

DAFTAR PUSTAKA

- Alexander, K.P., Newby, L.K., Armstrong, P.W., Cannon, C.P., Gibler, W.B., Rich, M.W., *et al.*, 2007. Acute Coronary Care in the Elderly, Part II ST-Segment–Elevation Myocardial Infarction. *Circulation* 115:257-2589.
- Alvitigala B.Y., Azra M.A.F., Kottahahachchi D.U., Jayasekara MMPT., Wijesinghe RANK., 2018. A study of association between platelet volume indices and ST elevation myocardial infarction. *IJC Heart & Vasculature* 21:7-10.
- Alwi, I., 2014. Infark miyokard akut dengan ST elevasi. In: Buku Ajar Ilmu Penyakit Dalam edisi keenam. Interna Publishing, Jakarta Pusat.
- Alzahrani S.H., Ajjan R.A., 2010. Coagulation and fibrinolysis in diabetes. *Diabetes Vasc Dis Res* 7:260-73.
- Berger, A.K., Radford, M.J., Wang, Y., Krumholz, H.M., 2000. Thrombolytic therapy in older patients. *J Am Coll Cardiol* 36:366–374.
- Biino, G., Santimone, I., Minelli, C., Sorice, R., Frongia, B., Traglia, M., *et al.*, 2013. Age- and sex-related variations in platelet count in Italy: a proposal of reference ranges based on 40987 subjects' data. *PLoS One* 8:e54289.
- Boersma E, Maas AC, Deckers JW, Simoons ML. 1996. Early thrombolytic treatment in acute myocardial infarction: reappraisal of the golden hour. *Lancet*; 348: 771-75
- Cetin, M., Bakirci, E.M., Baysal, E., Tasolar, H., Balli, M., Cakici, M., *et al.*, 2014. Increased platelet distribution width is associated with ST-segment elevation myocardial infarction and thrombolysis failure. *Angiology* 65(8):737-43.
- Cho S.Y., You E., Lee H., Lee W., Park T., 2014. Smoking cessation decreases mean platelet volume in healthy Korean populations. *Clinical Laboratory* 60.
- Coppola, R., Mari, D., Lattuada, A., Franceschi, C., 2003. von Willebrand factor in Italian centerians. *Haematologia* 88:39-43.
- Davì, G., Patrono, C., 2007. Platelet Activation and Atherothrombosis. *N Engl J Med* 357:2482-94.

- Dayal, S., Wilson, K.M., Motto, D.G., Miller, Jr., F.J., Chauhan, A.K., Lentz, S.R., 2013. Hydrogen peroxide promotes aging-related platelet hyperactivation and thrombosis. *Circulation* 127:1308–1316.
- de Goes Jorge J., Santos MAS., Filho JASB., Oliveira JLM., de Melo E.N., de Oliveira A., Faro GBA., Sousa ACS. 2016. Level of physical activity and in-hospital course of patients with acute coronary syndrome. *Arq Bras Cardiol* 106(1):33-40.
- Dharma, S., Juzar, D.A., Firdaus, I., Soerinata, S., Wardeh, A.J., Jukema, J.W., 2012. Acute myocardial infarction system of car in the third world. *Nat Heart J* 20:254-259.
- 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. *Br Med J* 6:e012193.
- Eagle, K.A., Goodman, S.G., Avezum, A., Budaj, A., Sullivan, C.M., Lopez, S.J.; GRACE Investigators. 2002. Practice variation and missed opportunities for reperfusion in ST-segment–elevation myocardial infarction: findings from the Global Registry of Acute Coronary Events (GRACE). *Lancet* 359:373–377.
- Fibrinolytic Therapy Trialists’ (FTT) Collaborative Group., 1994. Indications for fibrinolytic therapy in suspected acute myocardial infarction: collaborative overview of early mortality and major morbidity results from all randomized trials of more than 1000 patients. *Lancet* 343: 311–322.
- Frossard, M., Fuchs, I., Leitner, J.M., *et al.*, 2004. Platelet function predicts myocardial damage in patients with acute myocardial infarction. *Circulation* 110:1392-7.
- Furuncuoglu Y., Tulgar S., Dogan A.N., Cakar S., Tulgar Y.K., Cakiroglu B., 2016. How obesity affects the neutrophil/lymphocyte and platelet/lymphocyte ratio, systemic immune-inflammatory index and platelet indices: a retrospective study. *Eur Rev Med Pharmacol Sci* 20: 1300-1306.
- Ghaffari, S., Pourafkani, L., Javadzadegan, H., Masoumi, N., Jafarabadi, M.A., Nader, N.D., 2015. Mean platelet volume is a predictor resolution following thrombolysis in acute ST elevation myocardial infarction. *Thromb Res* 136(1):101-6.

- Hou J., Liu C, Yao P., et al., 2015. Association of adiposity indices with platelet distribution width and mean platelet volume in Chinese adults. *PLoS One* 10(6): article e0129677.
- Jayachandran, M., Karnicki, K., Miller, R.S., Owen, W.G., Korach, K.S., Miller, V.M., 2005. Platelet characteristics change with aging: role of estrogen receptor beta. *J Gerontol A* 60:815–819.
- Johnson, M., Ramey, E., Ramwell, P.W., 1975. Sex and age differences in human platelet aggregation. *Nature* 253:355–357
- Karha J., Murphy S.A., Kirtane A.J., de Lemos J.A., Aroesty J.M., Cannon C.P., Antman E.M., Braunwald E., Gibson M., 2003. Evaluation of the association of proximal coronary culprit artery lesion location with clinical outcomes in acute myocardial infarction. *Am J Cardiol* 92:913-918.
- Kırbaş, Ö., Kurmuş, Ö., Köseoğlu, C., Karaduman, B.D., Yaşar, A.S., Alemdar, R., Ali, S., Bilge, M., 2014. Association between admission mean platelet volume and ST segment resolution after thrombolytic therapy for acute myocardial infarction. *Anadolu Kardiyol Derg* 14: 728-32.
- Kocas, C., Abaci, O., Halil, G.S., Arslan, S., Cetinkal, G., Bostan, C., 2015. Admission Hyperglycemia Is Associated with Failed Reperfusion Following Fibrinolytic Therapy in Patients with STEMI: Results of a Retrospective Study. *Am J Cardiovasc Drugs*. 35-42.
- Korniluk A., Koper-Lenkiewicz O.M., Kamińska J., Kemonia H., Dymicka-Piekarska V., 2019. Mean Platelet Volume (MPV): New Perspectives for an Old Marker in the Course and Prognosis of Inflammatory Conditions. *Mediators of Inflammation* 1:1-14.
- Koyama, H., Maeno, T., Fukumoto, S., Shoji, T., Yamane, T., Yokoyama, H., et al., 2003. Platelet P-Selectin expression is associated with atherosclerotic wall thickness in carotid artery in humans. *Circulation* 108:524-9.
- Kunicki T.J., Nugent D.J., 2010. The genetics of normal platelet reactivity. *Blood* 116 (15): 2627–2634.
- Kunicki T.J., Williams S.A., Nugent D.J., 2010. Genetic variants that affect platelet function. *Current Opinion in Hematology* 19 (5): 371–379.
- Kunamneni, A., Abdelghani, T.T.A., Ellaiah, P., 2007. Streptokinase—the drug of choice for thrombolytic therapy. *J Thromb Thrombolysis* 23:9–23.
- Kusmada, D., 2006 Jakarta Cardiovascular Study: The city that promotes Indonesia Healthy Heart. Report I. Jakarta.

- Kyto V., Sipila J., Rautava P., 2014. Assosiation of age and gender with anterior location of STEMI. *Int J of Cardiology* 176:1161-62.
- Lee, Y.Y., Tee, M.H., Zurkurnai, Y., Than, W., Sapawi, M., Suhairi, I., 2008. Thrombolytic failure with streptokinase in acute myocardial infarction using electrocardiogram criteria. *Singapore Med J*; 49(4): 304-10.
- Mahendra S., 2016. Prediksi kegagalan fibrinolitik dengan menggunakan sistem skoring pada pasien infark miokard akut elevasi segmen ST (thesis). Universitas Gadjah Mada, Yogyakarta.
- Martin, J.F., Bath, P.M., Burr, M.L., 1991. Influence of platelet size on outcome after myocardial infarction. *Lancet* 338:1409-11.
- Meade, T.W., Vickers, M.V., Thompson, S.G., Stirling, Y., Haines, A.P., Miller, G.J., 1985. Epidemiological characteristics of platelet agregability. *Br Med J* 290:428-432.
- Mehta, R.H., Rathore, S.S., Radford, M.J., Wang, Y., Wang, Y., Krumholz, H.M., 2001. Acute myocardial infarction in the elderly: differences by age. *J Am Coll Cardiol* 38:736-741.
- Maden, O., Kacmaz, F., Selcuk, H., Selcuk, M.T., Aksu T., Tufekcioglu, O., *et al.*, 2009. Relationship of admission hematological indexes with myocardial reperfusion abnormalities in acute ST segment elevation myocardial infarction patients treated with primary percutaneous coronary interventions. *Can J Cardiol* 25(6): E164-e168.
- National Health Survey., 2006. Ministry of Health, Republic of Indonesia. Jakarta.
- Noris P., Melazzini F., Balduini V.L., 2016. New roles for mean platelet volume measurement in the clinical practice? *Platelets* 27(7): 607-612.
- Okoroiwu, H.U., Ogar, C.O., 2018. Mean platelet volume as diagnostic and therapeutic marker of risk and prognosis of heart disease. *Italian Journal of Medicine* 12:10-14.
- Pereg, D., Berlin, T., Mosseri, M., 2010. Mean platelet volume admission correlates with impaired response to thrombolysis in patients with ST-elevation myocardial infarction. *Platelets* 21(2): 117-21.
- Perhimpunan Dokter Hipertensi Indonesia., 2019. Konsensus penatalaksanaan hipertensi 2019. Perhimpunan Dokter Hipertensi Indonesia. Jakarta.

- Perhimpunan Dokter Spesialis Kardiovaskular Indonesia., 2014. Bantuan hidup jantung lanjut-Panduan untuk tenaga kesehatan. Perhimpunan Dokter Spesialis Kardiovaskular Indonesia. Jakarta.
- Perhimpunan Dokter Spesialis Kardiovaskular Indonesia., 2015. Pedoman tatalaksana sindrom koroner akut edisi ketiga. Perhimpunan Dokter Spesialis Kardiovaskular Indonesia. Jakarta.
- Perkumpulan Endokrinologi Indonesia., 2015. Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 di Indonesia. Perkumpulan Endokrinologi Indonesia. Jakarta.
- Pomedli SR dan Lilly LS. 2011. The Electrocardiogram in *Pathophysiology of Heart Disease*. 5th ed. Philadelphia: Lippincott Williams & Wilkins. p: 75-112.
- Rehman, I., Rehman A. Anatomy, Thorax, Heart Left Anterior (LAD) Artery. (Updated 2018 Dec 19). In: StatPearls Publishing (Internet). Treasure Island (FL): StatPearls Publishing: 2020 Jan-.
- Reinthaler, M., Braune, S., Lendlein, A., Landmesser, U., Jung, F., 2016. Platelets and coronary artery disease: Interactions with the blood vessel wall and cardiovascular devices. *Biointerphases* 11(029702):1-8.
- Reinstadler S.J., Eitel C., Fuernau G., de Waha S., Desch S., Mende M, *et al.*, 2017. Association of smoking with myocardial injury and clinical outcome in patients undergoing mechanical reperfusion of ST-elevation myocardial infarction. *European Heart Journal Cardiovascular Imaging* 18:39-45.
- Remková A, Remko M. 2010. The role of renin-angiotensin system in prothrombotic state in essential hypertension. *Physiol Res* 59(1):13-23.
- Rogers, W.J., Canto, J.G., Lambrew, C.T., Teiefenbrunn, A.J., Kinkaid, B., Shoultz, D.A., *et al.*, 2000. Temporal trends the treatment of over 1,5 million patient with myocardial infarction in the US from 1990 through 1999: the National Registry of Myocardial Infarction 1,2 and 3. *J Am Coll Cardiol* 36:2056-63.
- Rosencher, J., Bongard, V., Tazarourte, K., Soulat, L., Savary, D., Elbaz, M., *et al.*, OPTIMAL investigators., 2011. A simple nomogram for early prediction of myocardial reperfusion after pre-hospital thrombolysis. *EuroIntervention : J of EuroPCR*. 7(2):248-255.
- Ruggeri, Z.M., 2002. Platelets in atherothrombosis. *Nat Med* 8(11):1227-1234.

- Rutten, B., Maseri, A., Cianflone, D., Laricchia, A., Cristell, N.A., Durante, A., 2015. Plasma level of active von Willebrand factor are increased in patients with first ST-segment elevation myocardial infarction: A multicenter and multiethnic study. *Acute Cardiovascular Care* 4(1):64-74.
- Sambola, A., Del Blanco, B.G., Ruiz-Meana, M., Francisco, J., Barrabes, J.A., Figueras, J., *et al.*, 2016. Increased von Willebrand factor, P-selectin and fibrin content in occlusive thrombus resistant to lytic therapy. *Thromb Haemost* 115: 1129-37.
- Segal, J.B., Moliterno, A.R., 2006. Platelet counts differ by sex, ethnicity, and age in the United States. *Ann Epidemiol* 16:123–130.
- Sinkovic, A., 2000. Prognostic Role of Plasminogen- Activator-Inhibitor-1 Levels in Treatment with Streptokinase of Patients with Acute Myocardial Infarction. *Clin. Cardiol*; 23:486-489.
- Stenstrand, U., Wallentin, L., Register of Information and Knowledge About Swedish Heart Intensive Care Admissions (RIKS-HIA), 2003. Fibrinolytic therapy in patients 75 years and older with ST-segment elevation myocardial infarction: one-year follow-up for large prospective cohort. *Arch Intern Med* 163:965–971.
- Surendran R., Ganesamoorthy K., 2016. Relationship of platelet distribution width and white blood cell count on admission with ST-segment resolution in patients with ST-elevation myocardial infarction thrombolysed with streptokinase. *Journal of Dental and Medical Sciences* 15: 147-172.
- Thom, T., Haase, N., Rosamond, W., *et al.* 2006. Heart disease and stroke statistics—2006 update. a report from the American Heart Association Statistics Committee and Stroke Statistics Subcommittee. *Circulation* 113:e85-e151.
- Thon, J.N., Italiano, J.E. 2012. Platelets: Production, morphology and ultrastructure. In: Gesele, P., *et al* (eds): *Antiplatelet Agents, Handbook of Experimental Pharmacology*, pp 3-22. Springer-Verlag, Berlin
- Troussard, X., Vol, S., Cornet, E., Bardet, V., Couaillac, J.P., Fossat, C., *et al.*, Group French-Speaking Cellular Hematology, 2014. Full blood count normal reference values for adults in France. *J Clin Pathol* 67:341–344.
- Tulgar Y.K., Cakar S., Tulgar S., Dalkilic O., Cakiroglu B. Uyanik **B.S.**, 2016. The effect of smoking on neutrophil/lymphocyte and platelet/lymphocyte ratio and platelet indices: a retrospective study. *Eur Rev Med Pharmacol Sci* 20: 1312-1318.

- Van der Zee, P.M., Biro, E., Ko, Y., de Winter, R.J., Hack, C.E., Sturk, A., Nieuwland, R., 2006. P-selectin- and CD63-exposing platelet microparticles reflect platelet activation in peripheral arterial disease and myocardial infarction. *Clin Chem* 52(4):657-64.
- Varasteh-ravan, H.R., Ali-Hassan-Sayegh, S., Shokrane, S., Mozayan, M.R., Karimi-bondarabadi, A.A., 2013. Relationship of admission mean platelet volume, platelet distribution width and white blood cells with ST resolution in patients with acute ST segment elevation myocardial infarction treated with streptokinase without history of previous cardiovascular surgery. *Perspectives in Clinical Research* 4(2):125-129.
- White, H.D., Barbash, G.I., Califf, R.M., Simes, R.J., Granger, C.B., Weaver, W.D., *et al.*, 1996. Age and outcome with contemporary thrombolytic therapy: results from the GUSTO-I trial: Global Utilization of Streptokinase and TPA for Occluded Coronary Arteries Trial. *Circulation* 94: 1826–1833.
- Yazici M., Kaya A., Kaya Y., Albayrak S., Cinemre H., Ozhan H., 2009. Lifestyle modification decreases the mean platelet volume in prehypertensive patients. *Platelets* 20(1):58–63.
- Yamamoto K., Takeshita K., Kojima T., Takamatsu J, Saito H., 2005. Aging and plasminogen activator inhibitor-1 (PAI-1) regulation : implication in the pathogenesis of thrombotic disorders. *Cardiovascular Research* 66:276-85.
- Yaşar, A.S., Bilen, E., Yüksel, I.O., Arslantaş, U., Karakaş, F., Kırbaş, O., Bilge, M., 2010. Association between admission mean platelet volume and coronary patency after thrombolytic therapy for acute myocardial infarction. *Arch Turk Soc Cardiol* 38(2):85-89
- Zheng, Z.J., Croft, J.B., Giles, W.H., Mensah, G.A., 2001. Sudden cardiac death in the United States 1989-1998. *Circulation* 104:2158-63.