

## DAFTAR PUSTAKA

- Açıksarı, G. *et al.* (2022) ‘Pulmonary Embolism Severity Index and Simplified Pulmonary Embolism Severity Index Risk Scores are Useful to Predict Mortality in Patients with COVID-19’, *Bosphorus Medical Journal*, 9(1) pp.1–8. doi:10.14744/bmj.2022.93824.
- Anand, P. *et al.* (2008) ‘Cancer is a preventable disease that requires major lifestyle changes’, *Pharmaceutical Research*, 25(9), pp. 2097–2116. doi:10.1007/s11095-008-9661-9.
- Bergmann, C.C. and Silverman, R.H. (2020) ‘Covid-19: Coronavirus replication, pathogenesis, and therapeutic strategies’, *Cleveland Clinic Journal of Medicine*, 87(6), pp. 321–327. doi:10.3949/ccjm.87a.20047.
- Bhutta, B.S., Alghoula, F. and Berim, I. (2022) *Hypoxia*, *National Library of Medicine*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK482316/> (Accessed: 20 June 2023).
- Biedka, M., Ziółkowska, E. and Windorbska, W. (2012) ‘Acute pulmonary embolus in the course of cancer’, *Współczesna Onkologia*, 16(5), pp. 388–393. doi:10.5114/wo.2012.31766.
- Biondi, M. *et al.* (2022) ‘Relation of ischemic heart disease to outcomes in patients with acute respiratory distress syndrome’, *The American Journal of Cardiology*, 176, pp. 24–29. doi:10.1016/j.amjcard.2022.04.034.
- Bounds, E.J. and Kok, S.J. (2022) *D Dimer*, *National Library of Medicine*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK431064/> (Accessed: 06 June 2023).
- Brown, R. *et al.* (2020) ‘The impact of aging in acute respiratory distress syndrome: A clinical and mechanistic overview’, *Frontiers in Medicine*, 7. doi:10.3389/fmed.2020.589553.
- Cascella, M. *et al.* (2023) *Features, evaluation, and treatment of coronavirus (COVID-19)*, *National Library of Medicine*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK554776/> (Accessed: 5 June 2023).
- Centers for Disease Control and Prevention (2019) *Pulmonary hypertension*, *Centers for Disease Control and Prevention*. Available at: [https://www.cdc.gov/heartdisease/pulmonary\\_hypertension.htm](https://www.cdc.gov/heartdisease/pulmonary_hypertension.htm) (Accessed: 20 June 2023).

- Chakraborty, R.R. and Burns, B. (2023) *Systemic inflammatory response syndrome, National Library of Medicine*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK547669/> (Accessed: 20 June 2023).
- de Roubin, V. *et al.* (2021) 'High risk of pulmonary embolism in acute respiratory distress syndrome related to COVID-19: An observational controlled-cohort study', *Annals of Translational Medicine*, 9(8), pp. 630–630. doi:10.21037/atm-20-6796.
- Diamond, M. *et al.* (2023) *Acute respiratory distress syndrome, National Library of Medicine*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK436002/> (Accessed: 12 June 2023).
- Fatoni, A.Z., Dzakiyyah, N.F. & Soeiono, C.A. (2021) 'Emboli Paru pada COVID-19', *Majalah Anestesia & Critical Care*, 39(3), pp. 176–192. doi:10.55497/majanestcricar.v39i3.212.
- Garrison, D.M., Pendela, V.S. and Memon, J. (2022) *Cor pulmonale, National Library of Medicine*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK430739/> (Accessed: 7 June 2023).
- Gibson, P.G., Qin, L. and Puah, S.H. (2020) 'COVID-19 acute respiratory distress syndrome (ARDS): clinical features and differences from typical pre-COVID-19 ARDS', *Medical Journal of Australia*, 213(2), pp. 54–56. doi:10.5694/mja2.50674.
- Gong, M.N. *et al.* (2010) 'Body mass index is associated with the development of acute respiratory distress syndrome', *Thorax*, 65(1), pp. 44–50. doi:10.1136/thx.2009.117572.
- Goodgame, B. *et al.* (2012) 'Correlation of Pulse Oximetry and Arterial PO<sub>2</sub> in The Undifferentiated Critically Ill Patient', *Critical Care Medicine*, 40, pp. 1–328. doi:10.1097/01.ccm.0000424632.30897.65.
- Goudouris, E.S. (2021) 'Laboratory diagnosis of COVID-19', *Jornal de Pediatria*, 97(1), pp. 7–12. doi:10.1016/j.jped.2020.08.001.
- Habibzadeh, F., Habibzadeh, P. and Yadollahie, M. (2016) 'On determining the most appropriate test cut-off value: The case of tests with continuous results', *Biochemia Medica*, pp. 297–307. doi:10.11613/bm.2016.034.
- Hafen, B.B. and Sharma, S. (2022) *Oxygen Saturation, National Library of Medicine*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK525974/> (Accessed: 8 June 2023).

- Hagen, A. (2020) *Covid-19 Testing FAQs*, American Society for Microbiology. Available at: <https://asm.org/Articles/2020/April/COVID-19-Testing-FAQs> (Accessed: 6 June 2023).
- Harrison, A.G., Lin, T. and Wang, P. (2020) 'Mechanisms of SARS-COV-2 transmission and pathogenesis', *Trends in Immunology*, 41(12), pp. 1100–1115. doi:10.1016/j.it.2020.10.004.
- Heffernan, D.S. *et al.* (2011) 'Gender and acute respiratory distress syndrome in critically injured adults: A prospective study', *Journal of Trauma: Injury, Infection & Critical Care*, 71(4), pp. 878–885. doi:10.1097/ta.0b013e31822c0d31.
- Hibbert, K., Rice, M. and Malhotra, A. (2012) 'Obesity and ARDS', *Chest*, 142(3), pp. 785–790. doi:10.1378/chest.12-0117.
- Ho, K. *et al.* (2021) 'Cancer is an independent risk factor for acute respiratory distress syndrome in critically ill patients: A single center retrospective cohort study', *Journal of Intensive Care Medicine*, 37(3), pp. 385–392. doi:10.1177/08850666211005422.
- Hoffman, J.I. and Buckberg, G.D. (2014) 'The myocardial oxygen supply:demand index revisited', *Journal of the American Heart Association*, 3(1). doi:10.1161/jaha.113.000285.
- Huisman, M.V. *et al.* (2018) 'Pulmonary embolism', *Nature Reviews Disease Primers*, 4(1). doi:10.1038/nrdp.2018.28.
- Jackson, C.B. *et al.* (2021) 'Mechanisms of SARS-COV-2 entry into cells', *Nature Reviews Molecular Cell Biology*, 23(1), pp. 3–20. doi:10.1038/s41580-021-00418-x.
- Jaureguizar, A. *et al.* (2021) 'Heart rate and mortality in patients with acute symptomatic pulmonary embolism', *Chest*, 161(2), pp. 524–534. doi:10.1016/j.chest.2021.08.059.
- Jawerth, N. (2020) *How is The COVID-19 Virus Detected Using Real Time RT-PCR?*, International Atomic Energy Agency. Available at: <https://www.iaea.org/bulletin/how-is-the-covid-19-virus-detected-using-real-time-rt-pcr> (Accessed: 6 June 2023).
- Jiménez, D. *et al.* (2010) 'Simplification of The Pulmonary Embolism Severity Index for Prognostication in Patients with Acute Symptomatic Pulmonary Embolism', *Archives of Internal Medicine*, 170(15), p. 1383. doi:10.1001/archinternmed.2010.199.

- Kalayci, S. *et al.* (2022) 'Pulmonary Embolism Severity Index Predicts Adverse Events in Hospitalized COVID-19 Patients: A Retrospective Observational Study', *Journal of Cardiothoracic and Vascular Anesthesia*, 36(12), pp. 4403–4409. doi:10.1053/j.jvca.2022.08.009.
- Kao, K.-C. *et al.* (2017) 'Coinfection and mortality in pneumonia-related acute respiratory distress syndrome patients with bronchoalveolar lavage', *Shock*, 47(5), pp. 615–620. doi:10.1097/shk.0000000000000802.
- Karipipot, A. *et al.* (2012) 'The clinical characteristics of pulmonary embolism in patients with malignancy: A single medical institutional experience', *North American Journal of Medical Sciences*, 4(11), pp. 600–604. doi:10.4103/1947-2714.103333.
- Keller, K. *et al.* (2015) 'Blood pressure for outcome prediction and risk stratification in acute pulmonary embolism', *The American Journal of Emergency Medicine*, 33(11), pp. 1617–1621. doi:10.1016/j.ajem.2015.07.009.
- Kilic, T. *et al.* (2014) 'Prognostic role of Simplified pulmonary embolism severity index and the European Society of Cardiology prognostic model on short- and long-term risk stratification in pulmonary embolism.', *Pakistan Journal of Medical Sciences*, 30(6), pp. 1259–1264. doi:10.12669/pjms.306.5737.
- Killien, E.Y. *et al.* (2019) 'Association between age and acute respiratory distress syndrome development and mortality following trauma', *Journal of Trauma and Acute Care Surgery*, 86(5), pp. 844–852. doi:10.1097/ta.0000000000002202.
- Kementerian Kesehatan Republik Indonesia (2023) *Pemantauan Kasus COVID-19 Provinsi DI Yogyakarta, Pemantauan COVID-19 Kementerian Kesehatan Republik Indonesia*. Available at: [https://pusatkrisis.kemkes.go.id/covid-19-id/detail\\_covid/gkc](https://pusatkrisis.kemkes.go.id/covid-19-id/detail_covid/gkc) (Accessed: 5 June 2023).
- Kushner, A. *et al.* (2022) *Virchow Triad*, *National Library of Medicine*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK539697/> (Accessed: 6 June 2023).
- Li, Y. *et al.* (2018) 'Impact of healthy lifestyle factors on life expectancies in the US population', *Circulation*, 138(4), pp. 345–355. doi:10.1161/circulationaha.117.032047.
- Middeldorp, S. *et al.* (2020) 'Incidence of venous thromboembolism in hospitalized patients with Covid-19', *Journal of Thrombosis and Haemostasis*, 18(8), pp. 1995–2002. doi:10.1111/jth.14888.

Moazed, F. *et al.* (2016) 'Cigarette smokers have exaggerated alveolar barrier disruption in response to lipopolysaccharide inhalation', *Thorax*, 71(12), pp. 1130–1136. doi:10.1136/thoraxjnl-2015-207886.

Mohanty, P. *et al.* (2022) 'Gender difference in prevalence of hypertension among Indians across various age-groups: A report from multiple nationally representative samples', *BMC Public Health*, 22(1). doi:10.1186/s12889-022-13949-5.

Moore, A.J. *et al.* (2018) 'Imaging of acute pulmonary embolism: an update', *Cardiovascular Diagnosis and Therapy*, 8(3), pp. 225–243. doi:10.21037/cdt.2017.12.01.

Mortaz, E. *et al.* (2020) 'The immune response and immunopathology of COVID-19', *Frontiers in Immunology*, 11. doi:10.3389/fimmu.2020.02037.

National Cancer Institute (2015) *Risk Factors for Cancer*, National Cancer Institute. Available at: <https://www.cancer.gov/about-cancer/causes-prevention/risk> (Accessed: 7 June 2023).

National Cancer Institute (2021) *What is Cancer?*, National Cancer Institute. Available at: <https://www.cancer.gov/about-cancer/understanding/what-is-cancer> (Accessed: 7 June 2023).

National Heart Lung and Blood Institute (2022) *Causes and Risk Factors*, National Heart Lung and Blood Institute. Available at: <https://www.nhlbi.nih.gov/health/copd/causes> (Accessed: 7 June 2023).

National Heart Lung and Blood Institute (2022) *How the Heart Beats*, National Heart Lung and Blood Institute. Available at: <https://www.nhlbi.nih.gov/health/heart/heart-beats#:~:text=Your%20heart%20has%20a%20special,to%20contract%20and%20pump%20blood.> (Accessed: 7 June 2023).

National Institutes of Health (2023) *Clinical Spectrum of SARS-CoV-2 Infection, COVID-19 Treatment Guidelines*. Available at: <https://www.covid19treatmentguidelines.nih.gov/overview/clinical-spectrum/> (Accessed: 5 June 2023).

National Institute on Aging (2022) *High Blood Pressure and Older Adults*, National Institute on Aging. Available at: <https://www.nia.nih.gov/health/high-blood-pressure-and-older-adults> (Accessed: 7 June 2023).

Oberman, R. and Bhardwaj, A. (2022) *Physiology, Cardiac*, National Library of Medicine. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK526089/> (Accessed: 7 June 2023).

- Panuganti, K.K., Nguyen, M. and Kshirsagar, R.K. (2022) *Obesity, National Library of Medicine*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK459357/> (Accessed: 15 June 2023).
- Pfortmueller, C.A. *et al.* (2021) 'Covid-19-associated acute respiratory distress syndrome (ARDS): Current knowledge on pathophysiology and ICU treatment – A narrative review', *Best Practice & Research Clinical Anaesthesiology*, 35(3), pp. 351–368. doi:10.1016/j.bpa.2020.12.011.
- Pham, K., Parikh, K. and Heinrich, E.C. (2021) 'Hypoxia and inflammation: Insights from high-altitude physiology', *Frontiers in Physiology*, 12. doi:10.3389/fphys.2021.676782.
- Prnjavorac, B. *et al.* (2016) 'Septic pulmonary embolisms as a cause of acute respiratory distress syndrome', *4.3 Pulmonary Circulation and Pulmonary Vascular Diseases* [Preprint]. doi:10.1183/13993003.congress-2016.pa2443.
- Punukollu, H. *et al.* (2005) 'Acute pulmonary embolism in elderly: Clinical characteristics and outcome', *International Journal of Cardiology*, 99(2), pp. 213–216. doi:10.1016/j.ijcard.2004.01.011.
- Quezada, A. *et al.* (2020) 'Systolic blood pressure and mortality in acute symptomatic pulmonary embolism', *International Journal of Cardiology*, 302, pp. 157–163. doi:10.1016/j.ijcard.2019.11.102.
- Robert-Ebadi, H. and Righini, M. (2014) 'Diagnosis and management of pulmonary embolism in the elderly', *European Journal of Internal Medicine*, 25(4), pp. 343–349. doi:10.1016/j.ejim.2014.03.009.
- Rosner, B. (2011) Chapter 7: Hypothesis Testing: Categorical Data/Estimation of Sample Size and Power for Comparing Two Binomial Proportions. *Fundamentals of Biostatistics*, 7th Edition, Brooks/Cole, Boston.
- Rosovsky, R.P. *et al.* (2020) 'Diagnosis and treatment of pulmonary embolism during the coronavirus disease 2019 pandemic', *Chest*, 158(6), pp. 2590–2601. doi:10.1016/j.chest.2020.08.2064.
- Rumende, C.M. and Wijaya, I.P.E.K. (2020) *Acute Respiratory Distress Syndrome, Indonesia Journal Chest*. Available at: <http://www.indonesiajournalchest.com/index.php/IJC/issue/view/150/> (Accessed: 12 June 2023).
- Schreiber, M. L. (2018) 'Acute Respiratory Distress Syndrome', *MedSurg Nursing*, 27(1), 59+, Available

at: <https://link.gale.com/apps/doc/A529490132/AONE?u=anon~bd9b63f6&sid=googleScholar&xid=0faf0b3b> (Accessed: 12 June 2023)

- Shahoud, J.S., Sanvictores, T. and Aeddula, N.R. (2022) *Physiology, Arterial Pressure Regulation, National Library of Medicine*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK538509/> (Accessed: 07 June 2023).
- Sørensen, H.T. *et al.* (2000) 'Prognosis of cancers associated with venous thromboembolism', *New England Journal of Medicine*, 343(25), pp. 1846–1850. doi:10.1056/nejm200012213432504.
- Swenson, K.E. and Hardin, C.C. (2023) 'Pathophysiology of hypoxemia in covid-19 lung disease', *Clinics in Chest Medicine*, 44(2), pp. 239–248. doi:10.1016/j.ccm.2022.11.007.
- Torkian, S. *et al.* (2023) 'Clinical epidemiology and effect modeling of heart disease on mortality of SARS-CoV-2 and acute respiratory distress syndrome patients: A multi-center study from Iran', *Immunopathologia Persa*, 10(10). doi:10.34172/ipp.2023.39488.
- Trimaille, A. *et al.* (2021) 'Acute pulmonary embolism in patients with and without COVID-19', *Journal of Clinical Medicine*, 10(10), p. 2045. doi:10.3390/jcm10102045.
- Turetz, M. *et al.* (2018) 'Epidemiology, Pathophysiology, and natural history of pulmonary embolism', *Seminars in Interventional Radiology*, 35(02), pp. 92–98. doi:10.1055/s-0038-1642036.
- Unal, I. (2017) 'Defining an optimal cut-point value in ROC analysis: An alternative approach', *Computational and Mathematical Methods in Medicine*, 2017, pp. 1–14. doi:10.1155/2017/3762651.
- Villar, J. *et al.* (2018) 'Is overall mortality the right composite endpoint in clinical trials of Acute Respiratory distress syndrome?\*', *Critical Care Medicine*, 46(6), pp. 892–899. doi:10.1097/ccm.0000000000003022.
- Vold, M.L. *et al.* (2012) 'Predictors of oxygen saturation  $\leq 95\%$  in a cross-sectional population based survey', *Respiratory Medicine*, 106(11), pp. 1551–1558. doi:10.1016/j.rmed.2012.06.016.
- Vyas, V. & Goyal, A. (2022) *Acute Pulmonary Embolism, National Library of Medicine*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK560551/> (Accessed: 6 June 2023).

- Wu, Z. & McGoogan, J.M. (2020) ‘Characteristics of and Important Lessons from The Coronavirus Disease 2019 (COVID-19) Outbreak in China’, *JAMA*, 323(13), p. 1239. doi:10.1001/jama.2020.2648.
- World Health Organization (2023) *WHO Coronavirus (COVID-19) Dashboard*, World Health Organization. Available at: <https://covid19.who.int/> (Accessed: 5 June 2023).
- World Health Organization (2022) *Ageing and Health*, World Health Organization. Available at: <https://www.who.int/news-room/fact-sheets/detail/ageing-and-health> (Accessed: 06 June 2023).
- Xu, W. *et al.* (2022) ‘Association between age, gender, body mass index, and pulmonary function in preoperative patients with lung cancer’, *The Clinical Respiratory Journal*, 16(3), pp. 244–251. doi:10.1111/crj.13476.
- Yousif, M. and Hussein, S.A. (2020) ‘Original, simplified, and modified pulmonary embolism severity indices in risk stratification of pulmonary embolism’, *European Respiratory Journal*, 56(64). doi:10.1183/13993003.congress-2020.3456.
- Zhang, J.-R. *et al.* (2021) ‘Simplified pulmonary embolism severity index is associated with recurrent venous thromboembolism in patients with pulmonary embolism’, *Chinese Medical Journal*, 134(3), pp. 359–361. doi:10.1097/cm9.0000000000001162.
- Zheng, J. *et al.* (2022) ‘Mechanism of covid-19 causing Ards: Exploring the possibility of preventing and treating SARS-COV-2’, *Frontiers in Cellular and Infection Microbiology*, 12. doi:10.3389/fcimb.2022.931061.