who.int/about/governance/constitution> (accessed 1.17.23).
- COVID-19: Pathophysiology and Clinical Findings | Calgary Guide [WWW Document], n.d. URL <https://calgaryguide.ucalgary.ca/covid-19-pathophysiology-and-clinical-findings/> (accessed 9.27.22).
- Davalos, D., Akassoglou, K., 2012. Fibrinogen as a key regulator of inflammation in disease 43–62. <https://doi.org/10.1007/s00281-011-0290-8>
- Djuichou Nguemnang, S.F., Tsafack, E.G., Mbiantcha, M., Gilbert, A., Atsamo, A.D., Yousseu Nana, W., Matah Marthe Mba, V., Adjouzem, C.F., 2019. Cytokines, Inflammation and Pain. *Evidence-based Complement. Altern. Med.*

2019. <https://doi.org/10.1155/2019/3612481>
- Endo, Y., Nakazawa, N., Iwaki, D., Takahashi, M., Matsushita, M., Fujita, T., 2009. Interactions of ficolin and mannose-binding lectin with fibrinogen/fibrin augment the lectin complement pathway. *J. Innate Immun.* 2, 33–42. <https://doi.org/10.1159/000227805>
- Grey, I., Arora, T., Thomas, J., Saneh, A., Tohme, P., & Abi-habib, R., 2020. Single cell RNA sequencing of 13 human tissues identify cell types and receptors of human coronaviruses. *Psychiatry Res.* 14(4), 293.
- Hall, J.E., 2014. Guyton And Hall Textbook of Medical Physiology Twelfth Edition.
- Han, H., Yang, L., Liu, R., Liu, F., Liu, F., Wu, K.L., Li, J., Liu, X.H., Zhu, C.L., 2020. Prominent changes in blood coagulation of patients with SARS-CoV-2 infection. *Clin. Chem. Lab. Med.* 58, 1116–1120. <https://doi.org/10.1515/cclm-2020-0188>
- Hoppe, B., 2014. Fibrinogen and factor XIII at the intersection of coagulation, fibrinolysis and inflammation. *Thromb. Haemost.* 112, 649–658. <https://doi.org/10.1160/TH14-01-0085>
- Hu, Y., Liang, W., Liu, L., Li, L., 2020. Clinical Characteristics of Coronavirus Disease 2019 in China. *N. Engl. J. Med.* 38, 1708–1728. <https://doi.org/10.1056/NEJMoa2002032>
- Jamilya Kh. Khizroeva¹, Alexander D. Makatsariya¹, Viktoria O. Bitsadze¹, M.V.T., 2020. Laboratory monitoring of COVID-19 patients and importance of coagulopathy markers 14.
- Jane Cherub, 2021. Terapi Antikoagulan pada COVID-19. Cermin Dunia Kedokt. 48, 340–342.
- Kattula S, JR, B., Wolberg AS, 2017. Fibrinogen and fibrin in hemostasis and thrombosis. *Arterioscler. Thromb. Vasc. Biol.* 37, e13–e21. <https://doi.org/10.1161/ATVBAHA.117.308564.Fibrinogen>
- Kemenkes RI, 2021. Buku Saku Protokol Tatalaksana COVID-19 Buku Saku ed 2. Kementeri. Kesehat. RI 106.
- Kemkes RI, 2022. Situasi Terkini Perkembangan COVID-19 (8 Agustus 2022) 1–

4.

- Li, X., Geng, M., Peng, Y., Meng, L., Lu, S., 2020. Molecular immune pathogenesis and diagnosis of COVID-19. *J. Pharm. Anal.* 10, 102–108. <https://doi.org/10.1016/j.jpha.2020.03.001>
- Listyoko, A.S., Djajalaksana, S., Sugiri, Y.J., 2021. Analisis Fibrinogen dan D-Dimer pada Pasien Covid-19 Rawat Inap. *Medica Hosp.* 8, 172–178.
- Mallick, U., 2018. Cardiovascular Complications of COVID-19, *Angewandte Chemie International Edition*, 6(11), 951–952.
- Mishra, K.P., Singh, A.K., Singh, S.B., 2021. Hyperinflammation and Immune Response Generation in COVID-19. *Neuroimmunomodulation* 27, 80–86. <https://doi.org/10.1159/000513198>
- Mueller, S.N., Rouse, B.T., 2008. Immune responses to viruses. *Clin. Immunol.* 421–431. <https://doi.org/10.1016/B978-0-323-04404-2.10027-2>
- Nugroho, J., Wardhana, A., Mulia, E.P., Maghfirah, I., Rachmi, D.A., A'Yun, M.Q., Septianda, I., 2021. Elevated fibrinogen and fibrin degradation product are associated with poor outcome in COVID-19 patients: A meta-analysis. *Clin. Hemorheol. Microcirc.* 77, 221–231. <https://doi.org/10.3233/CH-200978>
- Opal, S.M., Girard, T.D., Ely, E.W., 2005. The immunopathogenesis of sepsis in elderly patients. *Clin. Infect. Dis.* 41. <https://doi.org/10.1086/432007>
- PDPI, PERKI, PAPDI, PERDATIN, IDAI, 2020. Pedoman tatalaksana COVID-19 Edisi 3 Desember 2020, Pedoman Tatalaksana COVID-19.
- Pradipta, V.R., Pendidikan, P., Kedokteran, S., Kedokteran, F., Diponegoro, U., 2012. Intravena Terhadap Kadar Fibrinogen Pada Pencegahan Deep Vein Thrombosis Laporan Hasil Intravena Terhadap Kadar Fibrinogen Pada.
- Ranucci, M., 2022. The Coagulation Labyrinth of Covid-19, The Coagulation Labyrinth of Covid-19. <https://doi.org/10.1007/978-3-030-82938-4>
- Rashedi, J., Poor, B.M., Asgharzadeh, V., Pourostadi, M., 2020. Risk Factors for COVID-19.
- Rodwell, V.W., 2015. Harper's Illustrated Biochemistry Thirtieth Edition.
- Rusdiana, T., Akbar, R., 2020. Perkembangan Terkini Terapi Antikoagulan Pada Pasien Covid-19 Bergejala Berat. *J. Sains Farm. Klin.* 7, 244.

<https://doi.org/10.25077/jsfk.7.3.244-250.2020>

Satgas Covid-19, 2021. Pengendalian Covid-19, Satuan Tugas Penanganan Covid-19.

Screening Tests in Haemostasis:Fibrinogen Assays [WWW Document], n.d. URL <https://practical-haemostasis.com/Screening%20Tests/fibrinogen.html> (accessed 9.21.22).

Shi, K., Liu, Y., Zhang, Q., Ran, C. ping, Hou, J., Zhang, Y., Wang, X. bo, 2022. Severe Type of COVID-19: Pathogenesis, Warning Indicators and Treatment. Chin. J. Integr. Med. 28, 3–11. <https://doi.org/10.1007/s11655-021-3313-x>

Solandt, D.Y., 1948. Introduction to Human Physiology. Am. J. Public Heal. Nations Heal. 38, 1590–1590. <https://doi.org/10.2105/ajph.38.11.1590-b>

Sui, J., Noubouossie, D.F., Gandotra, S., Cao, L., 2021. Elevated Plasma Fibrinogen Is Associated With Excessive Inflammation and Disease Severity in COVID-19 Patients. Front. Cell. Infect. Microbiol. 11, 1–7. <https://doi.org/10.3389/fcimb.2021.734005>

Tang, N., Li, D., Wang, X., Sun, Z., 2020. Abnormal coagulation parameters are associated with poor prognosis in patients with novel coronavirus pneumonia. J. Thromb. Haemost. 18, 844–847. <https://doi.org/10.1111/jth.14768>

Thachil, J., 2020. The protective rather than prothrombotic fibrinogen in COVID-19 and other inflammatory states. J. Thromb. Haemost. 18, 1849–1852. <https://doi.org/10.1111/jth.14942>

Vermonte Philips, T.Y.W., 2020. Karakter dan Persebaran Covid-19 di Indonesia. CSIS Comment. 1–12.

Wong, R.S.Y., 2021. Inflammation in COVID-19: from pathogenesis to treatment. Int. J. Clin. Exp. Pathol. 14, 831–844.

Xu, H., Zhong, L., Deng, J., Peng, J., Dan, H., Zeng, X., Li, T., Chen, Q., 2020. High expression of ACE2 receptor of 2019-nCoV on the epithelial cells of oral mucosa. Int. J. Oral Sci. 12, 1–5. <https://doi.org/10.1038/s41368-020-0074-x>