DAFTAR PUSTAKA

Ambrose, J.A. Barua, R.S. (2004) 'The pathophysiology of cigarette smoking and cardiovascular disease', *Journal of the American College of Cardiology*, 43(10), pp. 1731–1737. Available at: https://doi.org/10.1016/j.jacc.2003.12.047.

Amsterdam, E.A., Wenger, N.K., Brindis, R.G., Casey, D.E. Jr, Ganiats, T.G., Holmes, D.R. Jr, *et al.* (2014) '2014 AHA/ACC Guideline for the Management of Patients With Non–ST-Elevation Acute Coronary Syndromes', *Journal of the American College of Cardiology*, 64(24), pp. e139–e228. Available at: https://doi.org/10.1016/j.jacc.2014.09.017.

Arbab-Zadeh, A., Nakano, M., Virmani, R., Fuster, V. (2012) 'Acute Coronary Events', *Circulation*, 125(9), pp. 1147–1156. Available at: https://doi.org/10.1161/CIRCULATIONAHA.111.047431.

Assessment of the Safety and Efficacy of a New Thrombolytic (ASSENT-2) Investigators, Van De Werf, F., Adgey, J., Ardissino, D., Armstrong, P.W., Aylward, P., *et al.* (1999) 'Single-bolus tenecteplase compared with front-loaded alteplase in acute myocardial infarction: the ASSENT-2 double-blind randomised trial.', *Lancet (London, England)*, 354(9180), pp. 716–22. Available at: https://doi.org/10.1016/s0140-6736(99)07403-6.

Avogaro, A., Bonora, E., Consoli, A., Del Prato, S., Genovese, S. (2019) 'Glucose-lowering therapy and cardiovascular outcomes in patients with type 2 diabetes mellitus and acute coronary syndrome', *Diabetes and Vascular Disease Research*, 16(5), pp. 399–414. Available at: https://doi.org/10.1177/1479164119845612.

Azaza, N., Baslaib, F.O., Al-Rishani, A., Ahmed, M., Al-Zainal, J., Aboalela, M., *et al.* (2022) 'Predictors of the Development of Major Adverse Cardiac Events following Percutaneous Coronary Intervention', *Dubai Medical Journal*, 5(2), pp. 117–121. Available at: https://doi.org/10.1159/000522481.

Baart, S.J., van Domburg, R.T., Janssen-Heijnen, M.L.G., Deckers, J.W., Akkerhuis, K.M., Daemen, J., *et al.* (2017) 'Impact of Relative Conditional Survival Estimates on Patient Prognosis After Percutaneous Coronary Intervention', *Circulation: Cardiovascular Quality and Outcomes*, 10(6). Available at: https://doi.org/10.1161/CIRCOUTCOMES.116.003344.

Badimon, L., Padró, T. dan Vilahur, G. (2012) 'Atherosclerosis, platelets and thrombosis in acute ischaemic heart disease', *European Heart Journal: Acute Cardiovascular Care*, 1(1), pp. 60–74. Available at: https://doi.org/10.1177/2048872612441582.

Bagai, A., Huang, Z., Lokhnygina, Y., Harrington, R.A., Armstrong, P.W., Strony, J., *et al.* (2015) 'Magnitude of Troponin Elevation and Long-Term Clinical Outcomes in Acute Coronary Syndrome Patients Treated With and Without

Revascularization', *Circulation: Cardiovascular Interventions*, 8(6). Available at: https://doi.org/10.1161/CIRCINTERVENTIONS.115.002314.

Bagai, A., Lu, D., Lucas, J., Goyal, A., Herzog, C.A., Wang, T.Y., *et al.* (2018) 'Temporal Trends in Utilization of Cardiac Therapies and Outcomes for Myocardial Infarction by Degree of Chronic Kidney Disease: A Report From the NCDR Chest Pain-MI Registry.', *Journal of the American Heart Association*, 7(24), p. e010394. Available at: https://doi.org/10.1161/JAHA.118.010394.

Banecki, K., Dora K. (2023). 'Endothelin-1 in Health and Disease' .*International Journal of Molecular Sciences*, 24(14). pp. 11295. Available at : https://doi.org/10.3390/ijms241411295

Barlis, P. Lu, D., Lucas, J., Goyal, A., Herzog, C.A., Wang, T.Y., *et al.* (2008) 'Assessment of Culprit and Remote Coronary Narrowings Using Optical Coherence Tomography With Long-Term Outcomes', *The American Journal of Cardiology*, 102(4), pp. 391–395. Available at: https://doi.org/10.1016/j.amjcard.2008.03.071.

Barrett-Connor, E.L. Cohn, B.A., Wingard, D.L., and Edelstein, S.L. (1991) 'Why is diabetes mellitus a stronger risk factor for fatal ischemic heart disease in women than in men? The Rancho Bernardo Study.', *JAMA*, 265(5), pp. 627–31.

Barton, M. (2014) 'Aging and endothelin: Determinants of disease', *Life Sciences*, 118(2), pp. 97–109. Available at: https://doi.org/10.1016/j.lfs.2014.09.009.

Barton, M. dan Yanagisawa, M. (2008) 'Endothelin: 20 years from discovery to therapy', *Canadian Journal of Physiology and Pharmacology*, 86(8), pp. 485–498. Available at: https://doi.org/10.1139/Y08-059.

Barton, M. dan Yanagisawa, M. (2019) 'Endothelin: 30 Years From Discovery to Therapy', *Hypertension*, 74(6), pp. 1232–1265. Available at: https://doi.org/10.1161/HYPERTENSIONAHA.119.12105.

Barua, R, Rigotti, N, Benowitz, N. Cummings, K. Jazayeri, M. Morris, P. *et al.*. (2018) 'ACC Expert Consensus Decision Pathway on Tobacco Cessation Treatment: A Report of the American College of Cardiology Task Force on Clinical Expert Consensus Documents'. *Journal of Americal College of Cardiology*, 72 (25), pp.3332–3365. Available at : https://doi.org/10.1016/j.jacc.2018.10.027

Behl, T., Sehgal, A., Grover, M., Singh, S., Sharma, N., Bhatia, S., *et al.* (2021) 'Uncurtaining the pivotal role of ABC transporters in diabetes mellitus', *Environmental Science and Pollution Research*, 28(31), pp. 41533–41551. Available at: https://doi.org/10.1007/s11356-021-14675-y.

Bentzon, J.F., Otsuka, F., Virmani, R., dan Falk, E. (2014) 'Mechanisms of Plaque Formation and Rupture', *Circulation Research*, 114(12), pp. 1852–1866. Available at: https://doi.org/10.1161/CIRCRESAHA.114.302721.

Berberich, A. J., dan Hegele, R. A. (2022). A Modern Approach to Dyslipidemia. Endocrine reviews, 43(4), 611–653. Available at : https://doi.org/10.1210/endrev/bnab037

Berger, A., Simpson, A., Bhagnani, T., Leeper, N. J., Murphy, B., Nordstrom, B., *et al.* (2019) 'Incidence and Cost of Major Adverse Cardiovascular Events and Major Adverse Limb Events in Patients With Chronic Coronary Artery Disease or Peripheral Artery Disease', *The American Journal of Cardiology*, 123(12), pp. 1893–1899. Available at: https://doi.org/10.1016/j.amjcard.2019.03.022.

Bhatt, D.L., Lopes, R.D. dan Harrington, R.A. (2022) 'Diagnosis and Treatment of Acute Coronary Syndromes', *JAMA*, 327(7), p. 662. Available at: https://doi.org/10.1001/jama.2022.0358.

Bodi, V., Sanchis, J., Morales, J.M., Marrachelli, V.G., Nunez, J., Forteza M.J., *et al.* (2012) 'Metabolomic Profile of Human Myocardial Ischemia by Nuclear Magnetic Resonance Spectroscopy of Peripheral Blood Serum', *Journal of the American College of Cardiology*, 59(18), pp. 1629–1641. Available at: https://doi.org/10.1016/j.jacc.2011.09.083.

Boekholdt, S. dan Kramer, M. (2007) 'Arterial Thrombosis and the Role of Thrombophilia', *Seminars in Thrombosis and Hemostasis*, 33(6), pp. 588–596. Available at: https://doi.org/10.1055/s-2007-985755.

Borén, J., Chapman, M.J., Krauss, R.M., Packard, C.J., Bentzon, J.F., Binder, C.J., *et al.*,(2020). 'Low-density lipoproteins cause atherosclerotic cardiovascular disease: pathophysiological, genetic, and therapeutic insights: a consensus statement from the European Atherosclerosis Society Consensus Panel.' *European Heart Journal*. 41(24). pp.2313-30. Available at : htttps:// doi.org/10.1093/eurheartj/ehz962.

Brieger, D. Fox, K.A., Fitzgerald, G., Eagle, K.A., Budaj, A., Avezum, A., *et al.* (2009) 'Predicting freedom from clinical events in non-ST-elevation acute coronary syndromes: the Global Registry of Acute Coronary Events.', *Heart (British Cardiac Society)*, 95(11), pp. 888–94. Available at: https://doi.org/10.1136/hrt.2008.153387.

Burke, A.P., Farb, A., Malcom, G. T., Liang, Y., Smialek, J. E., and Virmani, R.. (1999) 'Plaque rupture and sudden death related to exertion in men with coronary artery disease.', *JAMA*, 281(10), pp. 921–6. Available at: https://doi.org/10.1001/jama.281.10.921.

Byrne R, Rosello X, Coughlan J, Barbato E, Berry C, Chieffo A., et.al, (2023) 'ESC Scientific Document Group, 2023 ESC Guidelines for the management of acute coronary syndromes: Developed by the task force on the management

of acute coronary syndromes of the European Society of Cardiology (ESC)', *European Heart Journal*, 44(38), pp. 3720–3826.

Cannon, C.P. Gibson, C.M., Lambrew, C.T., Shoultz, D.A., Levy, D., French, W. J., *et al.* (2000) 'Relationship of symptom-onset-to-balloon time and door-to-balloon time with mortality in patients undergoing angioplasty for acute myocardial infarction.', *JAMA*, 283(22), pp. 2941–7. Available at: https://doi.org/10.1001/jama.283.22.2941.

Carr, M.E. (2001) 'Diabetes mellitus', *Journal of Diabetes and its Complications*, 15(1), pp. 44–54. Available at: https://doi.org/10.1016/S1056-8727(00)00132-X.

Catena, C. Colussi, G., Brosolo, G., and Sechi, L.A. (2012) 'A Prothrombotic State is Associated with Early Arterial Damage in Hypertensive Patients', *Journal of Atherosclerosis and Thrombosis*, 19(5), pp. 471–478. Available at: https://doi.org/10.5551/jat.10819.

Cediel G, Rueda F, García C, Oliveras T, Labata C, Serra J, *et al*.,. (2017) 'Prognostic Value of New-Generation Troponins in ST-Segment-Elevation Myocardial Infarction in the Modern Era: The RUTI-STEMI Study'. *Journal of American Heart Association*, 6(12). Available at : https://doi.org/10.1161/JAHA.117.007252.

Cerrato, E., Forno, D., Ferro, S., dan Chinaglia, A. (2017) 'Characteristics, in-hospital management and outcome of late acute ST-elevation myocardial infarction presenters', *Journal of Cardiovascular Medicine*, 18(8), pp. 567–571. Available at: https://doi.org/10.2459/JCM.0000000000000527.

Chen, X., Barywani, S. B., Sigurjonsdottir, R., dan Fu, M. (2018) 'Improved short and long term survival associated with percutaneous coronary intervention in the elderly patients with acute coronary syndrome', *BMC Geriatrics*, 18(1), p. 137. Available at: https://doi.org/10.1186/s12877-018-0818-z.

Chirinos, J.A., Segers, P., Hughes, T., dan Townsend, R. (2019) 'Large-Artery Stiffness in Health and Disease', *Journal of the American College of Cardiology*, 74(9), pp. 1237–1263. Available at: https://doi.org/10.1016/j.jacc.2019.07.012.

Choi, B.G., Rha, S.W., Yoon, S.G., Choi, C. U., Lee, M.W., dan Kim, S.W. (2019) 'Association of Major Adverse Cardiac Events up to 5 Years in Patients With Chest Pain Without Significant Coronary Artery Disease in the Korean Population', *Journal of the American Heart Association*, 8(12). Available at: https://doi.org/10.1161/JAHA.118.010541.

Cholesterol Treatment Trialists' (CTT) Collaboration (2010) 'Efficacy and safety of more intensive lowering of LDL cholesterol: a meta-analysis of data from 170 000 participants in 26 randomised trials', *The Lancet*, 376(9753), pp. 1670–1681. Available at: https://doi.org/10.1016/S0140-6736(10)61350-5.

Dąbek, J., Piotrkowicz, J., Głogowska-Ligus, J., Domagalska-Szopa, M., Szopa, A., dan Schreiber, L. (2022) 'Expression of the Endothelin-1 Gene and Its Type a Receptor including Physical Activity among Patients with Acute Myocardial Infarction', *International Journal of Environmental Research and Public Health*, 19(12), p. 7289. Available at: https://doi.org/10.3390/ijerph19127289.

Dégano, I.R., Elosua, R. dan Marrugat, J. (2013) 'Epidemiología del síndrome coronario agudo en España: estimación del número de casos y la tendencia de 2005 a 2049', *Revista Española de Cardiología*, 66(6), pp. 472–481. Available at: https://doi.org/10.1016/j.recesp.2013.01.019.

DeGeare, V.S., Boura, J.A., Grines, L.L., O'Neill, W.W., dan Grines, C.L. (2001) 'Predictive value of the Killip classification in patients undergoing primary percutaneous coronary intervention for acute myocardial infarction', *The American Journal of Cardiology*, 87(9), pp. 1035–1038. Available at: https://doi.org/10.1016/S0002-9149(01)01457-6.

Deng, W., Wang, D., Wan, Y., Lai, S., Ding, Y., dan Wang, X. (2024) 'Prediction models for major adverse cardiovascular events after percutaneous coronary intervention: a systematic review', *Frontiers in Cardiovascular Medicine*, 10. Available at: https://doi.org/10.3389/fcvm.2023.1287434.

Denktas, A.E., Anderson, H.V., McCarthy, J., dan Smalling, R.W. (2011) 'Total Ischemic Time', *JACC: Cardiovascular Interventions*, 4(6), pp. 599–604. Available at: https://doi.org/10.1016/j.jcin.2011.02.012.

Diaconu, C.C., Marcu, D.R., Bratu O.G., Stanescu, A.M., Gheorghe, G., Hlescu, A.A., *et al*. (2019) 'Beta-blockers in cardiovascular therapy: A review', *Journal of Mind and Medical Sciences*, 6(2), pp. 216-23. Available at: https://doi.org/10.22543/7674.62.P216223.

Domanski, M.J., Tian, X, Wu, C.O., Reis, J.P., Dey, A.K., Gu, Y.,*et al*,. (2020). 'Time Course of LDL Cholesterol Exposure and Cardiovascular Disease Event Risk'. *Journal of American College of Cardiology*. 76(13), pp.1507-16. Available at : https://doi: 10.1016/j.jacc.2020.07.059.

Elhaouari, M. dan Rosado, J. (2009) 'Platelet function in hypertension', *Blood Cells, Molecules, and Diseases*, 42(1), pp. 38–43. Available at: https://doi.org/10.1016/j.bcmd.2008.07.003.

El-Menyar, A., Zubaid, M., AlMahmeed, W., Sulaiman, K., AlNabti, A., Singh, R., *et al.* (2012) 'Killip classification in patients with acute coronary syndrome: insight from a multicenter registry', *The American Journal of Emergency Medicine*, 30(1), pp. 97–103. Available at: https://doi.org/10.1016/j.ajem.2010.10.011.

Epstein, F.H., Badimon, L., Badimon, J.J., dan Chesebro, J.H. (1992) 'The Pathogenesis of Coronary Artery Disease and the Acute Coronary

Syndromes', *New England Journal of Medicine*, 326(5), pp. 310–318. Available at: https://doi.org/10.1056/NEJM199201303260506.

Fein, F.S. (1990) 'Diabetic Cardiomyopathy', *Diabetes Care*, 13(11), pp. 1169–1179. Available at: https://doi.org/10.2337/diacare.13.11.1169.

Feng, J., Liang, L., Chen, Y., Tian, P., Zhao, X., Huang, B., *et al.* (2023) 'Big Endothelin-1 as a Predictor of Reverse Remodeling and Prognosis in Dilated Cardiomyopathy', *Journal of Clinical Medicine*, 12(4). Available at: https://doi.org/10.3390/jcm12041363.

Freixa, X., Heras, M., Ortiz, J.T., Argiró, S., Guasch, E., Doltra, A., *et al.* (2011) 'Usefulness of Endothelin-1 Assessment in Acute Myocardial Infarction', *Revista Española de Cardiología (English Edition)*, 64(2), pp. 105–110. Available at: https://doi.org/10.1016/j.rec.2010.06.001.

Fresco, C., Avanzini, F., Bosi, S., Franzosi, M.G., Maggioni, A.P., Santoro, L., *et al.* (1996) 'Prognostic value of a history of hypertension in 11483 patients with acute myocardial infarction treated with thrombolysis', *Journal of Hypertension*, 14(6), pp. 743–750. Available at: https://doi.org/10.1097/00004872-199606000-00010.

Furman, M.I., Dauerman, H.L., Goldberg, R.J., Yarzebski, J., Lessard, D., dan Gore, J.M. (2001) 'Twenty-two year (1975 to 1997) trends in the incidence, in-hospital and long-term case fatality rates from initial Q-wave and non-Q-wave myocardial infarction: a multi-hospital, community-wide perspective.', *Journal of the American College of Cardiology*, 37(6), pp. 1571–80. Available at: https://doi.org/10.1016/s0735-1097(01)01203-7.

Gleissner, C.A., Leitinger, N. dan Ley, K. (2007) 'Effects of Native and Modified Low-Density Lipoproteins on Monocyte Recruitment in Atherosclerosis', *Hypertension*, 50(2), pp. 276–283. Available at: https://doi.org/10.1161/HYPERTENSIONAHA.107.089854.

Grainger, D.J., Wakefield, L., Bethell, H.W., Farndale, R.W., dan Metcalfe, J.C. (1995) 'Release and activation of platelet latent TGF–β in blood clots during dissolution with plasmin', *Nature Medicine*, 1(9), pp. 932–937. Available at: https://doi.org/10.1038/nm0995-932.

Greenland, P., Reicher-Reiss, H., Goldbourt, U., dan Behar, S. (1991) 'In-hospital and 1-year mortality in 1,524 women after myocardial infarction. Comparison with 4,315 men.', *Circulation*, 83(2), pp. 484–491. Available at: https://doi.org/10.1161/01.CIR.83.2.484.

Guerchicoff, A., Brener, S.J., Maehara, A., Witzenbichler, B., Fahy, M., Xu, K., *et al.* (2014) 'Impact of Delay to Reperfusion on Reperfusion Success, Infarct Size, and Clinical Outcomes in Patients With ST-Segment Elevation Myocardial Infarction', *JACC: Cardiovascular Interventions*, 7(7), pp. 733–740. Available at: https://doi.org/10.1016/j.jcin.2014.01.166.

Gustafsson, J., Gunnarsson, I., Börjesson, O., Pettersson, S., Möller, S., Fei, G.Z., *et al.* (2009) 'Predictors of the first cardiovascular event in patients with systemic lupus erythematosus - a prospective cohort study', *Arthritis Research & Therapy*, 11(6), p. R186. Available at: https://doi.org/10.1186/ar2878.

GUSTO investigators (1993) 'An international randomized trial comparing four thrombolytic strategies for acute myocardial infarction.', *The New England journal of medicine*, 329(10), pp. 673–82. Available at: https://doi.org/10.1056/NEJM199309023291001.

Ha, S., Kim, W., Rhew, T., Kim, S., Kim, M., Kim, W., *et al.* (2010) 'AS-5: Admission Glucose Level, not HbA1C, Predicts Long-Term Mortality in Patients with Acute Myocardial Infarction', *The American Journal of Cardiology*, 105(9), pp. 2A-3A. Available at: https://doi.org/10.1016/j.amjcard.2010.01.034.

Hansson, G.K. (2005) 'Inflammation, Atherosclerosis, and Coronary Artery Disease', *New England Journal of Medicine*, 352(16), pp. 1685–1695. Available at: https://doi.org/10.1056/NEJMra043430.

El Haouari, M. dan Rosado, J. (2009) 'Platelet function in hypertension', *Blood Cells, Molecules, and Diseases*, 42(1), pp. 38–43. Available at: https://doi.org/10.1016/j.bcmd.2008.07.003.

Hartopo, A.B., Sukmasari, I., Puspitawati, I., dan Setianto, B.Y. (2020) 'Serum Endothelin-1 Correlates with Myocardial Injury and Independently Predicts Adverse Cardiac Events in Non-ST-Elevation Acute Myocardial Infarction', *International Journal of Vascular Medicine*, 2020, pp. 1–6. Available at: https://doi.org/10.1155/2020/9260812.

Hartopo, A.B., Puspitawati, I. dan Mumpuni, H. (2020) 'The ratio of circulating endothelin-1 to endothelin-3 associated with TIMI risk and dynamic TIMI risk score in ST elevation acute myocardial infarction', *Canadian Journal of Physiology and Pharmacology*, 98(9), pp. 637–643. Available at: https://doi.org/10.1139/cjpp-2019-0654.

Haryono, A., Ramadhiani, R., Ryanto, G.R.T., dan Emoto, N. (2022) 'Endothelin and the Cardiovascular System: The Long Journey and Where We Are Going', *Biology*, 11(5), p. 759. Available at: https://doi.org/10.3390/biology11050759.

Hashmi, K. A., Adnan, F., Ahmed, O., Yaqeen, S. R., Ali, J., Irfan, M., Edhi, M. M., & Hashmi, A. A. (2020). Risk Assessment of Patients After ST-Segment Elevation Myocardial Infarction by Killip Classification: An Institutional Experience. Cureus, 12(12), e12209. Available at : https://doi.org/10.7759/cureus.12209

Haynes, W.G. dan Webb, D.J. (1998) 'Endothelin as a regulator of cardiovascular function in health and disease', *Journal of Hypertension*, 16(8), pp. 1081–1098. Available at: https://doi.org/10.1097/00004872-199816080-00001.

Helber, I., Alves, C.M.R., Grespan, S.M., Veiga, E.C.A., Moraes, P.I.M., Souza, J. M., *et al.* (2020) 'The impact of advanced age on major cardiovascular events and mortality in patients with st-elevation myocardial infarction undergoing a pharmaco-invasive strategy', *Clinical Interventions in Aging*, Volume 15, pp. 715–722. Available at: https://doi.org/10.2147/cia.s218827.

Heron, M. (2021) *Deaths: Leading Causes for 2019*. Available at: https://www.cdc.gov/nchs/data/nvsr/nvsr70/nvsr70-09-508.pdf (Accessed: 27 October 2023).

Higashi, Y., Noma, K., Yoshizumi, M., dan Kihara, Y. (2009) 'Endothelial Function and Oxidative Stress in Cardiovascular Diseases', *Circulation Journal*, 73(3), pp. 411–418. Available at: https://doi.org/10.1253/circj.CJ-08-1102.

Huang, B., Yang, Y., Zhu, J., Liang, Y., dan Tan, H. (2014) 'Clinical characteristics and short-term outcomes in patients with elevated admission systolic blood pressure after acute st-elevation myocardial infarction: A population-based study', *BMJ Open*, 4(6). doi:10.1136/bmjopen-2014-005097.

Institute for Health Metrics and Evaluation (IHME) (2018) 'Global burden of disease study 2017: population estimates, 2018'. Available at: http://ghdx.healthdata.org/record/ihme-data/gbd-2017-population-estimates-1950-2017Google Scholar (Accessed: 5 December 2024).

Jadhav, U., Nair, T., Mohanan, P., Chopra, V., Kerkar, P., Das Biswas, A., *et al*. (2023) 'Impact of mineralocorticoid receptor antagonists in the treatment of heart failure: targeting the heart failure cascade', *Cureus*, 15(9). Available at: https://doi.org/10.7759/cureus.45241.

Janjani, P., Motevaseli, S., Salehi, N., Heidari-Moghadam, R., Siabani, S., dan Nalini, M. (2022) 'Predictors of 1-Year Major Cardiovascular Events after ST-Elevation Myocardial Infarction in a Specialized Cardiovascular Center in Western Iran', *The Journal of Tehran University Heart Center* [Preprint]. Available at: https://doi.org/10.18502/jthc.v17i2.9839.

Jernberg, T., Johanson, P., Held, C., Svennblad, B., Lindbäck, J., Wallentin, L., dan SWEDEHEART/RIKS-HIA. (2011) 'Association between adoption of evidence-based treatment and survival for patients with ST-elevation myocardial infarction.', *JAMA*, 305(16), pp. 1677–84. Available at: https://doi.org/10.1001/jama.2011.522.

Johansson, S., Rosengren, A., Young, K., dan Jennings, E. (2017) 'Mortality and morbidity trends after the first year in survivors of acute myocardial

infarction: a systematic review', *BMC Cardiovascular Disorders*, 17(1), p. 53. Available at: https://doi.org/10.1186/s12872-017-0482-9.

Jones, J.E., Tang, K.S., Barseghian, A., dan Wong, N.D. (2023) 'Evolution of More Aggressive LDL-Cholesterol Targets and Therapies for Cardiovascular Disease Prevention', *Journal of Clinical Medicine*, 12(23), p. 7432. Available at: https://doi.org/10.3390/jcm12237432.

Julius, S. (1993) 'Corcoran Lecture. Sympathetic hyperactivity and coronary risk in hypertension.', *Hypertension*, 21(6_pt_2), pp. 886–893. Available at: https://doi.org/10.1161/01.HYP.21.6.886.

Kashani K, Rosner MH, dan Ostermann M. (2020) 'Creatinine: from physiology to clinical application', *European journal of internal medicine*, 72, pp. 9-14. Available at: https://doi.org/10.1016/j.ejim.2019.10.025.

Katsioupa, M., Kourampi, I., Oikonomou, E., Tsigkou, V., Theofilis, P., Charalambous, G., *et al.* (2023) 'Novel Biomarkers and Their Role in the Diagnosis and Prognosis of Acute Coronary Syndrome', *Life*, 13(10), p. 1992. Available at: https://doi.org/10.3390/life13101992.

Kedzierski, R.M. dan Yanagisawa, M. (2001) 'Endothelin System: The Double-Edged Sword in Health and Disease', *Annual Review of Pharmacology and Toxicology*, 41(1), pp. 851–876. Available at: https://doi.org/10.1146/annurev.pharmtox.41.1.851.

Kementerian Kesehatan Republik Indonesia (2018) 'Laporan Nasional RISKESDAS tahun 2018'.

Khera, S., Kolte, D., Aronow, W.S., Palaniswamy, C., Subramanian, K.S., Hashim, T., *et al.* (2014) 'Non- ST- Elevation Myocardial Infarction in the United States: Contemporary Trends in Incidence, Utilization of the Early Invasive Strategy, and In- Hospital Outcomes', *Journal of the American Heart Association*, 3(4). Available at: https://doi.org/10.1161/JAHA.114.000995.

Khot, U.N. (2003) 'Prevalence of Conventional Risk Factors in Patients With Coronary Heart Disease', *JAMA*, 290(7), p. 898. Available at: https://doi.org/10.1001/jama.290.7.898.

Khot, U.N., Jia, G., Moliterno, D.J., Lincoff, A.M., Khot, M.B., Harrington, R.A., *et al.* (2003) 'Prognostic Importance of Physical Examination for Heart Failure in Non–ST-Elevation Acute Coronary Syndromes', *JAMA*, 290(16), p. 2174. Available at: https://doi.org/10.1001/jama.290.16.2174.

Killip, T. dan Kimball, J.T. (1967) 'Treatment of myocardial infarction in a coronary care unit', *The American Journal of Cardiology*, 20(4), pp. 457–464. Available at: https://doi.org/10.1016/0002-9149(67)90023-9.

Kim, Y.H., Her, A.Y., Jeong, M.H., Kim, B.K., Hong, S.J., Kim, S., *et al.* (2021) 'Effects of stent generation on clinical outcomes after acute myocardial infarction compared between prediabetes and diabetes patients', *Scientific*

Reports, 11(1), p. 9364. Available at: https://doi.org/10.1038/s41598-021-88593-x.

King, Thomas C.. (2006). 'Elsevier's Integrated Pathology : Cardiovascular Pathology'. Elsevier's Integrated Pathology, 1(1),.

Kolettis, T.M. (2011) 'Endothelin-1 during myocardial ischaemia: a double-edged sword?', *Hypertension Research*, 34(2), pp. 170–172. Available at: https://doi.org/10.1038/hr.2010.215.

Kolettis, T.M., Barton, M., Langleben, D., dan Matsumura, Y. (2013) 'Endothelin in Coronary Artery Disease and Myocardial Infarction', *Cardiology in Review*, 21(5), pp. 249–256. Available at: https://doi.org/10.1097/CRD.0b013e318283f65a.

Konstantinou, K., Tsioufis, C., Koumelli, A., Mantzouranis, M., Kasiakogias, A., Doumas, M., *et al.* (2019) 'Hypertension and patients with acute coronary syndrome: Putting blood pressure levels into perspective', *The Journal of Clinical Hypertension*, 21(8), pp. 1135–1143. Available at: https://doi.org/10.1111/jch.13622.

Kubo, T., Maehara, A., Mintz, G.S., Doi, H., Tsujita, K., Choi, S.Y., *et al.* (2010) 'The Dynamic Nature of Coronary Artery Lesion Morphology Assessed by Serial Virtual Histology Intravascular Ultrasound Tissue Characterization', *Journal of the American College of Cardiology*, 55(15), pp. 1590–1597. Available at: https://doi.org/10.1016/j.jacc.2009.07.078.

Kumar, R., Shah, J.A., Solangi, B.A., Ammar, A., Kumar, M., Khan, N., *et al.* (2022) 'The Burden of Short-term Major Adverse Cardiac Events and its Determinants after Emergency Percutaneous Coronary Revascularization: A Prospective Follow-up Study', *Journal of the Saudi Heart Association*, 34(2), pp. 100–109. Available at: https://doi.org/10.37616/2212-5043.1302.

Kumar, R., Ammar, A., Kumar, A., Ali, A., Talpur, M.F.H., Rahooja, K., *et al.* (2023) 'Acute hyperglycemia, a rabble-rouser or innocent bystander? A prospective analysis of clinical implications of acute hyperglycemia in STE-ACS patients', *BMC Cardiovascular Disorders*, 23(1), p. 406. Available at: https://doi.org/10.1186/s12872-023-03440-3.

Laichuthai, N., Abdul-Ghani, M., Kosiborod, M., Parksook, W.W., Kerr, S. J., dan DeFronzo, R.A. (2020) 'Newly Discovered Abnormal Glucose Tolerance in Patients With Acute Myocardial Infarction and Cardiovascular Outcomes: A Meta-analysis', *Diabetes Care*, 43(8), pp. 1958–1966. Available at: https://doi.org/10.2337/dc20-0059.

Lange, R.A. dan Hillis, L.D. (2001) 'Cardiovascular Complications of Cocaine Use', *New England Journal of Medicine*, 345(5), pp. 351–358. Available at: https://doi.org/10.1056/NEJM200108023450507.

Lee, Y.-T.H., Fang, J., Schieb, L., Park, S., Casper, M., dan Gillespie, C. (2022) 'Prevalence and Trends of Coronary Heart Disease in the United States, 2011 to 2018', *JAMA Cardiology*, 7(4), p. 459. Available at: https://doi.org/10.1001/jamacardio.2021.5613.

Li EC, Heran BS, Wright JM. (2014) 'Angiotensin converting enzyme (ACE) inhibitors versus angiotensin receptor blockers for primary hypertension'. Cochrane Database of Systematic Reviews, 2014(8). Available at: https://doi.org/10.1002/14651858.CD009096.

Libby, P. (2002) 'Inflammation in atherosclerosis', *Nature*, 420(6917), pp. 868–874. Available at: https://doi.org/10.1038/nature01323.

Libby, P. dan Plutzky, J. (2002) 'Diabetic Macrovascular Disease', *Circulation*, 106(22), pp. 2760–2763. Available at: https://doi.org/10.1161/01.CIR.0000037282.92395.AE.

Libby, P., Ridker, P.M. dan Hansson, G.K. (2009) 'Inflammation in Atherosclerosis', *Journal of the American College of Cardiology*, 54(23), pp. 2129–2138. Available at: https://doi.org/10.1016/j.jacc.2009.09.009.

Libby, P., Ridker, P.M. dan Hansson, G.K. (2011) 'Progress and challenges in translating the biology of atherosclerosis', *Nature*, 473(7347), pp. 317–325. Available at: https://doi.org/10.1038/nature10146.

Limpijankit, T., Chandavimol, M., Srimahachota, S., Siriyotha, S., Thakkinstian, A., Krittayaphong, R., *et al.* (2022) 'No Paradoxical Effect of Smoking Status on Recurrent Cardiovascular Events in Patients Following Percutaneous Coronary Intervention: Thai PCI Registry', *Frontiers in Cardiovascular Medicine*, 9. Available at: https://doi.org/10.3389/fcvm.2022.888593.

Ling, L., Maguire, J.J. dan Davenport, A.P. (2013) 'Endothelin- 2, the forgotten isoform: emerging role in the cardiovascular system, ovarian development, immunology and cancer', *British Journal of Pharmacology*, 168(2), pp. 283–295. Available at: https://doi.org/10.1111/j.1476-5381.2011.01786.x.

Lingman, M., Herlitz, J., Bergfeldt, L., Karlsson, T., Caidahl, K., dan Hartford, M. (2009) 'Acute coronary syndromes — The prognostic impact of hypertension, diabetes and its combination on long-term outcome', *International Journal of Cardiology*, 137(1), pp. 29–36. Available at: https://doi.org/10.1016/j.ijcard.2008.05.055.

Liu, X. (2012) 'Classification accuracy and cut point selection.', *Statistics in medicine*, 31(23), pp. 2676–86. Available at: https://doi.org/10.1002/sim.4509.

Lu, B., Posner, D., Vassy, J.L., Ho, Y.L., Galloway, A., Raghavan, S., *et al.* (2022) 'Prediction of Cardiovascular and All-Cause Mortality After Myocardial Infarction in US Veterans.', *The American journal of cardiology*, 169, pp. 10–17. Available at: https://doi.org/10.1016/j.amjcard.2021.12.036.

De Luca, G., Dirksen, M.T., Spaulding, C., Kelbæk, H., Schalij, M., Thuesen, L., *et al.* (2014) 'Impact of hypertension on clinical outcome in STEMI patients undergoing primary angioplasty with BMS or DES', *International Journal of Cardiology*, 175(1), pp. 50–54. Available at: https://doi.org/10.1016/j.ijcard.2014.04.180.

Lwanga SK dan Lemeshow S (1991) *Sample size determination in health studies: a practical manual*. World Health Organization.

Mach, F., Baigent, C., Catapano, A.L., Koskinas, K.C., Casula, M., Badimon, L., *et al.* (2020) '2019 ESC/EAS Guidelines for the management of dyslipidaemias: lipid modification to reduce cardiovascular risk', *European Heart Journal*, 41(1), pp. 111–188. Available at: https://doi.org/10.1093/eurheartj/ehz455.

Mackman, N., Tilley, R.E. dan Key, N.S. (2007) 'Role of the Extrinsic Pathway of Blood Coagulation in Hemostasis and Thrombosis', *Arteriosclerosis, Thrombosis, and Vascular Biology*, 27(8), pp. 1687–1693. Available at: https://doi.org/10.1161/ATVBAHA.107.141911.

Maguire, J. dan Davenport, A.P. (2004) 'Alternative Pathway to Endothelin-Converting Enzyme for the Synthesis of Endothelin in Human Blood Vessels', *Journal of Cardiovascular Pharmacology*, 44(Supplement 1), pp. S27–S29. Available at: https://doi.org/10.1097/01.fjc.0000166219.65593.af.

Malki, N., Koupil, I., Eloranta, S., Weibull, C. E., Tiikkaja, S., Ingelsson, E., *et al.* (2014) 'Temporal Trends in Incidence of Myocardial Infarction and Ischemic Stroke by Socioeconomic Position in Sweden 1987–2010', *PLoS ONE*, 9(8), p. e105279. Available at: https://doi.org/10.1371/journal.pone.0105279.

Malmberg, K., Yusuf, S., Gerstein, H.C., Brown, J., Zhao, F., Hunt, D., *et al.* (2000) 'Impact of Diabetes on Long-Term Prognosis in Patients With Unstable Angina and Non–Q-Wave Myocardial Infarction', *Circulation*, 102(9), pp. 1014–1019. Available at: https://doi.org/10.1161/01.CIR.102.9.1014.

Mannucci, P.M., Asselta, R., Duga, S., Guella, I., Spreafico, M., Lotta, L., *et al.* (2010) 'The association of factor V Leiden with myocardial infarction is replicated in 1880 patients with premature disease', *Journal of Thrombosis and Haemostasis*, 8(10), pp. 2116–2121. Available at: https://doi.org/10.1111/j.1538-7836.2010.03982.x.

Maron, B.A. dan Leopold, J.A. (2008) 'Mineralocorticoid receptor antagonists and endothelial function', *Curr Opin Investig Drugs*, 9(9), pp. 963–969.

Masson, S., Latini, R., Anand, I.S., Barlera, S., Judd, D., Salio, M., *et al.* (2006) 'The Prognostic Value of Big Endothelin-1 in More Than 2,300 Patients With Heart Failure Enrolled in the Valsartan Heart Failure Trial (Val-HeFT)', *Journal of Cardiac Failure*, 12(5), pp. 375–380. Available at: https://doi.org/10.1016/j.cardfail.2006.02.013.

Maury, E., Ramsey, K.M. dan Bass, J. (2010) 'Circadian Rhythms and Metabolic Syndrome', *Circulation Research*, 106(3), pp. 447–462. Available at: https://doi.org/10.1161/CIRCRESAHA.109.208355.

Mayyas, F., Al-Jarrah, M., Ibrahim, K., Mfady, D., dan Van Wagoner, D.R. (2015) 'The significance of circulating endothelin-1 as a predictor of coronary artery disease status and clinical outcomes following coronary artery catheterization', *Cardiovascular Pathology*, 24(1), pp. 19–25. Available at: https://doi.org/10.1016/j.carpath.2014.08.004.

Mazzuca, M.Q. dan Khalil, R.A. (2012) 'Vascular endothelin receptor type B: Structure, function and dysregulation in vascular disease', *Biochemical Pharmacology*, 84(2), pp. 147–162. Available at: https://doi.org/10.1016/j.bcp.2012.03.020.

McManus, D.D., Gore, J., Yarzebski, J., Spencer, F., Lessard, D., dan Goldberg, R.J. (2011) 'Recent trends in the incidence, treatment, and outcomes of patients with STEMI and NSTEMI.', *The American journal of medicine*, 124(1), pp. 40–7. Available at: https://doi.org/10.1016/j.amjmed.2010.07.023.

Medina-Leyte, D. J., Zepeda-García, O., Domínguez-Pérez, M., González-Garrido, A., Villarreal-Molina, T., dan Jacobo-Albavera, L. (2021). 'Endothelial Dysfunction, Inflammation and Coronary Artery Disease: Potential Biomarkers and Promising Therapeutical Approaches'. *International journal of molecular sciences*, 22(8), 3850

Millard, R.W. dan Rosevear, P.R. (2012) 'Metabolomics: Seeking a Unique Biomarker Signature for Coronary Artery Syndromes', *Journal of the American College of Cardiology*, 59(18), pp. 1642–1644. Available at: https://doi.org/10.1016/j.jacc.2011.12.038.

Mills, N.L., Donaldson, K., Hadoke, P.W., Boon, N.A., MacNee, W., Cassee, F.R., *et al.* (2009) 'Adverse cardiovascular effects of air pollution', *Nature Clinical Practice Cardiovascular Medicine*, 6(1), pp. 36–44. Available at: https://doi.org/10.1038/ncpcardio1399.

Montagnana, M., Salvagno, G. dan Lippi, G. (2009) 'Circadian Variation within Hemostasis: An Underrecognized Link between Biology and Disease?', *Seminars in Thrombosis and Hemostasis*, 35(01), pp. 023–033. Available at: https://doi.org/10.1055/s-0029-1214145.

Montani, D., Souza, R., Binkert, C., Fischli, W., Simonneau, G., Clozel, M., *et al.* (2007) 'Endothelin-1/Endothelin-3 Ratio', *Chest*, 131(1), pp. 101–108. Available at: https://doi.org/10.1378/chest.06-0682.

Mori, F., King, G.L., Clermont, A.C., Bursell, D.K., dan Bursell, S.E. (2000) 'Endothelin-3 regulation of retinal hemodynamics in nondiabetic and diabetic rats.', *Investigative ophthalmology & visual science*, 41(12), pp. 3955–62.

Motoyama, S., Sarai, M., Harigaya, H., Anno, H., Inoue, K., Hara, T., *et al.* (2009) 'Computed Tomographic Angiography Characteristics of Atherosclerotic Plaques Subsequently Resulting in Acute Coronary Syndrome', *Journal of the American College of Cardiology*, 54(1), pp. 49–57. Available at: https://doi.org/10.1016/j.jacc.2009.02.068.

Myerson, M., Coady, S., Taylor, H., Rosamond, W.D., Goff, D.C., Jr, dan ARIC Investigators. (2009) 'Declining severity of myocardial infarction from 1987 to 2002: the Atherosclerosis Risk in Communities (ARIC) Study.', *Circulation*, 119(4), pp. 503–14. Available at: https://doi.org/10.1161/CIRCULATIONAHA.107.693879.

Nasution, S.A., Perkasa, H., Ginanjar, E., Rinaldi., I. (2022) 'In-Hospital Major Adverse Cardiac Events Factor Predictors on ST-Elevation Myocardial Infarction after Primary Percutaneous Coronary Intervention at dr. Cipto Mangunkusumo General Hospital', *eJournal Kedokteran Indonesia*, 10(2), pp. 107–13. Available at: https://doi.org/10.23886/ejki.10.193.107-13.

Nawrot, T.S., Perez, L., Künzli, N., Munters, E., dan Nemery, B. (2011) 'Public health importance of triggers of myocardial infarction: a comparative risk assessment', *The Lancet*, 377(9767), pp. 732–740. Available at: https://doi.org/10.1016/S0140-6736(10)62296-9.

Nordskog, B.K., Blixt, A.D., Morgan, W.T., Fields, W.R., dan Hellmann, G.M. (2003) 'Matrix-Degrading and Pro-Inflammatory Changes in Human Vascular Endothelial Cells Exposed to Cigarette Smoke Condensate', *Cardiovascular Toxicology*, 3(2), pp. 101–118. Available at: https://doi.org/10.1385/CT:3:2:101.

Olivier, A., Girerd, N., Michel, J.B., Ketelslegers, J.M., Fay, R., Vincent, J., *et al.* (2017) 'Combined baseline and one-month changes in big endothelin-1 and brain natriuretic peptide plasma concentrations predict clinical outcomes in patients with left ventricular dysfunction after acute myocardial infarction: Insights from the Eplerenone Post-Acute Myocardial Infarction Heart Failure Efficacy and Survival Study (EPHESUS) study', *International Journal of Cardiology*, 241, pp. 344–350. Available at: https://doi.org/10.1016/j.ijcard.2017.02.018.

Patti, G., Cavallari, I., Andreotti, F., Calabrò, P., Cirillo, P., Denas, G., *et al.* (2019) 'Prevention of atherothrombotic events in patients with diabetes mellitus: from antithrombotic therapies to new-generation glucose-lowering drugs', *Nature Reviews Cardiology*, 16(2), pp. 113–130. Available at: https://doi.org/10.1038/s41569-018-0080-2.

Perez-Calvo, J.I., Montero-Pérez-Barquero, M., Camafort-Babkowski, M., Conthe-Gutiérrez, P., Formiga, F., Aramburu-Bodas, O., *et al.* (2010) 'Influence of admission blood pressure on mortality in patients with acute decompensated heart failure', *QJM*, 104(4), pp. 325–333. doi:10.1093/qjmed/hcq202.

PERKI (2022) 'Panduan Prevensi Penyakit Kardiovaskular Arterosklerosis', *Perhimpunan Dokter Spesialis Kardiovaskular Indonesia* [Preprint].

PERKENI (2021) 'Pedoman Pengelolaan dan Pencegahan Diabetes Mellitus Tipe 2 Dewasa di Indonesia'. *Perkumpulan Endokrinologi Indonesia.*

Pernow, J., Böhm, F., Johansson, B.L., Hedin, U., dan Rydén, L. (2000) 'Enhanced Vasoconstrictor Response to Endothelin-B-Receptor Stimulation in Patients with Atherosclerosis', *Journal of Cardiovascular Pharmacology*, 36(Supplement 1), pp. S418–S420. Available at: https://doi.org/10.1097/00005344-200036051-00122.

Phang, M., Lazarus, S., Wood, L.G., dan Garg, M. (2011) 'Diet and Thrombosis Risk: Nutrients for Prevention of Thrombotic Disease', *Seminars in Thrombosis and Hemostasis*, 37(03), pp. 199–208. Available at: https://doi.org/10.1055/s-0031-1273084.

Pinto, P., Falcão, J.L.A., Filho, G.B.A., de Melo, R.N.B., Souza, R.A.M., Cunha, B.L., *et al.* (2019) 'Association between smoking and hospital mortality in myocardial infarction patients undergoing primary angioplasty', *Journal of Transcatheter Interventions*, 27, pp. 1–6. doi:10.31160/jotci201927a201823.

Qin, Q., Chen, M., Yi, B., You, X., Yang, P., dan Sun, J. (2014) 'Orphan nuclear receptor Nur77 is a novel negative regulator of endothelin-1 expression in vascular endothelial cells', *Journal of Molecular and Cellular Cardiology*, 77, pp. 20–28. Available at: https://doi.org/10.1016/j.yjmcc.2014.09.027.

Quesada, O., Yildiz, M., Henry, T.D., Bergstedt, S., Chambers, J., Shah, A., *et al.* (2023) 'Mortality in ST-Segment Elevation Myocardial Infarction With Nonobstructive Coronary Arteries and Mimickers', *JAMA Network Open*, 6(11), p. e2343402. Available at: https://doi.org/10.1001/jamanetworkopen.2023.43402.

Rakugi, H., Yu, H., Kamitani, A., Nakamura, Y., Ohishi, M., Kamide, K., *et al.* (1996) 'Links between hypertension and myocardial infarction.', *American heart journal*, 132(1 Pt 2 Su), pp. 213–21.

Ray, S.G., McMurray, J.J., Morton, J.J., dan Dargie, H.J. (1992) 'Circulating endothelin in acute ischaemic syndromes.', *Heart*, 67(5), pp. 383–386. Available at: https://doi.org/10.1136/hrt.67.5.383.

Reinstadler, S.J., Eitel, C., Thieme, M., Metzler, B., Poess, J., Desch, S., *et al.* (2016) 'Comparison of Characteristics of Patients aged ≤45 Years Versus >45 Years With ST-Elevation Myocardial Infarction (from the AIDA STEMI CMR Substudy)', *The American Journal of Cardiology*, 117(9), pp. 1411–1416. Available at: https://doi.org/10.1016/j.amjcard.2016.02.005.

Ren, A., Wu, H., Liu, L., Guo, Z., Cao, Q., dan Dai, Q. (2019) 'Nicotine promotes atherosclerosis development in apolipoprotein E- deficient mice through α1-

nAChR', *Journal of Cellular Physiology*, 234(9), pp. 14507–14518. Available at: https://doi.org/10.1002/jcp.27728.

Roe, M.T., Messenger, J.C., Weintraub, W.S., Cannon, C.P., Fonarow, G.C., Dai, D., *et al.* (2010) 'Treatments, trends, and outcomes of acute myocardial infarction and percutaneous coronary intervention.', *Journal of the American College of Cardiology*, 56(4), pp. 254–63. Available at: https://doi.org/10.1016/j.jacc.2010.05.008.

Rogers, W.J., Frederick, P.D., Stoehr, E., Canto, J.G., Ornato, J.P., Gibson, C.M., *et al.* (2008) 'Trends in presenting characteristics and hospital mortality among patients with ST elevation and non-ST elevation myocardial infarction in the National Registry of Myocardial Infarction from 1990 to 2006.', *American heart journal*, 156(6), pp. 1026–34. Available at: https://doi.org/10.1016/j.ahj.2008.07.030.

Rosamond, W.D., Chambless, L.E., Heiss, G., Mosley, T.H., Coresh, J., Whitsel, E., *et al.* (2012) 'Twenty-two-year trends in incidence of myocardial infarction, coronary heart disease mortality, and case fatality in 4 US communities, 1987-2008.', *Circulation*, 125(15), pp. 1848–57. Available at: https://doi.org/10.1161/CIRCULATIONAHA.111.047480.

Rosengren, A., Wallentin, L., Simoons, M., Gitt, A. K., Behar, S., Battler, A., *et al.* (2006) 'Age, clinical presentation, and outcome of acute coronary syndromes in the Euroheart acute coronary syndrome survey', *European Heart Journal*, 27(7), pp. 789–795. Available at: https://doi.org/10.1093/eurheartj/ehi774.

Roth, D., Van Tulder, R., Heidinger, B., Herkner, H., Schreiber, W., dan Havel, C. (2015) 'Admission blood pressure and 1-year mortality in acute myocardial infarction', *International Journal of Clinical Practice*, 69(8), pp. 812–819. Available at: https://doi.org/10.1111/ijcp.12588.

Rubens, C., Ewert, R., Halank, M., Wensel, R., Orzechowski, H.D., Schultheiss, H. P., *et al.* (2001) 'Big Endothelin-1 and Endothelin-1 Plasma Levels Are Correlated With the Severity of Primary Pulmonary Hypertension', *Chest*, 120(5), pp. 1562–1569. Available at: https://doi.org/10.1378/chest.120.5.1562.

Ruopp, M.D., Perkins, N.J., Whitcomb, B.W., dan Schisterman, E.F. (2008) 'Youden Index and optimal cut-point estimated from observations affected by a lower limit of detection.', *Biometrical journal. Biometrische Zeitschrift*, 50(3), pp. 419–30. Available at: https://doi.org/10.1002/bimj.200710415.

Savji, N., Rockman, C.B., Skolnick, A.H., Guo, Y., Adelman, M. A., Riles, T., *et al.* (2013) 'Association between advanced age and vascular disease in different arterial territories: a population database of over 3.6 million subjects.', *Journal of the American College of Cardiology*, 61(16), pp. 1736–43. Available at: https://doi.org/10.1016/j.jacc.2013.01.054.

Schmitt, V.H., Hobohm, L., Münzel, T., Wenzel, P., Gori, T., dan Keller, K. (2021) 'Impact of diabetes mellitus on mortality rates and outcomes in myocardial infarction', *Diabetes & Metabolism*, 47(4), p. 101211. Available at: https://doi.org/10.1016/j.diabet.2020.11.003.

Schwartz, G.G., Steg, P.G., Szarek, M., Bhatt, D.L., Bittner, V.A., Diaz, R., *et al.* (2018) 'Alirocumab and Cardiovascular Outcomes after Acute Coronary Syndrome', *New England Journal of Medicine*, 379(22), pp. 2097–2107. Available at: https://doi.org/10.1056/NEJMoa1801174.

Servoss, S.J., Januzzi, J.L. dan Muller, J.E. (2002) 'Triggers of acute coronary syndromes', *Progress in Cardiovascular Diseases*, 44(5), pp. 369–380. Available at: https://doi.org/10.1053/pcad.2002.123470.

Setianto, B.Y., Hartopo, A.B., Sukmasari, I., dan Puspitawati, I. (2016) 'On-admission high endothelin-1 level independently predicts in-hospital adverse cardiac events following ST-elevation acute myocardial infarction', *International Journal of Cardiology*, 220, pp. 72–76. Available at: https://doi.org/10.1016/j.ijcard.2016.06.071.

Shah, B., Bangalore, S., Gianos, E., Liang, L., Peacock, W.F., Fonarow, G.C., *et al.* (2014) 'Temporal trends in clinical characteristics of patients without known cardiovascular disease with a first episode of myocardial infarction', *American Heart Journal*, 167(4), pp. 480-488.e1. Available at: https://doi.org/10.1016/j.ahj.2013.12.019.

Shankar SS dan Brater DC. (2003) 'Loop diuretics: from the Na-K-2Cl transporter to clinical use', *American Journal of Physiology-Renal Physiology*, 284(1), pp. 11-21. Available at: https://doi.org/ 10.1152/ajprenal.00119.2002.

Shlomai, G., Kopel, E., Goldenberg, I., dan Grossman, E. (2015) 'The association between elevated admission systolic blood pressure in patients with acute coronary syndrome and favorable early and late outcomes', *Journal of the American Society of Hypertension*, 9(2), pp. 97–103. Available at: https://doi.org/10.1016/j.jash.2014.11.005.

da Silva, A.R., Fraga-Silva, R.A., Stergiopulos, N., Montecucco, F., dan Mach, F. (2015) 'Update on the role of angiotensin in the pathophysiology of coronary atherothrombosis', *European Journal of Clinical Investigation*, 45(3), pp. 274–287. Available at: https://doi.org/10.1111/eci.12401.

Singam, N.S. V., Fine, C. dan Fleg, J.L. (2020) 'Cardiac changes associated with vascular aging', *Clinical Cardiology*, 43(2), pp. 92–98. Available at: https://doi.org/10.1002/clc.23313.

Stone, G.W., Maehara, A., Lansky, A.J., de Bruyne, B., Cristea, E., Mintz, G.S., *et al.* (2011) 'A Prospective Natural-History Study of Coronary Atherosclerosis', *New England Journal of Medicine*, 364(3), pp. 226–235. Available at: https://doi.org/10.1056/NEJMoa1002358.

Stone, G.W., Ali, Z.A., O'Brien, S.M., Rhodes, G., Genereux, P., Bangalore, S., *et al.*, (2023) 'Impact of Complete Revascularization in the ISCHEMIA Trial'. *Journal of American College of Cardiology*. 82(12). pp.1175-88. Available at : https://doi: 10.1016/j.jacc.2023.06.015.

Thaete, L.G. dan Neerhof, M.G. (2000) 'Endothelin and Blood Pressure Regulation in the Female Rat: Studies in Normal Pregnancy and with Nitric Oxide Synthase Inhibition-induced Hypertension', *Hypertension in Pregnancy*, 19(2), pp. 233–247. Available at: https://doi.org/10.1081/PRG-100100139.

Ting, H.H., Bradley, E.H., Wang, Y., Nallamothu, B.K., Gersh, B.J., Roger, V.L., *et al.* (2008) 'Delay in Presentation and Reperfusion Therapy in ST-Elevation Myocardial Infarction', *The American Journal of Medicine*, 121(4), pp. 316–323. Available at: https://doi.org/10.1016/j.amjmed.2007.11.017.

Tisminetzky, M., Coukos, J.A., McManus, D.D., Darling, C.E., Joffe, S., Gore, J., *et al.* (2014) 'Decade-Long Trends in the Magnitude, Treatment, and Outcomes of Patients Aged 30 to 54 Years Hospitalized With ST-Segment Elevation and Non–ST-Segment Elevation Myocardial Infarction', *The American Journal of Cardiology*, 113(10), pp. 1606–1610. Available at: https://doi.org/10.1016/j.amjcard.2014.02.012.

Tobbia, P., Brodie, B.R., Witzenbichler, B., Metzger, C., Guagliumi, G., Yu, J., *et al.* (2013) 'Adverse event rates following primary PCI for STEMI at US and non-US hospitals: three-year analysis from the HORIZONS-AMI trial.', *EuroIntervention : journal of EuroPCR in collaboration with the Working Group on Interventional Cardiology of the European Society of Cardiology*, 8(10), pp. 1134–42. Available at: https://doi.org/10.4244/EIJV8I10A176.

Townsend, N., Wilson, L., Bhatnagar, P., Wickramasinghe, K., Rayner, M., dan Nichols, M. (2016) 'Cardiovascular disease in Europe: epidemiological update 2016', *European Heart Journal*, 37(42), pp. 3232–3245. Available at: https://doi.org/10.1093/eurheartj/ehw334.

Trelle, S., Reichenbach, S., Wandel, S., Hildebrand, P., Tschannen, B., Villiger, P., *et al.* (2011) 'Cardiovascular safety of non-steroidal anti-inflammatory drugs: network meta-analysis', *BMJ*, 342(jan11 1), pp. c7086–c7086. Available at: https://doi.org/10.1136/bmj.c7086.

Tzoulaki, I., Murray, G.D., Lee, A.J., Rumley, A., Lowe, G.D., dan Fowkes, F. G. (2007) 'Relative Value of Inflammatory, Hemostatic, and Rheological Factors for Incident Myocardial Infarction and Stroke', *Circulation*, 115(16), pp. 2119–2127. Available at: https://doi.org/10.1161/CIRCULATIONAHA.106.635029.

del Val Martin, D., Sanmartín Fernández, M. dan Zamorano Gómez, J.L. (2015) 'Biomarkers in acute coronary syndrome', *IJC Metabolic & Endocrine*, 8, pp. 20–23. Available at: https://doi.org/10.1016/j.ijcme.2015.04.003.

Venugopal, S.K., Anoruo, M. dan Jialal, I. (2024) *Biochemistry, Low Density Lipoprotein*.

Vergallo, R., Papafaklis, M.I., Yonetsu, T., Bourantas, C.V., Andreou, I., Wang, Z., *et al.* (2014) 'Endothelial Shear Stress and Coronary Plaque Characteristics in Humans', *Circulation: Cardiovascular Imaging*, 7(6), pp. 905–911. Available at: https://doi.org/10.1161/CIRCIMAGING.114.001932.

Virani, S.S., Alonso, A., Aparicio, H.J., Benjamin, E.J., Bittencourt, M.S., Callaway, C.W., *et al.* (2021) 'Heart Disease and Stroke Statistics—2021 Update', *Circulation*, 143(8). Available at: https://doi.org/10.1161/CIR.0000000000000950.

Virmani, R., Burke, A.P., Farb, A., dan Kolodgie, F.D. (2006) 'Pathology of the Vulnerable Plaque', *Journal of the American College of Cardiology*, 47(8), pp. C13–C18. Available at: https://doi.org/10.1016/j.jacc.2005.10.065.

Wan Ahmad WA (2017) *Annual Report of the NCVD-ACS Registry 2014-2015*. Kuala Lumpur, Malaysia. Available at: https://www.malaysianheart.org/publication/ncvd-annual-reports/p/annual-report-of-the-ncvd-acs-br-registry-2014-2015 (Accessed: 3 April 2024).

Wang, J.C., Normand, S.L., Mauri, L., dan Kuntz, R.E. (2004) 'Coronary Artery Spatial Distribution of Acute Myocardial Infarction Occlusions', *Circulation*, 110(3), pp. 278–284. Available at: https://doi.org/10.1161/01.CIR.0000135468.67850.F4.

Wasyanto, T., Yasa, A. dan Ayu, N. (2023) 'Endothelin-1 as predictor of major adverse cardiovascular events in chronic coronary syndrome patients undergoing coronary intervention', *F1000Research*, 12, p. 342. Available at: https://doi.org/10.12688/f1000research.130837.2.

Wennberg, P., Wensley, F., Di Angelantonio, E., Johansson, L., Boman, K., Rumley, A., *et al.* (2012) 'Haemostatic and inflammatory markers are independently associated with myocardial infarction in men and women', *Thrombosis Research*, 129(1), pp. 68–73. Available at: https://doi.org/10.1016/j.thromres.2011.05.015.

Wilbert-Lampen, U., Leistner, D., Greven, S., Pohl, T., Sper, S., Völker, C., *et al.* (2008) 'Cardiovascular Events during World Cup Soccer', *New England Journal of Medicine*, 358(5), pp. 475–483. Available at: https://doi.org/10.1056/NEJMoa0707427.

Willett, W.C., Green, A., Stampfer, M.J., Speizer, F.E., Colditz, G.A., Rosner, B., *et al.* (1987) 'Relative and Absolute Excess Risks of Coronary Heart Disease among Women Who Smoke Cigarettes', *New England Journal of Medicine*, 317(21), pp. 1303–1309. Available at: https://doi.org/10.1056/NEJM198711193172102.

Wiviott, S.D., Cannon, C.P., Morrow, D.A., Ray, K.K., Pfeffer, M.A., Braunwald, E., and PROVE IT-TIMI 22 Investigators. (2005) 'Can Low-Density Lipoprotein Be Too Low? The Safety and Efficacy of Achieving Very Low Low-Density Lipoprotein With Intensive Statin Therapy', *Journal of the American College of Cardiology*, 46(8), pp. 1411–1416. Available at: https://doi.org/10.1016/j.jacc.2005.04.064.

Wong, C.X., Sun, M.T., Lau, D.H., Brooks, A.G., Sullivan, T., Worthley, M.I., *et al.* (2013) 'Nationwide Trends in the Incidence of Acute Myocardial Infarction in Australia, 1993–2010', *The American Journal of Cardiology*, 112(2), pp. 169–173. Available at: https://doi.org/10.1016/j.amjcard.2013.03.014.

Wypij, D.M., Nichols, J.S., Novak, P.J., Stacy, D.L., Berman, J., dan Wiseman, J. S. (1992) 'Role of mast cell chymase in the extracellular processing of big-endothelin-1 to endothelin-1 in the perfused rat lung', *Biochemical Pharmacology*, 43(4), pp. 845–853. Available at: https://doi.org/10.1016/0006-2952(92)90252-E.

Yeh, R.W., Sidney, S., Chandra, M., Sorel, M., Selby, J. V., dan Go, A.S. (2010) 'Population Trends in the Incidence and Outcomes of Acute Myocardial Infarction', *New England Journal of Medicine*, 362(23), pp. 2155–2165. Available at: https://doi.org/10.1056/NEJMoa0908610.

Yun, S.H., Sim, E.H., Goh, R.Y., Park, J.I., dan Han, J.Y. (2016) 'Platelet Activation: The Mechanisms and Potential Biomarkers', *BioMed Research International*, 2016, pp. 1–5. Available at: https://doi.org/10.1155/2016/9060143.

Yusuf, S., Hawken, S., Ounpuu, S., Dans, T., Avezum, A., Lanas, F., *et al.* (2004) 'Effect of potentially modifiable risk factors associated with myocardial infarction in 52 countries (the INTERHEART study): case-control study', *The Lancet*, 364(9438), pp. 937–952. Available at: https://doi.org/10.1016/S0140-6736(04)17018-9.

Zuhdi, A., Mariapun, J., Mohd Hairi, N.N., Wan Ahmad, W.A., Abidin, I.Z., Undok, A.W., *et al.* (2013) 'Young coronary artery disease in patients undergoing percutaneous coronary intervention', *Annals of Saudi Medicine*, 33(6), pp. 572–578. Available at: https://doi.org/10.5144/0256-4947.2013.572.

Zymliński, R., Sierpiński, R., Metra, M., Cotter, G., Sokolski, M., Siwołowski, P., *et al.* (2020) 'Elevated plasma endothelin- 1 is related to low natriuresis, clinical signs of congestion, and poor outcome in acute heart failure', *ESC Heart Failure*, 7(6), pp. 3536–3544. Available at: https://doi.org/10.1002/ehf2.13064.