

DAFTAR PUSTAKA

- Abu-Assi, E., Ferreira-González, I., Ribera, A., Marsal, J. R., Cascant, P., Heras, M., Bueno, H., Sánchez, P. L., Arós, F., Marrugat, J., García-Dorado, D., Peña-Gil, C., González-Juanatey, J. R., & Permanyer-Miralda, G. (2010). "Do GRACE (Global Registry of Acute Coronary events) risk scores still maintain their performance for predicting mortality in the era of contemporary management of acute coronary syndromes?". *American heart journal*, *160*(5), 826–834.e8343. <https://doi.org/10.1016/j.ahj.2010.06.053>.
- Abrignani, M. G., Dominguez, L. J., Biondo, G., Di Girolamo, A., Novo, G., Barbagallo, M., Braschi, A., Braschi, G., & Novo, S. (2005). In-hospital complications of acute myocardial infarction in hypertensive subjects. *American journal of hypertension*, *18*(2 Pt 1), 165–170. <https://doi.org/10.1016/j.amjhyper.2004.09.018>.
- Al-Saif, S. M., Alhabib, K. F., Ullah, A., Hersi, A., Alfaleh, H., Alnemer, K., Tarabin, A., Abuosa, A., Kashour, T., & Al-Murayeh, M. (2012). Age and its relationship to acute coronary syndromes in the Saudi Project for Assessment of Coronary Events (SPACE) registry: The SPACE age study. *Journal of the Saudi Heart Association*, *24*(1), 9–16. <https://doi.org/10.1016/j.jsha.2011.08.001>.
- Alexander, D. S., Philip, D. B., John, K., Nigel, D., & Christopher, P. G. (2012). Acute coronary syndromes: an old age problem. *Journal of Geriatric Cardiology*, *9*(2), 192–196. <https://doi.org/10.3724/sp.j.1263.2012.01312>.
- Antzelevitch, C., & Burashnikov, A. (2011). Overview of Basic Mechanisms of Cardiac Arrhythmia. *Cardiac electrophysiology clinics*, *3*(1), 23–45. <https://doi.org/10.1016/j.ccep.2010.10.012>.
- Awad, H. H., Anderson, F. A., Jr, Gore, J. M., Goodman, S. G., & Goldberg, R. J. (2012). Cardiogenic shock complicating acute coronary syndromes: insights from the Global Registry of Acute Coronary Events. *American heart journal*, *163*(6), 963–971. <https://doi.org/10.1016/j.ahj.2012.03.003>.
- Bae, E. H., Lim, S. Y., Cho, K. H., Choi, J. S., Kim, C. S., Park, J. W., Ma, S. K., Jeong, M. H., & Kim, S. W. (2012). GFR and cardiovascular outcomes after acute myocardial infarction: results from the Korea Acute Myocardial Infarction Registry. *American journal of kidney diseases: the official journal of the National Kidney Foundation*, *59*(6), 795–802. <https://doi.org/10.1053/j.ajkd.2012.01.016>.

- Barton, M., & Meyer, M. R. (2009). Postmenopausal Hypertension. *Hypertension*, *54*(1), 11–18. <https://doi.org/10.1161/hypertensionaha.108.120022>.
- Bell, D. S., Bakris, G. L., & McGill, J. B. (2009). Comparison of carvedilol and metoprolol on serum lipid concentration in diabetic hypertensive patients. *Diabetes, obesity & metabolism*, *11*(3), 234–238. <https://doi.org/10.1111/j.1463-1326.2008.00927.x>.
- Bermudez-Lopez, M., Forne, C., Amigo, N., Bozic, M., Arroyo, D., Bretones, T., Alonso, N., Cambray, S., Del Pino, M. D., Mauricio, D., Gorriz, J. L., Fernandez, E., & Valdivielso, J. M. (2019). An in-depth analysis shows a hidden atherogenic lipoprotein profile in non-diabetic chronic kidney disease patients. *Expert opinion on therapeutic targets*, *23*(7), 619–630. <https://doi.org/10.1080/14728222.2019.1620206>.
- Bermúdez-López, M., Betriu, À., Valdivielso, J. M., Bretones Del Pino, T., Arroyo, D., & Fernández, E. (2018). Beyond the traditional lipid parameters in chronic kidney disease. Más allá de los parámetros lipídicos tradicionales en la enfermedad renal crónica. *Nefrología : publicación oficial de la Sociedad Espanola Nefrologia*, *38*(2), 109–113. <https://doi.org/10.1016/j.nefro.2017.09.008>.
- Borghì, C., Rosei, E. A., Bardin, T., Dawson, J., Dominiczak, A., Kielstein, J. T., Manolis, A. J., Perez-Ruiz, F., & Mancia, G. (2015). Serum uric acid and the risk of cardiovascular and renal disease. *Journal of hypertension*, *33*(9), 1729–1741. <https://doi.org/10.1097/HJH.0000000000000701>.
- Bordejevic, D. A., Caruntu, F., Mornos, C., Olariu, I., Petrescu, L., Tomescu, M. C., Citu, I., Mavrea, A., & Pescariu, S. (2017). Prognostic impact of blood pressure and heart rate at admission on in-hospital mortality after primary percutaneous intervention for acute myocardial infarction with ST-segment elevation in western Romania. *Therapeutics and clinical risk management*, *13*, 1061–1068. <https://doi.org/10.2147/TCRM.S141312>.
- Braunwald E. (2013). Heart failure. *JACC. Heart failure*, *1*(1), 1–20. <https://doi.org/10.1016/j.jchf.2012.10.002>.
- Brindle, P., Emberson, J., Lampe, F., Walker, M., Whincup, P., Fahey, T., & Ebrahim, S. (2003). Predictive accuracy of the Framingham coronary risk score in British men: prospective cohort study. *BMJ (Clinical research ed.)*, *327*(7426), 1267. <https://doi.org/10.1136/bmj.327.7426.1267>
- Burlacu, A., Tinica, G., Nedelciuc, I., Simion, P., Artene, B., & Covic, A. 2019. Strategies to Lower In-Hospital Mortality in STEMI Patients with Primary

PCI: Analysing Two Years Data from a High-Volume Interventional Centre. *Journal of Interventional Cardiology*, 2019, 1-6. <https://doi.org/10.1155/2019/3402081>.

- Cahill, T. J., & Kharbada, R. K. (2017). Heart failure after myocardial infarction in the era of primary percutaneous coronary intervention: Mechanisms, incidence and identification of patients at risk. *World journal of cardiology*, 9(5), 407–415. <https://doi.org/10.4330/wjc.v9.i5.407>.
- Calé, R., Sousa, L. D., Pereira, H., Costa, M., & Almeida, M. D. S. (2014). Primary angioplasty in women: Data from the Portuguese Registry of Interventional Cardiology. *Revista Portuguesa De Cardiologia (English Edition)*, 33(6), 353–361. <https://doi.org/10.1016/j.repce.2013.10.048>
- Carbone, F., Nencioni, A., Mach, F., Vuilleumier, N., & Montecucco, F. (2013). Evidence on the pathogenic role of auto-antibodies in acute cardiovascular diseases. *Thrombosis and haemostasis*, 109(5), 854–868. <https://doi.org/10.1160/TH12-10-0768>.
- Carey M. G. (2016). Acute Coronary Syndrome and ST Segment Monitoring. *Critical care nursing clinics of North America*, 28(3), 347–355. <https://doi.org/10.1016/j.cnc.2016.04.006>.
- Catan, A., Turpin, C., Diotel, N., Patche, J., Guerin-Dubourg, A., Debussche, X., Bourdon, E., Ah-You, N., Le Moullec, N., Besnard, M., Veerapen, R., Rondeau, P., & Meilhac, O. (2019). Aging and glycation promote erythrocyte phagocytosis by human endothelial cells: Potential impact in atherothrombosis under diabetic conditions. *Atherosclerosis*, 291, 87–98. <https://doi.org/10.1016/j.atherosclerosis.2019.10.015>.
- Ceriello A. (2005). Acute hyperglycaemia: a 'new' risk factor during myocardial infarction. *European heart journal*, 26(4), 328–331. <https://doi.org/10.1093/eurheartj/ehi049>.
- Chacko, L., Howard, J. P., Rajkumar, C., Nowbar, A. N., Kane, C., Mahdi, D., ... Ahmad, Y. (2020). Effects of Percutaneous Coronary Intervention on Death and Myocardial Infarction Stratified by Stable and Unstable Coronary Artery Disease. *Circulation: Cardiovascular Quality and Outcomes*, 13(2). <https://doi.org/10.1161/circoutcomes.119.006363>.
- Chan, M. Y., Du, X., Eccleston, D., Ma, C., Mohanan, P. P., Ogita, M., Shyu, K. G., Yan, B. P., & Jeong, Y. H. (2016). Acute coronary syndrome in the Asia-Pacific region. *International journal of cardiology*, 202, 861–869. <https://doi.org/10.1016/j.ijcard.2015.04.073>.

- Chen, Y. H., Huang, S. S., & Lin, S. J. (2018). TIMI and GRACE Risk Scores Predict Both Short-Term and Long-Term Outcomes in Chinese Patients with Acute Myocardial Infarction. *Acta Cardiologica Sinica*, 34(1), 4–12. [https://doi.org/10.6515/ACS.201801_34\(1\).20170730B](https://doi.org/10.6515/ACS.201801_34(1).20170730B).
- Chen, L., Li, X. L., Qiao, W., Ying, Z., Qin, Y. L., Wang, Y., Zeng, Y. J., & Ke, Y. N. (2012). Serum uric acid in patients with acute ST-elevation myocardial infarction. *World journal of emergency medicine*, 3(1), 35–39. <https://doi.org/10.5847/wjem.j.issn.1920-8642.2012.01.006>.
- Chen, K. Y., Rha, S. W., Li, Y. J., Jin, Z., Minami, Y., Park, J. Y., Poddar, K. L., Ramasamy, S., Wang, L., Li, G. P., Choi, C. U., Oh, D. J., Jeong, M. H., & Korea Acute Myocardial Infarction Registry Investigators (2012). 'Smoker's paradox' in young patients with acute myocardial infarction. *Clinical and experimental pharmacology & physiology*, 39(7), 630–635. <https://doi.org/10.1111/j.1440-1681.2012.05721.x>.
- Cheng, F., Torzewski, M., Degreif, A., Rossmann, H., Canisius, A., & Lackner, K. J. (2013). Impact of glutathione peroxidase-1 deficiency on macrophage foam cell formation and proliferation: implications for atherogenesis. *PloS one*, 8(8), e72063. <https://doi.org/10.1371/journal.pone.0072063>.
- Chobanian, A. V., Bakris, G. L., Black, H. R., Cushman, W. C., Green, L. A., Izzo, J. L., Jr, Jones, D. W., Materson, B. J., Oparil, S., Wright, J. T., Jr, Roccella, E. J., National Heart, Lung, and Blood Institute Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure, & National High Blood Pressure Education Program Coordinating Committee (2003). The Seventh Report of the Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure: the JNC 7 report. *JAMA*, 289(19), 2560–2572. <https://doi.org/10.1001/jama.289.19.2560>.
- Clark G. M. (2008). Prognostic factors versus predictive factors: Examples from a clinical trial of erlotinib. *Molecular oncology*, 1(4), 406–412. <https://doi.org/10.1016/j.molonc.2007.12.001>.
- Cretu, D. E., Udrouiu, C. A., Stoicescu, C. I., Tatu-Chitoiu, G., & Vinereanu, D. (2015). Predictors of in-Hospital Mortality of ST-Segment Elevation Myocardial Infarction Patients Undergoing Interventional Treatment. An Analysis of Data from the RO-STEMI Registry. *Maedica*, 10(4), 295–303.
- Das, S. R., Alexander, K. P., Chen, A. Y., Powell-Wiley, T. M., Diercks, D. B., Peterson, E. D., Roe, M. T., & de Lemos, J. A. (2011). Impact of body weight and extreme obesity on the presentation, treatment, and in-hospital

- outcomes of 50,149 patients with ST-Segment elevation myocardial infarction results from the NCDR (National Cardiovascular Data Registry). *Journal of the American College of Cardiology*, 58(25), 2642–2650. <https://doi.org/10.1016/j.jacc.2011.09.030>.
- David, R. B., Almeida, E. D., Cruz, L. V., Sebben, J. C., Feijó, I. P., Schmidt, K. E., Avena, L. M., Gottschall, C. A., & Quadros, A. S. (2014). Diabetes mellitus and glucose as predictors of mortality in primary coronary percutaneous intervention. *Arquivos brasileiros de cardiologia*, 103(4), 323–330. <https://doi.org/10.5935/abc.20140130>.
- Dessi, M., Noce, A., Bertucci, P., Manca di Villahermosa, S., Zenobi, R., Castagnola, V., ... Di Daniele, N. (2013). Atherosclerosis, Dyslipidemia, and Inflammation: The Significant Role of Polyunsaturated Fatty Acids. *ISRN Inflammation*, 2013, 1–13. <https://doi.org/10.1155/2013/191823>.
- Dhillon, P. K., Jeemon, P., Arora, N. K., Mathur, P., Maskey, M., Sukirna, R. D., & Prabhakaran, D. (2012). Status of epidemiology in the WHO South-East Asia region: burden of disease, determinants of health and epidemiological research, workforce and training capacity. *International journal of epidemiology*, 41(3), 847–860. <https://doi.org/10.1093/ije/dys046>.
- Disdier Moulder, M., Hendricks, A. K., & Ou, N. N. (2020). Towards appropriate polypharmacy in older cardiovascular patients: How many medications do I have to take?. *Clinical cardiology*, 43(2), 137–144. <https://doi.org/10.1002/clc.23304>.
- Engberding, N., & Wenger, N. K. (2017). Acute Coronary Syndromes in the Elderly. *F1000Research*, 6, 1791. <https://doi.org/10.12688/f1000research.11064.1>.
- Ferro, C. J., Mark, P. B., Kanbay, M., Sarafidis, P., Heine, G. H., Rossignol, P., Massy, Z. A., Mallamaci, F., Valdivielso, J. M., Malyszko, J., Verhaar, M. C., Ekart, R., Vanholder, R., London, G., Ortiz, A., & Zoccali, C. (2018). Lipid management in patients with chronic kidney disease. *Nature reviews. Nephrology*, 14(12), 727–749. <https://doi.org/10.1038/s41581-018-0072-9>.
- Filková, M., Haluzík, M., Gay, S., & Senolt, L. (2009). The role of resistin as a regulator of inflammation: Implications for various human pathologies. *Clinical immunology (Orlando, Fla.)*, 133(2), 157–170. <https://doi.org/10.1016/j.clim.2009.07.013>.
- Fuster, F., Harrington, R.A., Narula, J., Eapen, Z.J. 2017. *Hurst's the Heart*. Edisi ke-14. McGraw-Hill. New York. USA.

- Garot, P., Lefevre, T., Eltchaninoff, H., Morice, M. C., Tamion, F., Abry, B., Lesault, P. F., Le Tarneq, J. Y., Pouges, C., Margenet, A., Monchi, M., Laurent, I., Dumas, P., Garot, J., & Louvard, Y. (2007). Six-month outcome of emergency percutaneous coronary intervention in resuscitated patients after cardiac arrest complicating ST-elevation myocardial infarction. *Circulation*, *115*(11), 1354–1362. <https://doi.org/10.1161/CIRCULATIONAHA.106.657619>.
- Garg, R., Aggarwal, S., Kumar, R., & Sharma, G. (2015). Association of atherosclerosis with dyslipidemia and co-morbid conditions: A descriptive study. *Journal of natural science, biology, and medicine*, *6*(1), 163–168. <https://doi.org/10.4103/0976-9668.149117>.
- Giacco, F., & Brownlee, M. (2010). Oxidative stress and diabetic complications. *Circulation research*, *107*(9), 1058–1070. <https://doi.org/10.1161/CIRCRESAHA.110.223545>.
- Gibson, C. M., Pride, Y. B., Buros, J. L., Lord, E., Shui, A., Murphy, S. A., Pinto, D. S., Zimetbaum, P. J., Sabatine, M. S., Cannon, C. P., Josephson, M. E., & TIMI Study Group (2008). Association of impaired thrombolysis in myocardial infarction myocardial perfusion grade with ventricular tachycardia and ventricular fibrillation following fibrinolytic therapy for ST-segment elevation myocardial infarction. *Journal of the American College of Cardiology*, *51*(5), 546–551. <https://doi.org/10.1016/j.jacc.2007.08.061>.
- Ginanjari, E., Yamin, M., Wijaya, I.P., Harimurti, K. (2019). Predictors of 30-day Mortality in ST-Elevation Myocardial Infarction (STEMI) Patients. *Acta Med Indones*. *51*(3): 238-244.
- Gourlay, S. G., Rundle, A. C., & Barron, H. V. (2002). Smoking and mortality following acute myocardial infarction: results from the National Registry of Myocardial Infarction 2 (NRM1 2). *Nicotine & tobacco research : official journal of the Society for Research on Nicotine and Tobacco*, *4*(1), 101–107. <https://doi.org/10.1080/14622200110103205>.
- Goyal, A., Mehta, S. R., Díaz, R., Gerstein, H. C., Afzal, R., Xavier, D., Liu, L., Pais, P., & Yusuf, S. (2009). Differential clinical outcomes associated with hypoglycemia and hyperglycemia in acute myocardial infarction. *Circulation*, *120*(24), 2429–2437. <https://doi.org/10.1161/CIRCULATIONAHA.108.837765>.
- Grundy, S.M., Ji, C., Merz, C.N. 2004. Implications of recent clinical trials for the National Cholesterol Education Program Adult Treatment Panel III

Guidelines. *Circulation.* 110:227-239.

<https://doi.org/10.1161/01.CIR.0000133317.49796.0E>.

Guralnik, J. M., Eisenstaedt, R. S., Ferrucci, L., Klein, H. G., & Woodman, R. C. (2004). Prevalence of anemia in persons 65 years and older in the United States: evidence for a high rate of unexplained anemia. *Blood*, *104*(8), 2263–2268. <https://doi.org/10.1182/blood-2004-05-1812>.

Hajizadeh, R., Ghaffari, S., Salehi, R., Mazani, S., & Aghavali, S. 2016. Association of serum uric acid level with mortality and morbidity of patients with acute ST-elevation myocardial infarction. *Journal of cardiovascular and thoracic research*, *8*(2), 56–60. <https://doi.org/10.15171/jcvtr.2016.11>.

Hense, H. W., Schulte, H., Löwel, H., Assmann, G., & Keil, U. (2003). Framingham risk function overestimates risk of coronary heart disease in men and women from Germany--results from the MONICA Augsburg and the PROCAM cohorts. *European heart journal*, *24*(10), 937–945. [https://doi.org/10.1016/s0195-668x\(03\)00081-2](https://doi.org/10.1016/s0195-668x(03)00081-2).

Ino, Y., Kubo, T., Tanaka, A., Kuroi, A., Tsujioka, H., Ikejima, H., Okouchi, K., Kashiwagi, M., Takarada, S., Kitabata, H., Tanimoto, T., Komukai, K., Ishibashi, K., Kimura, K., Hirata, K., Mizukoshi, M., Imanishi, T., & Akasaka, T. (2011). Difference of culprit lesion morphologies between ST-segment elevation myocardial infarction and non-ST-segment elevation acute coronary syndrome: an optical coherence tomography study. *JACC. Cardiovascular interventions*, *4*(1), 76–82. <https://doi.org/10.1016/j.jcin.2010.09.022>.

Ivanova, E. A., Bobryshev, Y. V., & Orekhov, A. N. (2015). LDL electronegativity index: a potential novel index for predicting cardiovascular disease. *Vascular health and risk management*, *11*, 525–532. <https://doi.org/10.2147/VHRM.S74697>.

Jamal, A., King, B. A., Neff, L. J., Whitmill, J., Babb, S. D., & Graffunder, C. M. (2016). Current Cigarette Smoking Among Adults - United States, 2005-2015. *MMWR. Morbidity and mortality weekly report*, *65*(44), 1205–1211. <https://doi.org/10.15585/mmwr.mm6544a2>.

Jamaluddin, Djafar, Z. (2015). Pengaruh Kadar Gula Darah terhadap Kejadian Reinfark dan Kematian pada Penderita Sindroma Koroner Akut. *Medula*. *3*:224-232.

Jernberg, T., Payne, C. D., Winters, K. J., Darstein, C., Brandt, J. T., Jakubowski, J. A., Naganuma, H., Siegbahn, A., & Wallentin, L. (2006). Prasugrel

achieves greater inhibition of platelet aggregation and a lower rate of non-responders compared with clopidogrel in aspirin-treated patients with stable coronary artery disease. *European heart journal*, 27(10), 1166–1173. <https://doi.org/10.1093/eurheartj/ehi877>.

Kacprzak, M., & Zielinska, M. (2016). Prognostic value of myeloperoxidase concentration in patients with ST-segment elevation myocardial infarction treated with primary percutaneous coronary intervention. *International journal of cardiology*, 223, 452–457. <https://doi.org/10.1016/j.ijcard.2016.07.258>.

Kang, W. Y., Jeong, M. H., Ahn, Y. K., Kim, J. H., Chae, S. C., Kim, Y. J., Hur, S. H., Seong, I. W., Hong, T. J., Choi, D. H., Cho, M. C., Kim, C. J., Seung, K. B., Chung, W. S., Jang, Y. S., Rha, S. W., Bae, J. H., Cho, J. G., Park, S. J., & Korea Acute Myocardial Infarction Registry Investigators (2010). Obesity paradox in Korean patients undergoing primary percutaneous coronary intervention in ST-segment elevation myocardial infarction. *Journal of cardiology*, 55(1), 84–91. <https://doi.org/10.1016/j.jjcc.2009.10.004>.

Kang, D. G., Jeong, M. H., Ahn, Y., Chae, S. C., Hur, S. H., Hong, T. J., Kim, Y. J., Seong, I. W., Chae, J. K., Rhew, J. Y., Chae, I. H., Cho, M. C., Bae, J. H., Rha, S. W., Kim, C. J., Jang, Y. S., Yoon, J., Seung, K. B., Park, S. J., & Korea Acute Myocardial Infarction Registry Investigators (2009). Clinical effects of hypertension on the mortality of patients with acute myocardial infarction. *Journal of Korean medical science*, 24(5), 800–806. <https://doi.org/10.3346/jkms.2009.24.5.800>.

Karam, N., Bataille, S., Marijon, E., Tafflet, M., Benamer, H., Caussin, C., Garot, P., Juliard, J. M., Pires, V., Boche, T., Dupas, F., Le Bail, G., Lamhaut, L., Simon, B., Allonneau, A., Mapouata, M., Loyeau, A., Empana, J. P., Lapostolle, F., Spaulding, C., ... e-MUST Study Investigators (2019). Incidence, Mortality, and Outcome-Predictors of Sudden Cardiac Arrest Complicating Myocardial Infarction Prior to Hospital Admission. *Circulation. Cardiovascular interventions*, 12(1), e007081. <https://doi.org/10.1161/CIRCINTERVENTIONS.118.007081>.

Karwowski, J., Gierlotka, M., Gąsior, M., Poloński, L., Ciszewski, J., Bęćkowski, M., ... Szwed, H. (2017). Relationship between infarct artery location, acute total coronary occlusion, and mortality in STEMI and NSTEMI patients. *Polish Archives of Internal Medicine*. <https://doi.org/10.20452/pamw.4018>.

- Knowlton, A., & Korzick, D. 2014. Estrogen and the female heart. *Molecular and Cellular Endocrinology*, 389(1-2), 31–39. <https://doi.org/10.1016/j.mce.2014.01.002>.
- Knowlton, A., & Lee, A. 2012. Estrogen and the cardiovascular system. *Pharmacology & Therapeutics*, 135(1), 54–70. <https://doi.org/10.1016/j.pharmthera.2012.03.007>.
- Kopaei, M., Setorki, M., Douidi, M., Baradaran, A., & Nasri, H. (2014). Atherosclerosis: process, indicators, risk factors and new hopes. *International journal of preventive medicine*, 5(8), 927–946.
- Laurier, D., Nguyen, P.C., Cazelles, B., Segond, P. 1994. Estimation of CHD risk in a French working population using a modified Framingham model. *J Clin Epidemiol.* 47:1353-64.
- Lee, W. C., Fang, H. Y., Chen, H. C., Chen, C. J., Yang, C. H., Hang, C. L., Wu, C. J., & Fang, C. Y. (2017). Anemia: A significant cardiovascular mortality risk after ST-segment elevation myocardial infarction complicated by the comorbidities of hypertension and kidney disease. *PloS one*, 12(7), e0180165. <https://doi.org/10.1371/journal.pone.0180165>.
- Lee, T. S., Lin, C. Y., Tsai, J. Y., Wu, Y. L., Su, K. H., Lu, K. Y., Hsiao, S. H., Pan, C. C., Kou, Y. R., Hsu, Y. P., & Ho, L. T. (2009). Resistin increases lipid accumulation by affecting class A scavenger receptor, CD36 and ATP-binding cassette transporter-A1 in macrophages. *Life sciences*, 84(3-4), 97–104. <https://doi.org/10.1016/j.lfs.2008.11.004>.
- Lilly, L.S. 2016. *Pathophysiology of Heart Disease*. Edisi ke-6. Wolters Kluwer. Philadelphia. USA.
- Lin, C.-F., Chang, Y.-H., Chien, S.-C., Lin, Y.-H., & Yeh, H.-Y. (2018). Epidemiology of Dyslipidemia in the Asia Pacific Region. *International Journal of Gerontology*, 12(1), 2–6. <https://doi.org/10.1016/j.ijge.2018.02.010>.
- Magnoni, Marco & Berteotti, Martina & Ceriotti, Ferruccio & Mallia, Vincenzo & Vergani, Vittoria & Peretto, Giovanni & Angeloni, Giulia & Cristell, Nicole & Maseri, Attilio & Cianflone, Domenico. (2017). Serum Uric Acid on Admission Predicts In-hospital Mortality in Patients with Acute Coronary Syndrome. *International Journal of Cardiology*. 240. 10.1016/j.ijcard.2017.04.027.
- Magri, C. J., Debono, R., Calleja, N., Galea, J., & Fava, S. (2017). Prognostic indicators and generation of novel risk equations for estimation of 10-year

and 20-year mortality following acute coronary syndrome. *Postgraduate medical journal*, 93(1099), 245–249. <https://doi.org/10.1136/postgradmedj-2016-134129>.

Marenzi, G., Cosentino, N., & Bartorelli, A. L. (2015). Acute kidney injury in patients with acute coronary syndromes. *Heart (British Cardiac Society)*, 101(22), 1778–1785. <https://doi.org/10.1136/heartjnl-2015-307773>.

McCullough, P. A., Steigerwalt, S., Tolia, K., Chen, S. C., Li, S., Norris, K. C., Whaley-Connell, A., & KEEP Investigators (2011). Cardiovascular disease in chronic kidney disease: data from the Kidney Early Evaluation Program (KEEP). *Current diabetes reports*, 11(1), 47–55. <https://doi.org/10.1007/s11892-010-0162-y>.

Medina, M.M., Cortes, D.R.G., Siscar, J.L.P., Fernandez, P.R.R. 2018. Predictive factors of in-hospital mortality in ST-segment elevation acute myocardial infarction. *CorSalud*. 10(3):202-210.

Mirghani H. O. (2016). Age related differences in acute coronary syndrome presentation and in hospital outcomes: a cross-sectional comparative study. *The Pan African medical journal*, 24, 337. <https://doi.org/10.11604/pamj.2016.24.337.8711>.

Montecucco, F., Carbone, F., & Schindler, T. H. (2016). Pathophysiology of ST-segment elevation myocardial infarction: novel mechanisms and treatments. *European heart journal*, 37(16), 1268–1283. <https://doi.org/10.1093/eurheartj/ehv592>.

Moore, K. L., R., A. A. M., & Dalley, A. F. (2019). *Clinically oriented anatomy*. Wolters Kluwer Health.

Mozos, I., Serban, C., & Mihaescu, R. (2012). Anemia and the QT interval in hypertensive patients. *International Journal of Collaborative Research on Internal Medicine & Public Health*, 4(12), 0-0.

Muiesan, M. L., Agabiti-Rosei, C., Pains, A., & Salvetti, M. (2016). Uric Acid and Cardiovascular Disease: An Update. *European cardiology*, 11(1), 54–59. <https://doi.org/10.15420/ecr.2016:4:2>.

Nakanishi, R., Baskaran, L., Gransar, H., Budoff, M. J., Achenbach, S., Al-Mallah, M., Cademartiri, F., Callister, T. Q., Chang, H. J., Chinnaiyan, K., Chow, B., DeLago, A., Hadamitzky, M., Hausleiter, J., Cury, R., Feuchtnner, G., Kim, Y. J., Leipsic, J., Kaufmann, P. A., Maffei, E., ... Berman, D. S. (2017). Relationship of Hypertension to Coronary Atherosclerosis and

Cardiac Events in Patients With Coronary Computed Tomographic Angiography. *Hypertension (Dallas, Tex. : 1979)*, 70(2), 293–299. <https://doi.org/10.1161/HYPERTENSIONAHA.117.09402>.

Nicolau, J. C., Serrano, C. V., Jr, Giraldez, R. R., Baracioli, L. M., Moreira, H. G., Lima, F., Franken, M., Kalil, R., Ramires, J. A., & Giugliano, R. P. (2012). In patients with acute myocardial infarction, the impact of hyperglycemia as a risk factor for mortality is not homogeneous across age-groups. *Diabetes care*, 35(1), 150–152. <https://doi.org/10.2337/dc11-1170>.

Niccoli, G., Burzotta, F., Galiuto, L., & Crea, F. (2009). Myocardial no-reflow in humans. *Journal of the American College of Cardiology*, 54(4), 281–292. <https://doi.org/10.1016/j.jacc.2009.03.054>.

Ntaios, G., Gatselis, N. K., Makaritsis, K., & Dalekos, G. N. (2013). Adipokines as mediators of endothelial function and atherosclerosis. *Atherosclerosis*, 227(2), 216–221. <https://doi.org/10.1016/j.atherosclerosis.2012.12.029>.

Numasawa, Y., Kohsaka, S., Miyata, H., Noma, S., Suzuki, M., Ishikawa, S., Nakamura, I., Nishi, Y., Ohki, T., Negishi, K., Takahashi, T., & Fukuda, K. (2015). Gender differences in in-hospital clinical outcomes after percutaneous coronary interventions: an insight from a Japanese multicenter registry. *PloS one*, 10(1), e0116496. <https://doi.org/10.1371/journal.pone.0116496>.

Ortega-Hernández, J., Springall, R., Sánchez-Muñoz, F., Arana-Martinez, J. C., González-Pacheco, H., & Bojalil, R. (2017). Acute coronary syndrome and acute kidney injury: role of inflammation in worsening renal function. *BMC cardiovascular disorders*, 17(1), 202. <https://doi.org/10.1186/s12872-017-0640-0>.

Owen, D. R., Lindsay, A. C., Choudhury, R. P., & Fayad, Z. A. (2011). Imaging of atherosclerosis. *Annual review of medicine*, 62, 25–40. <https://doi.org/10.1146/annurev-med-041709-133809>.

Paneni, F., Diaz Cañestro, C., Libby, P., Lüscher, T. F., & Camici, G. G. (2017). The Aging Cardiovascular System: Understanding It at the Cellular and Clinical Levels. *Journal of the American College of Cardiology*, 69(15), 1952–1967. <https://doi.org/10.1016/j.jacc.2017.01.064>.

Perhimpunan Dokter Spesialis Kardiovaskular Indonesia. 2015. *Pedoman Tatalaksana Sindrom Koroner Akut*. Edisi ke-3. Centra Communications. Jakarta. Indonesia.

- Perkumpulan Endokronologi Indonesia. 2015. *Panduan Pengolaan Dislipidemia Di Indonesia*. Edisi ke-1. PB. PERKENI. Jakarta. Indonesia.
- Perkumpulan Endokronologi Indonesia. 2015. *Konsensus dan Pencegahan Diabetes Melitus Tipe 2 Di Indonesia*. Edisi ke-1. PB. PERKENI. Jakarta. Indonesia.
- Peyracchia, M., Scacciatella, P., Conrotto, F., Meynet, I., Biava, L. M., Budano, C., Pennone, M., D'Amico, M., & Gaita, F. (2018). Impact of chronic kidney disease on mortality in patients with ST-segment elevation myocardial infarction treated with primary percutaneous coronary intervention. A long-term single-center mortality study. *Minerva cardioangiologica*, *66*(1), 6–15. <https://doi.org/10.23736/S0026-4725.17.04506-6>.
- Picariello, C., Lazzeri, C., Attanà, P., Chiostrì, M., Gensini, G. F., & Valente, S. (2011). The impact of hypertension on patients with acute coronary syndromes. *International journal of hypertension*, *2011*, 563657. <https://doi.org/10.4061/2011/563657>.
- Poudel, I., Tejpal, C., Rashid, H., & Jahan, N. (2019). Major Adverse Cardiovascular Events: An Inevitable Outcome of ST-elevation myocardial infarction? A Literature Review. *Cureus*, *11*(7), e5280. <https://doi.org/10.7759/cureus.5280>.
- Poznyak, A., Grechko, A. V., Poggio, P., Myasoedova, V. A., Alfieri, V., & Orekhov, A. N. (2020). The Diabetes Mellitus-Atherosclerosis Connection: The Role of Lipid and Glucose Metabolism and Chronic Inflammation. *International journal of molecular sciences*, *21*(5), 1835. <https://doi.org/10.3390/ijms21051835>.
- Qanitha, A., Uiterwaal, C.S.P.M., Henriques, J.P.S., Mappangara, I., Idris, I., Amir, M., Mol, B.A.J.M. (2018). Predictors of medium-term mortality in patients hospitalised with coronary artery disease in a resource-limited South-East Asian setting. *Open Heart*. *5*:e000801.
- Ross R. (1993). The pathogenesis of atherosclerosis: a perspective for the 1990s. *Nature*, *362*(6423), 801–809. <https://doi.org/10.1038/362801a0>.
- Samanta, R., Narayan, A., Koor, P., & Thiagalingam, A. (2019). Long-term survival in patients presenting with STEMI complicated by out of hospital cardiac arrest. *IJC Heart & Vasculature*, *22*, 50-54.
- Scholz, K. H., Maier, S., Maier, L. S., Lengfelder, B., Jacobshagen, C., Jung, J., Fleischmann, C., Werner, G. S., Olbrich, H. G., Ott, R., Mudra, H., Seidl, K., Schulze, P. C., Weiss, C., Haimerl, J., Friede, T., & Meyer, T. (2018).

Impact of treatment delay on mortality in ST-segment elevation myocardial infarction (STEMI) patients presenting with and without haemodynamic instability: results from the German prospective, multicentre FITT-STEMI trial. *European heart journal*, 39(13), 1065–1074. <https://doi.org/10.1093/eurheartj/ehy004>.

Selvarajah, S., Fong, A. Y., Selvaraj, G., Haniff, J., Uiterwaal, C. S., & Bots, M. L. (2012). An Asian validation of the TIMI risk score for ST-segment elevation myocardial infarction. *PloS one*, 7(7), e40249. <https://doi.org/10.1371/journal.pone.0040249>.

Sen, S., Davies, J. E., Malik, I. S., Foale, R. A., Mikhail, G. W., Hadjiloizou, N., Hughes, A., Mayet, J., & Francis, D. P. (2012). Why does primary angioplasty not work in registries? Quantifying the susceptibility of real-world comparative effectiveness data to allocation bias. *Circulation. Cardiovascular quality and outcomes*, 5(6), 759–766. <https://doi.org/10.1161/CIRCOUTCOMES.112.966853>.

Setyawan MP, Antono D, Dewiasty A. Validasi skor thrombolysis in myocardial infarction (TIMI) dalam memprediksi mortalitas pasien sindrom koroner akut di Indonesia. Tesis. Jakarta: Universitas Indonesia; 2011.

Shiraishi, J., Kohno, Y., Sawada, T., Ito, D., Kimura, M., Ariyoshi, M., Matsui, A., Arihara, M., Irie, H., Hyogo, M., Shima, T., Nakamura, T., Matoba, S., Yamada, H., Matsumuro, A., Shirayama, T., Kitamura, M., Furukawa, K., & Matsubara, H. (2011). Systolic blood pressure at admission, clinical manifestations, and in-hospital outcomes in patients with acute myocardial infarction. *Journal of cardiology*, 58(1), 54–60. <https://doi.org/10.1016/j.jjcc.2011.04.003>.

Sibilitz, K. L., Benn, M., & Nordestgaard, B. G. (2014). Creatinine, eGFR and association with myocardial infarction, ischemic heart disease and early death in the general population. *Atherosclerosis*, 237(1), 67–75. <https://doi.org/10.1016/j.atherosclerosis.2014.08.040>.

Stebbins, A., Mehta, R. H., Armstrong, P. W., Lee, K. L., Hamm, C., Van de Werf, F., James, S., Toftegaard-Nielsen, T., Seabra-Gomes, R., White, H. D., Granger, C. B., & Assessment of Pexelizumab in Acute Myocardial Infarction (APEX AMI Investigators) (2010). A model for predicting mortality in acute ST-segment elevation myocardial infarction treated with primary percutaneous coronary intervention: results from the Assessment of Pexelizumab in Acute Myocardial Infarction Trial. *Circulation*.

Cardiovascular interventions, 3(5), 414–422.
<https://doi.org/10.1161/CIRCINTERVENTIONS.109.925180>.

Steele, L., Palmer, J., Lloyd, A., Fotheringham, J., Iqbal, J., & Grech, E. D. (2019). The impact of smoking on mortality after acute ST-segment elevation myocardial infarction treated with primary percutaneous coronary intervention: a retrospective cohort outcome study at 3 years. *Journal of thrombosis and thrombolysis*, 47(4), 520–526.
<https://doi.org/10.1007/s11239-019-01812-1>.

Steele, L., Lloyd, A., Fotheringham, J., Sultan, A., Iqbal, J., & Grech, E. D. (2015). A retrospective cross-sectional study on the association between tobacco smoking and incidence of ST-segment elevation myocardial infarction and cardiovascular risk factors. *Postgraduate medical journal*, 91(1079), 492–496. <https://doi.org/10.1136/postgradmedj-2015-133269>.

Susilo, C. (2015). Identifikasi Faktor Usia, Jenis Kelamin dengan Luas Infark Miokard Pada Penyakit Jantung Koroner (PJK) di Ruang ICCU RSD DR. Soebandi Jember, *The Indonesian Journal Of Health Science*; Vol.6(1): 1-7.

Tatli, E., Alicik, G., Buturak, A., Yilmaztepe, M., & Aktoz, M. (2013). Arrhythmias following revascularization procedures in the course of acute myocardial infarction: are they indicators of reperfusion or ongoing ischemia?. *TheScientificWorldJournal*, 2013, 160380.
<https://doi.org/10.1155/2013/160380>.

Thygesen, K., Alpert, J. S., Jaffe, A. S., Simoons, M. L., Chaitman, B. R., White, H. D., Writing Group on the Joint ESC/ACCF/AHA/WHF Task Force for the Universal Definition of Myocardial Infarction, Thygesen, K., Alpert, J. S., White, H. D., Jaffe, A. S., Katus, H. A., Apple, F. S., Lindahl, B., Morrow, D. A., Chaitman, B. A., Clemmensen, P. M., Johanson, P., Hod, H., Underwood, R., ... ESC Committee for Practice Guidelines (CPG) (2012). Third universal definition of myocardial infarction. *European heart journal*, 33(20), 2551–2567. <https://doi.org/10.1093/eurheartj/ehs184>.

Tsai, I. T., Wang, C. P., Lu, Y. C., Hung, W. C., Wu, C. C., Lu, L. F., Chung, F. M., Hsu, C. C., Lee, Y. J., & Yu, T. H. (2017). The burden of major adverse cardiac events in patients with coronary artery disease. *BMC cardiovascular disorders*, 17(1), 1. <https://doi.org/10.1186/s12872-016-0436-7>.

Tumade, B. Jim, E.L. & Joseph, V.F.F. (2014). Prevalensi Sindrom Koroner Akut di RSUP Prof.Dr.R.D Kandou Manado Periode 1 Januari 2014, *Jurnal e-Clinic (eCI)*; Vol4 (1): 223-300.

- Turgeon, R. D., Koshman, S. L., Youngson, E., Har, B., Wilton, S. B., James, M. T., & Graham, M. M. (2020). Association of Ticagrelor vs Clopidogrel With Major Adverse Coronary Events in Patients With Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention. *JAMA internal medicine*, *180*(3), 420–428. <https://doi.org/10.1001/jamainternmed.2019.6447>.
- Usman, Y., Iriawan R.W., Rosita, T., Lusiana M., Kosen, S., Kelly M., Forsyth, S., Rao, C. (2019). Indonesia's Sample Registration System in 2018: A work in progress. *Journal of Population and Social Studies*. *27*:39-52.
- Wallentin, L., Varenhorst, C., James, S., Erlinge, D., Braun, O. O., Jakubowski, J. A., Sugidachi, A., Winters, K. J., & Siegbahn, A. (2008). Prasugrel achieves greater and faster P2Y12receptor-mediated platelet inhibition than clopidogrel due to more efficient generation of its active metabolite in aspirin-treated patients with coronary artery disease. *European heart journal*, *29*(1), 21–30. <https://doi.org/10.1093/eurheartj/ehm545>.
- Widimsky, P., Wijns, W., Fajadet, J., de Belder, M., Knot, J., Aaberge, L., Andrikopoulos, G., Baz, J. A., Betriu, A., Claeys, M., Danchin, N., Djambazov, S., Erne, P., Hartikainen, J., Huber, K., Kala, P., Klinecva, M., Kristensen, S. D., Ludman, P., Ferre, J. M., ... European Association for Percutaneous Cardiovascular Interventions (2010). Reperfusion therapy for ST elevation acute myocardial infarction in Europe: description of the current situation in 30 countries. *European heart journal*, *31*(8), 943–957. <https://doi.org/10.1093/eurheartj/ehp492>.
- World Health Organization. Cardiovascular diseases. https://www.who.int/health-topics/cardiovascular-diseases/#tab=tab_1 (accessed March 2, 2020).
- Weber, C., & Noels, H. (2011). Atherosclerosis: current pathogenesis and therapeutic options. *Nature medicine*, *17*(11), 1410–1422. <https://doi.org/10.1038/nm.2538>.
- Vavalle, J. P., van Diepen, S., Clare, R. M., Hochman, J. S., Weaver, W. D., Mehta, R. H., Pieper, K. S., Patel, M. R., Patel, U. D., Armstrong, P. W., Granger, C. B., & Lopes, R. D. (2016). Renal failure in patients with ST-segment elevation acute myocardial infarction treated with primary percutaneous coronary intervention: Predictors, clinical and angiographic features, and outcomes. *American heart journal*, *173*, 57–66. <https://doi.org/10.1016/j.ahj.2015.12.001>.
- Venkatason, P., Zubairi, Y. Z., Wan Ahmad, W. A., Hafidz, M. I., Ismail, M. D., Hadi, M. F., & Zuhdi, A. (2019). In-hospital mortality of cardiogenic shock

- complicating ST-elevation myocardial infarction in Malaysia: a retrospective analysis of the Malaysian National Cardiovascular Database (NCVD) registry. *BMJ open*, 9(5), e025734. <https://doi.org/10.1136/bmjopen-2018-025734>.
- Vidán, M. T., Bueno, H., Wang, Y., Schreiner, G., Ross, J. S., Chen, J., & Krumholz, H. M. (2010). The relationship between systolic blood pressure on admission and mortality in older patients with heart failure. *European journal of heart failure*, 12(2), 148–155. <https://doi.org/10.1093/eurjhf/hfp195>.
- Vishram, J.K. (2014). Prognostic interactions between cardiovascular risk factors. *Dan Med J*. 61(7):B4892.
- Xepapadaki, E., Zvintzou, E., Kalogeropoulou, C., Filou, S., & Kypreos, K. E. (2020). The Antioxidant Function of HDL in Atherosclerosis. *Angiology*, 71(2), 112–121. <https://doi.org/10.1177/0003319719854609>.
- Yancy, C. W., Jessup, M., Bozkurt, B., Butler, J., Casey, D. E., Jr, Drazner, M. H., Fonarow, G. C., Geraci, S. A., Horwich, T., Januzzi, J. L., Johnson, M. R., Kasper, E. K., Levy, W. C., Masoudi, F. A., McBride, P. E., McMurray, J. J., Mitchell, J. E., Peterson, P. N., Riegel, B., Sam, F., ... American Heart Association Task Force on Practice Guidelines (2013). 2013 ACCF/AHA guideline for the management of heart failure: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. *Journal of the American College of Cardiology*, 62(16), e147–e239. <https://doi.org/10.1016/j.jacc.2013.05.019>.
- Yang, X.-P., & Reckelhoff, J. F. 2011. Estrogen, hormonal replacement therapy and cardiovascular disease. *Current Opinion in Nephrology and Hypertension*, 20(2), 133–138. <https://doi.org/10.1097/mnh.0b013e3283431921>.
- Yoo, H. J., & Choi, K. M. (2014). Adipokines as a novel link between obesity and atherosclerosis. *World journal of diabetes*, 5(3), 357–363. <https://doi.org/10.4239/wjd.v5.i3.357>.
- Yusuf, S., Rangarajan, S., Teo, K., Islam, S., Li, W., Liu, L., Bo, J., Lou, Q., Lu, F., Liu, T., Yu, L., Zhang, S., Mony, P., Swaminathan, S., Mohan, V., Gupta, R., Kumar, R., Vijayakumar, K., Lear, S., Anand, S., ... PURE Investigators (2014). Cardiovascular risk and events in 17 low-, middle-, and high-income countries. *The New England journal of medicine*, 371(9), 818–827. <https://doi.org/10.1056/NEJMoa1311890>.

- Zachura, M., Wilczek, K., Kurzawski, J., Gierlotka, M., Gąsior, M., & Sadowski, M. 2018. Gender-related differences in men and women with ST-segment elevation myocardial infarction and incomplete infarct-related artery flow restoration: a multicenter national registry. *Advances in Interventional Cardiology*, 14(4), 356–362. <https://doi.org/10.5114/aic.2018.79865>.
- Zaheer, M., Chrysostomou, P., & Papademetriou, V. (2016). Hypertension and Atherosclerosis: Pathophysiology, Mechanisms and Benefits of BP Control. *Hypertension and Cardiovascular Disease*, 201–216. https://doi.org/10.1007/978-3-319-39599-9_14.