

DAFTAR PUSTAKA

- Andreini D, Arbelo E, Barbato E, et al. 2002. ESC Guidelines for the diagnosis and management CV disease during the COVID-19 pandemic. European society of cardiology.
- Antman EL. Anbe DT. Armstrong PW. Bates ER, et al. 2004. ACC/AHA Guidelines for The Management of patients with ST-elevation myocardial infarction. ACC/AHA practice Guidelines. 83-293
- Araneo, B. A., Dowell, T., Diegel, M., & Daynes, R. A. (1991). Dihydrotestosterone exerts a depressive influence on the production of interleukin-4 (IL-4), IL-5, and gamma-interferon, but not IL-2 by activated murine T cells. *Blood*, 78(3), 688–699.
- Bergheanu SC. Bodde MC. Jukema JW. 2017. Pathophysiology and treatment of atherosclerosis. *Neth Heart J*. 25:231-242
- Bongiovanni D, Mayer K, Schreiner N, Karschin V, Wustrow I, Gosetti R, Schunkert H, Laugwitz KL, Schuepke S, Kastrati A, Berniocchi I. 2020. Immature Platelet Fraction is a strong predictor of adverse Cardiac events in patients with acute. *Eur Heart Journ*.41(2)
- Burhan E, Isbaniah F, Susanto AD, Aditama TY, Soedarsono, Sartono TR, Sugiri YJ, Tantular R, Sinaga BYM, Handayani RR, Agustin H. 2020. Pneumonia Covid-19. *Perhimpunan Dokter Paru Indonesia*, 2020.
- Chang D, Lin M, Wei L, Xie L, Zhu G, Dela Cruz CS, Sharma L. 2020. Epidemiologic and clinical characteristics of novel coronavirus infections involving 13 patients outside Wuhan, China. *JAMA*
- Clerkin K.J, Fried J.A, Raikhelkar J, Sayer G, Griffin JM, Masoumi A, Jain SS, Burkhoff D, Kumaraiah D, Rabbani LR. 2020. Coronavirus disease 2019 (COVID-19) and cardiovascular disease. *Circulation* **2020**
- Cohen A, Harari E, Cipok M, Lash-Farkash A, Bryk G, Yahud, E, Sela Y, Lador NK, Mann T, Mayo A, Lev E. 2020. Immature platelets in patients hospitalized with Covid-19. *Journ of thromb thrombolysis*:1-9

- Corrales-Medina VF, Musher DM, Wells GA, Chirinos JA, Chen L, Fine MJ. Cardiac complications in patients with community-acquired pneumonia: Clinical Perspective. *Circulation*. 2012;125(6):773-81.
- Corrales-Medina VF, Serpa J, Rueda AM, Giordano TP, Bozkurt B, Madjid M, et al. Acute bacterial pneumonia is associated with the occurrence of acute coronary syndromes. *Medicine*. 2009;88(3):154-9.
- Corrales-Medina VF, Suh KN, Rose G, Chirinos JA, Doucette S, Cameron DW, et al. Cardiac complications in patients with community-acquired pneumonia: a systematic review and meta-analysis of observational studies. *PLoS Med*. 2011;8(6):e1001048.
- Corrales-medina VF. Musher DM. Shachkina S, et al. 2013. Acute pneumonia and the cardiovascular system. *Lancet*;381: 496-505
- Corrales-medina VF. Musher DM. Shachkina S, et al. 2013. Acute pneumonia and the cardiovascular system. *Lancet*;381: 496-505
- Cowling BJ, Aiello A. Public health measures to slow community spread of COVID-19. *J Infect Dis* 2020.
- Crackower MA, Sarao R, Oudit GY, Yagil C, Kozieradzki I, Scanga SE, et al. 2020. Angiotensin-converting enzyme 2 is an essential regulator of heart function. *Nature*;417: 822–8.
- Das B, Mishra TK. 2016. Prevention and Management of Arrhythmias in Acute Myocardial Infarction. *Journ of contemporary med resours*;3(5): 1401-1405
- Dan S, Pant M, Upadhyay SK. 2020. The Case Fatality Rate in COVID-19 Patients With Cardiovascular Disease : Global Health Challenge and paradigm in the Current Pandemic. *Curr Pharmacol Rep*; 15:1-10
- Dharma S, Andriantoro H, Purnawan I, Dakota I, Basalamah F, Hartono B, et al. 2016. Characteristics, treatment and in-hospital outcomes of patients with STEMI in a metropolitan area of a developing country: an initial report of the extended Jakarta Acute Coronary Syndrome registry. *BMJ Open*. 6(8): e012193.
- Dharma S. 2017. Buku ajar kardiovaskular. Edisi pertama. Sagung Seto. Jakarta

- Driggin E, Madhavan MV, Bikdeli B, Chuich T, Laracy J, Zoccai GB, Brown TS, Nighoghossian CD, Zidar DA, Haythe J, Brodie D, Beckman JA, Kirtane AJ, Stone GW, Krumholz HM, Parikh SA. 2020. Cardiovascular Consideration for Patients, Health Care Workers, and Health Systems During the COVID-19 Pandemic. *JACC*;75(18): 2352-2371
- Dufour LS, Lang S, Ederhy S, Scheuble SA, Droit MC, Nhan P, Jean ML, Said RB, Issaurat P, Franck B, Cohen A. 2020. Left ventricular ejection fraction : An additional risk marker in COVID-19. *Arch Cardiovasc Dis*;113(11):760-762
- Di Mario A, Garzia M, Leone F, Arcangeli A, Pagano L, Zini G. 2009. Immature platelet fraction (IPF) in hospitalized patients with neutrophilia and suspected bacterial infection. *The Journal of Infection*. 59(3):201-6.
- Ferroni P, Riondino S, Vazzana N, Santoro N, Guadagni F, Davì G. Biomarkers of platelet activation in acute coronary syndromes. *Thrombosis and Haemostasis*. 2012;108(6):1109-23.
- Gani G, Mappangara I, Mappahya AA, Setiadji R. 2016. Immature Platelet Fraction Level in Acute Coronary Syndrome With and Without Comorbid of Community Acquired Pneumonia. *Cardiology department medical faculty. Hasanuddin university. Makassar*
- Guo T, Fan Y, Chen M, Wu X, Zhang L, He T, et al. 2020. Cardiovascular implications of fatal outcomes of patients with coronavirus disease 2019 (COVID-19). *J Am Med Asso Cardiol.*;5:811.
- Guan W, Ni Z, Hu Y, Liang W, Ou C, He X, et al. Clinical characteristics of coronavirus disease 2019 in China. *New Eng J Med*. 2020;382(18):1708–20
- Gopinathannair R, Merchant FM, Lakkireddy DR, Etheridge SP, Feigofsky S, Han JK. 2020. COVID-19 and cardiac arrhythmias: a global perspective on arrhythmia characteristics and management strategies. *J Interv Card Electrophysiol*.
- Grove E, Hvas A-M, Mortensen SB, Larsen SB, Kristensen SD. Effect of platelet turnover on whole blood platelet aggregation in patients with coronary artery disease. *Thrombosis and Haemostasis*. 2011;9(1):185-91.
- Grove EL, Hvas A-M, Kristensen SD. Immature platelets in patients with acute coronary syndromes. *Thrombosis and Haemostasis*. 2009;101(1):151-6.

- Grove EL, Kristensen SD, Hvas AM. 2009. Immature platelets in patients with acute coronary syndromes. *Thromb and haemostatis journ*;101: 151-156
- Hasanah DY, Nauli SE, Dewi PP, Suryani LD, Suryana NM, Putri VKP, Aditya W. 2020. Gangguan Kardiovaskular Pada Infeksi COVID-19. *Indonesian J Cardiol*;41:59-68
- Hendren NS, Drazner MH, Bozkurt B, Cooper LT. (2020) Description and Proposed Management of the Acute COVID-19 Cardiovascular Syndrome. *Circulation*. 141:1903–1914
- Hottz ED, Bozza FA, Bozza PT. 2020. Platelets in immune response to virus and immunopathology of viral infections. *Front Med (Lausanne)*
- Huang, C.; Wang, Y.; Li, X.; Ren, L.; Zhao, J.; Hu, Y.; Zhang, L.; Fan, G.; Xu, J.; Gu, X.; et al. 2020. Clinical features of patients infected with 2019 novel coronavirus in Wuhan, China. *Lancet*. 395, 497–506
- Huang HL, Chen CH, Kung C, et al. 2019. Clinical utility of mean platelet volume and immature platelet fraction in acute coronary syndrome. *Biom journ*;107(42): 1-9
- Ibanez B, James S, Agewal S, et al. 2017. 2017 Guidelines for the management of acute myocardial infarction in patients presenting with ST segment elevation-web addena. *Eur Heart journ*. 1-8
- Ibanez B, James S, Agewal S, et al. 2018. 2017 Guidelines for the management of acute myocardial infarction in patients presenting with ST segment elevation. *Eur Heart journ*. 39: 119-177
- Ibrahim H, Nadipalli S, DeLao T, Guthikonda S, Kleiman NS. 2012. Immature platelet fraction (IPF) determined with an automated method predicts clopidogrel hyporesponsiveness. *Journal of Thrombosis and Thrombolysis*;33(2):137-42.
- Irmalita T, Juzar DA, Andrianto A, Setianto BY, Tobing DPL, Firman D, Firdaus I. 2015. Pedoman tatalaksana Sindrom Koroner Akut. Perhimpunan Dokter SPesialis Kardiovaskular Indonesia. 03:15-16
- Juzar DA, Danny SS, Irmalita T, et al. Kementrian Kesehatan RI. 2013. Riset Kesehatan Dasar. Badan penelitian dan pengembangan Kesehatan. Jakarta

- Kissova J, Bulikova A, Ovesna P, Bourkova L, Penka M. 2014. Increased mean platelet volume and immature platelet fraction as potential predictors of thrombotic complications in BCR/ABL-negative myeloproliferative neoplasms. *Int J Hematol.*100(5):429–43
- Lagunas-Rangel FA. 2020. Neutrophil-to-lymphocyte ratio and lymphocyte-to-Creactive protein ratio in patients with severe coronavirus disease 2019 (COVID-19): a meta-analysis. *J Med Virol* 2020.
- M. Aspar, A.F.M. Pramudyo, M. 2018. Pedoman Tatalaksana Sindrom Koroner Akut. Ed.4 *Jurnal Kardiologi Indonesia*: 1-94
- Mikhael R, Hindoro E, Taner S, Lukito AA. 2020. Neutrophil-to-lymphocyte ratio for predictor of in-hospital mortality in ST-segment elevation myocardial infarction:a meta-analysis. *Med J indones*;29: 172-182
- Muronoi T, Koyama K, Nunomiya S, Lefor AK, Wada M, Koinuma T, Shima J, Suzukawa M. Immature platelet fraction predicts coagulopathy-related platelet consumption and mortality in patients with sepsis. *Thromb Res*, 2016 Aug;144:169–175
- Navdeep K. Brar M, Michael S. Niederman, MD.2011. Management of community-acquired Pneumonia. *Therapeutic Advances in Respiratory Disease*. 5(1):61 -78
- Quadros AS, Cambuzzi E, Sebben J, David RB, Abelin A, Welter D, Sarmiento R, Mehta RH, Gottschall C, Lopes RD. 2012. Red versus white thrombi in patients with ST-elevation myocardial infarction undergoing primary percutaneous coronary intervention : clinical and angiographic outcomes. *Am Heart J.*;164 : 553-60
- Palaiodimos L, Kokkinidis DG, Li W, Karamanis D, Ognibene J, Arora S, Southern WN, Mantzoros CS. 2020 Severe obesity, increasing age and male sex are independently associated with worse in-hospital outcomes, and higher in-hospital mortality, in a cohort of patients with COVID-19 in the Bronx, New York. *Metabolism*; 108:154262

- Rha, JW. Sabatine M.S. Lilly, L.S. 2011. Acute Coronary Syndrome: in Pathophysiology of Heart Disease. Fifth Edition: 161-189
- Rijneveld AW, Weijer S. Bresser P, et al. 2006. Local activation of the tissue factor-factor VIIa pathway in patients with pneumonia and the effect of inhibition of this pathway in murine pneumococcal pneumonia. Crit care Med;34:1725-30
- Russo V, Rago A, Carbone A, Bottino R, Ammendola E, Della Cioppa N, Galante D, Golino P, Nigro G. 2020. Atrial fibrillation in COVID-19: from epidemiological association to pharmacological implications. J Cardiovasc Pharmacol;76(2):138-145
- Rubenstein JC, Cinquegrani MP, Wright J. 2012. Atrial fibrillation in acute coronary syndrome. Journ Afib; 5(1): 35-42
- Samidurai A, Das A. 2020. Cardiovascular Complication Associated With COVID-19 and Potential Therapeutic Strategies. Int J mol Sci;2:1-27
- Schiavone M, Gobbi C, Biondi G, Ascenzo FD, Palazzuoli A, Gasperetti A, Mitacchione G, Viecca M, Galli M, Fedele F, Mancone M, Forleo B. 2020. Acute Coronary Syndromes and Covid-19: Exploring the uncertainties. J Clin Med;9:1-19
- Suen, L. K. P., So, Z. Y. Y., Yeung, S. K. W., Lo, K. Y. K., & Lam, S. C. 2019. Epidemiological investigation on hand hygiene knowledge and behaviour: A cross-sectional study on gender disparity. BMC Public Health, 19(1), 401.
- Sugihantono A, Burhan E, Aryati RW, Sitompul PA, et al. 2020. Pedoman Pencegahan dan Pengendalian Coronavirus Disease (COVID-19). 5 ED. Jakarta : Kementerian Kesehatan RI
- Sun S, Cai X, Wang H, He G, Lin Y, Lu B. 2020. Abnormalities of peripheral blood system in patients with COVID-19 in Wenzhou, China. international journal of clinical chemistry; 507:174-180

- Susilo A, Rumende M, Pitoyo CW. 2020. Coronavirus Disease 2019: Tinjauan Literatur Terkini
Coronavirus Disease 2019: Review of Current Literatures. Journal penyakit dalam:7(1) 45-67
- Sato R, Rey GG, Nelson S, Pinsky B. 2013. Community-acquired pneumonia episode costs by age and risk in commercially insured US adults aged \geq 50 years. *Applied health economics and health policy*.11(3):251-8.
- Schmitt J, Duray G, Gersh BJ, et al. 2019. Atrial fibrillation in acute myocardial infarction: a systematic review of the incidence, clinical features and prognostic implications. *Eur heart J*.30:1038-45
- Shi, S.; Qin, M.; Shen, B.; Cai, Y.; Liu, T.; Yang, F.; Gong, W.; Liu, X.; Liang, J.; Zhao, Q.; et al. Association of cardiac injury with mortality in hospitalized patients with COVID-19 in Wuhan, China. *JAMA Cardiol*. 2020
- Soraya GV, Ulhaq ZS. 2020. Crucial laboratory parameters in COVID-19 diagnosis and prognosis: an updated meta-analysis. *SSRN electronic journ*.
- Steg, Gabriel. Third universal definition of myocardial infarction. *European Heart Journal* 33.20 (2012): 2551.
- Tai S, Tai JJ, Tang L, et al. 2018. Management and Outcome of Ventricular Septal Rupture Complicating Acute Myocardial Infarction: What Is New in the Era of Percutaneous Intervention. *Cardiology* 14:226-232
- 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(4): 844-847
- Thygesen K, Alpert JS, Jaffe AS, Simoons ML, Chaitman BR, White HD. 2012. Third Universal Definition of Myocardial Infarction. *Circulation*.
- Vahdatpour C, Collins D, Goldberg S, et al. 2019. Cardiogenic shock. *Circ AHA*. 8(8):1-11
- Würtz M, Wulff LN, Grove EL, Kristensen SD, Hvas A-M. 2012. Influence of renal function and platelet turnover on the antiplatelet effect of aspirin. *Thrombosis Research*. 129(4):434-40.

Yende S, D'angelo G, Mayr F, et al. 2011. Elevated hemostatic markers after pneumonia increase one-year risk of all-cause and cardiovascular deaths. *Plos one*;6:22847

Wang, D.; Hu, B.; Hu, C.; Zhu, F.; Liu, X.; Zhang, J.; Wang, B.; Xiang, H.; Cheng, Z.; Xiong, Y.; et al. 2020. Clinical characteristics of 138 hospitalized patients with 2019 novel coronavirus-infected pneumonia in Wuhan, China. *JAMA J. Am. Med. Assoc.* 323, 1061–1069

Xia X, Wen M, Zhan S, He J, Chen W. An increased neutrophil/lymphocyte ratio is an early warning signal of severe COVID-19. *Journal of Southern Medical University* 2020;40(3).

Xiong TY, Redwood S, Prendergast B, Chen M. 2020. Coronaviruses and the cardiovascular system: acute and long-term implications. *Eur. Heart J.* ;41(19):1798-1800.

Zhou, F.; Yu, T.; Du, R.; Fan, G.; Liu, Y.; Liu, Z.; Xiang, J.; Wang, Y.; Song, B.; Gu, X.; et al. Clinical course and risk factors for mortality of adult inpatients with COVID-19 in Wuhan, China: A retrospective cohort study. *Lancet* **2020**, 395, 1054–1062