

## REFERENCES

- Akanda, M.A.K., Choudhury, K.N., Ali, M.Z., Kabir, M.K., Begum, L.N. and Sayami, L.A., 2013. Serum Creatinine and Blood Urea Nitrogen Levels in Patients with Coronary Artery Disease. *Cardiovasc. j.*, 5(2), pp.141–145. <https://doi.org/10.3329/cardio.v5i2.14282>.
- Ambrose, J.A. and Singh, M., 2015. Pathophysiology of coronary artery disease leading to acute coronary syndromes. *F1000Prime Reports*, 7(8), pp.1–5. <https://doi.org/10.12703/P7-08>.
- American Diabetes Association, 2021. 2. Classification and diagnosis of diabetes: Standards of medical care in diabetes-2021. *Diabetes Care*, [online] 44(January), pp.S15–S33. <https://doi.org/10.2337/dc21-S002>.
- Bagheri, B., Radmard, N., Faghani-Makrani, A. and Rasouli, M., 2019. Serum Creatinine and Occurrence and Severity of Coronary Artery Disease. *Medical archives*, 73(3), pp.154–156. <https://doi.org/10.5455/medarh.2019.73.154-156>.
- Bob-Manuel, T., Ifedili, I., Reed, G., Ibebuogu, U.N. and Khouzam, R.N., 2017. Non-ST Elevation Acute Coronary Syndromes: A Comprehensive Review. *Current Problems in Cardiology*, [online] 42(9), pp.266–305. <https://doi.org/10.1016/j.cpcardiol.2017.04.006>.
- Bogers, R.P., Bemelmans, W.J.E., Hoogenveen, R.T., Boshuizen, H.C., Woodward, M., Knekt, P., Van Dam, R.M., Hu, F.B., Visscher, T.L.S., Menotti, A., Thorpe, R.J., Jamrozik, K., Calling, S., Strand, B.H. and Shipley, M.J., 2007. Association of overweight with increased risk of coronary heart disease partly independent of blood pressure and cholesterol levels: A meta-analysis of 21 cohort studies including more than 300 000 persons. *Archives of Internal Medicine*, [online] 167(16), pp.1720–1728. <https://doi.org/10.1001/archinte.167.16.1720>.
- Centers for Disease Control and Prevention, 2017. *NHIS - Adult Tobacco Use - Glossary*. [Online] Available at: [https://www.cdc.gov/nchs/nhis/tobacco/tobacco\\_glossary.htm](https://www.cdc.gov/nchs/nhis/tobacco/tobacco_glossary.htm) [Accessed 20 November 2021].
- Collet, J.P., Thiele, H., Barbato, E., Bauersachs, J., Dendale, P., Edvardsen, T., Gale, C.P., Jobs, A., Lambrinou, E., Mehilli, J., Merkely, B., Roffi, M., Sibbing, D., Kastrati, A., Mamas, M.A., Aboyans, V., Angiolillo, D.J., Bueno, H., Bugiardini, R., Byrne, R.A., Castelletti, S., Chieffo, A., Cornelissen, V., Crea, F., Delgado, V., Drexel, H., Gierlotka, M., Halvorsen, S., Haugaa, K.H.,

- Jankowska, E.A., Katus, H.A., Kinnaird, T., Kluin, J., Kunadian, V., Landmesser, U., Leclercq, C., Lettino, M., Meinila, L., Mylotte, D., Ndrepepa, G., Omerovic, E., Pedretti, R.F.E., Petersen, S.E., Petronio, A.S., Pontone, G., Popescu, B.A., Potpara, T., Ray, K.K., Luciano, F., Richter, D.J., Shlyakhto, E., Simpson, I.A., Sousa-Uva, M., Storey, R.F., Touyz, R.M., Valgimigli, M., Vranckx, P., Yeh, R.W., Barthélémy, O., Bhatt, D.L., Dorobantu, M., Folliguet, T., Gilard, M., Jüni, P., Lewis, B.S., Meliga, E., Mueller, C., Rutten, F.H. and Siontis, G.C.M., 2021. 2020 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation. *European Heart Journal*, 42(14), pp.1289–1367. <https://doi.org/10.1093/eurheartj/ehaa575>.
- Crowther, M.A., 2005. Pathogenesis of atherosclerosis. *American Society of Hematology*, 1, pp.436–441. <https://doi.org/10.1182/asheducation-2005.1.436>.
- Davenport, A.P., Hyndman, K.A., Dhaun, N., Southan, C., Kohan, D.E., Pollock, J.S., Pollock, D.M., Webb, D.J. and Maguire, J.J., 2016. Endothelin. *Pharmacological Reviews*, 95499. <https://doi.org/10.1124/pr.115.011833>.
- Fath-Ordoubadi, F., Spaepen, E., El-Omar, M., Fraser, D.G., Khan, M.A., Neyses, L., Danzi, G.B., Roguin, A., Paunovic, D. and Mamas, M.A., 2014. Outcomes in patients with acute and stable coronary syndromes; insights from the prospective NOBORI-2 study. *PLoS ONE*, 9(2), pp.1–7. <https://doi.org/10.1371/journal.pone.0088577>.
- Fischbach, F. and Dunning, M.B., 2014. *A Manual of Laboratory and Diagnostic Tests*. 9th ed. Philadelphia: Lippincott Williams and Wilkins.
- Fitchett, D.H., Borgundvaag, B., Cantor, W., Cohen, E., Dhingra, S., Husain, M., Langer, A., Letovsky, E. and Goodman, S.G., 2006. Non-ST segment elevation acute coronary syndromes: A simplified risk-oriented algorithm. *Can J Cardiol*, 22(8), pp.663–677. [https://doi.org/10.1016/s0828-282x\(06\)70935-7](https://doi.org/10.1016/s0828-282x(06)70935-7).
- Ford, T.J., Corcoran, D. and Berry, C., 2018. Stable coronary syndromes: Pathophysiology, diagnostic advances and therapeutic need. *Heart*, 104(4), pp.284–292. <https://doi.org/10.1136/heartjnl-2017-311446>.
- Freeman, B.D., Machado, F.S., Tanowitz, H.B. and Desruisseaux, M.S., 2014. Endothelin-1 and its role in the pathogenesis of infectious diseases. *Life Sciences*, 118(2), pp.110–119. <https://doi.org/10.1016/j.lfs.2014.04.021>.
- GBD 2019 Diseases and Injuries Collaborators, 2020. Global burden of 369 diseases and injuries in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*, 396(10258),

pp.1204–1222. [https://doi.org/10.1016/S0140-6736\(20\)30925-9](https://doi.org/10.1016/S0140-6736(20)30925-9).

Hardisman, 2021. Populasi dan Sampling. In: *Tanya Jawab Metodologi Penelitian Kesehatan*. Yogyakarta: Gosyen Publishing, pp. 135-168.

Heitzer, T., Schlinzig, T., Krohn, K., Meinertz, T. and Münzel, T., 2001. Endothelial Dysfunction, Oxidative Stress, and Risk of Cardiovascular Events in Patients With Coronary Artery Disease. *Stress: The International Journal on the Biology of Stress*, 104(22), pp.2673–2678. <https://doi.org/10.1161/hc4601.099485>.

Jaumdally, R., Varma, C., Macfadyen, R.J. and Lip, G.Y.H., 2007. Coronary sinus blood sampling: An insight into local cardiac pathophysiology and treatment? *European Heart Journal*, 28(8), pp.929–940. <https://doi.org/10.1093/eurheartj/ehm015>.

Khan, M.A., Hashim, M.J., Mustafa, H., Baniyas, M.Y., Al Suwaidi, S.K.B.M., AlKatheeri, R., Alblooshi, F.M.K., Almatrooshi, M.E.A.H., Alzaabi, M.E.H., Al Darmaki, R.S. and Lootah, S.N.A.H., 2020. Global Epidemiology of Ischemic Heart Disease: Results from the Global Burden of Disease Study. *Cureus*, 12(7). <https://doi.org/10.7759/cureus.9349>.

King, R.J. and Grant, P.J., 2016. Diabetes and cardiovascular disease: pathophysiology of a life-threatening epidemic. *Herz*, 41(3), pp.184–192. <https://doi.org/10.1007/s00059-016-4414-8>.

Kinlay, S., Behrendt, D., Wainstein, M., Beltrame, J., Fang, J.C., Creager, M.A., Selwyn, A.P. and Ganz, P., 2001. Role of endothelin-1 in the active constriction of human atherosclerotic coronary arteries. *Circulation*, 104(10), pp.1114–1118. <https://doi.org/10.1161/hc3501.095707>.

Kolettis, T.M., Barton, M., Langleben, D. and Matsumura, Y., 2013. Endothelin in coronary artery disease and myocardial infarction. *Cardiology in Review*, 21(5), pp.249–256. <https://doi.org/10.1097/CRD.0b013e318283f65a>.

Kumar, A. and Cannon, C.P., 2009. Acute coronary syndromes: diagnosis and management, part I. *Mayo Clinic proceedings*, [online] 84(10), pp.917–38. [https://doi.org/10.1016/S0025-6196\(11\)60509-0](https://doi.org/10.1016/S0025-6196(11)60509-0).

Libby, P., Pasterkamp, G., Crea, F. and Jang, I.K., 2019. Reassessing the Mechanisms of Acute Coronary Syndromes: The ‘vulnerable Plaque’ and Superficial Erosion. *Circulation Research*, 124(1), pp.150–160. <https://doi.org/10.1161/CIRCRESAHA.118.311098>.

- Lockowandt, U., Bjessmo, S., Ivert, T. and Franco-Cereceda, A., 2002. Plasma levels and vascular effects of endothelin and big endothelin in patients with stable and unstable angina pectoris undergoing coronary bypass grafting. *European Journal of Cardio-thoracic Surgery*, 21(2), pp.218–223. [https://doi.org/10.1016/S1010-7940\(01\)01119-8](https://doi.org/10.1016/S1010-7940(01)01119-8).
- Mayyas, F., Al-Jarrah, M., Ibrahim, K., Mfady, D. and 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. <https://doi.org/10.1016/j.carpath.2014.08.004>.
- Ministry of Health Republic of Indonesia, 2013. *Basic Health Research. National Report 2013*. Jakarta: Indonesia Agency of Health Research and Development Ministry of Health of Republic of Indonesia.
- Montalescot, G., Sechtem, U., Achenbach, S., Andreotti, F., Arden, C., Budaj, A., Bugiardini, R., Crea, F., Cuisset, T., Di Mario, C., Ferreira, J.R., Gersh, B.J., Gitt, A.K., Hulot, J.S., Marx, N., Opie, L.H., Pfisterer, M., Prescott, E., Ruschitzka, F., Sabaté, M., Senior, R., Taggart, D.P., Van Der Wall, E.E., Vrints, C.J.M., Zamorano, J.L., Baumgartner, H., Bax, J.J., Bueno, H., Dean, V., Deaton, C., Erol, C., Fagard, R., Ferrari, R., Hasdai, D., Hoes, A.W., Kirchhof, P., Knuuti, J., Kolh, P., Lancellotti, P., Linhart, A., Nihoyannopoulos, P., Piepoli, M.F., Ponikowski, P., Sirnes, P.A., Tamargo, J.L., Tendera, M., Torbicki, A., Wijns, W., Windecker, S., Valgimigli, M., Claeyss, M.J., Donner-Banzhoff, N., Frank, H., Funck-Brentano, C., Gaemperli, O., Gonzalez-Juanatey, J.R., Hamilos, M., Husted, S., James, S.K., Kervinen, K., Kristensen, S.D., Maggioni, A. Pietro, Romeo, F., Rydén, L., Simoons, M.L., Steg, P.G., Timmis, A. and Yildirim, A., 2013. 2013 ESC guidelines on the management of stable coronary artery disease. *European Heart Journal*, 34(38), pp.2949–3003. <https://doi.org/10.1093/eurheartj/eh296>.
- Nakas-Ićindić, E., Zaciragić, A., Hadzović, A. and Avdagić, N., 2004. Endothelin in health and disease. *Bosnian journal of basic medical sciences / Udruženje osnovnih medicinskih znanosti = Association of Basic Medical Sciences*, 4(3), pp.31–34. <https://doi.org/10.17305/bjbms.2004.3381>.
- National Cholesterol Education Program, 2001. Third Report of the National Cholesterol Education Program (NCEP) Expert Panel on Detection, Evaluation, and Treatment of High Blood Cholesterol in Adults (Adult Treatment Panel III). *NIH Publication No. 02-5125*.
- Parment, S., Glass, T.J. and Glass, R.M., 2004. Coronary Artery Disease. *JAMA*,

[online] 292(20), p.2540. <https://doi.org/10.1001/jama.292.20.2540>.

PERKI, 2018. *Pedoman Tata Laksana Sindrom Koroner Akut 2018. Perhimpunan Dokter Spesialis Kardiovaskular Indonesia.*

Ray, S.G., McMurray, J.J., Morton, J.J. and Dargie, H.J., 1992. Circulating endothelin in acute ischaemic syndromes. *British Heart Journal*, 67(5), pp.383–386. <https://doi.org/10.1136/hrt.67.5.383>.

Regitz-Zagrosek, V., Oertelt-Prigione, S., Prescott, E., Franconi, F., Gerds, E., Foryst-Ludwig, A., Maas, A.H.E.M., Kautzky-Willer, A., Knappe-Wegner, D., Kintscher, U., Ladwig, K.H., Schenck-Gustafsson, K. and Stangl, V., 2016. Gender in cardiovascular diseases: Impact on clinical manifestations, management, and outcomes. *European Heart Journal*, 37(1), pp.24–34. <https://doi.org/10.1093/eurheartj/ehv598>.

Salomone, O.A., Elliott, P.M., Calviño, R., Holt, D. and Kaski, J.C., 1996. Plasma immunoreactive endothelin concentration correlates with severity of coronary artery disease in patients with stable angina pectoris and normal ventricular function. *Journal of the American College of Cardiology*, 28(1), pp.14–19. [https://doi.org/10.1016/0735-1097\(96\)00110-6](https://doi.org/10.1016/0735-1097(96)00110-6).

Sheridan, P.J. and Crossman, D.C., 2002. Critical review of unstable angina and non-ST elevation myocardial infarction. *Postgraduate Medical Journal*, 78(926), pp.717–726. <https://doi.org/10.1136/pmj.78.926.717>.

Stewart, D.J., Kubac, G., Costello, K.B. and Cernacek, P., 1991. Increased plasma endothelin-1 in the early hours of acute myocardial infarction. *Journal of the American College of Cardiology*, [online] 18(1), pp.38–43. [https://doi.org/10.1016/S0735-1097\(10\)80214-1](https://doi.org/10.1016/S0735-1097(10)80214-1).

Stewart, J.T., Nisbet, J.A. and Davies, M.J., 1991. Plasma endothelin in coronary venous blood from patients with either stable or unstable angina. *British Heart Journal*, 66(1), pp.7–9. <https://doi.org/10.1136/hrt.66.1.7>.

Stow, L.R., Jacobs, M.E., Wingo, C.S. and Cain, B.D., 2011. Endothelin-1 gene regulation. *The FASEB Journal*, 25(1), pp.16–28. <https://doi.org/10.1096/fj.10-161612>.

Unger, T., Borghi, C., Charchar, F., Khan, N.A., Poulter, N.R., Prabhakaran, D., Ramirez, A., Schlaich, M., Stergiou, G.S., Tomaszewski, M., Wainford, R.D., Williams, B. and Schutte, A.E., 2020. 2020 International Society of Hypertension Global Hypertension Practice Guidelines. *Hypertension*, 75(6), pp.1334–1357. <https://doi.org/10.1161/HYPERTENSIONAHA.120.15026>.

- Van Der Wal, A.C. and Becker, A.E., 1999. Atherosclerotic plaque rupture - Pathologic basis of plaque stability and instability. *Cardiovascular Research*, 41(2), pp.334–344. [https://doi.org/10.1016/S0008-6363\(98\)00276-4](https://doi.org/10.1016/S0008-6363(98)00276-4).
- Weber, T., Lang, I., Zweiker, R., Horn, S., Wenzel, R.R., Watschinger, B., Slany, J., Eber, B., Roithinger, F.X. and Metzler, B., 2016. Hypertension and coronary artery disease: epidemiology, physiology, effects of treatment, and recommendations: A joint scientific statement from the Austrian Society of Cardiology and the Austrian Society of Hypertension. *Wiener Klinische Wochenschrift*, 128(13–14), pp.467–479. <https://doi.org/10.1007/s00508-016-0998-5>.
- Wieczorek, I., Haynes, W.G., Webb, D.J. and Ludlam, C.A., 1994. Raised plasma endothelin in unstable angina and non-Q wave myocardial infarction : relation to cardiovascular outcome. *Br Heart J*, 72, pp.436–441. <https://doi.org/10.1136/hrt.72.5.436>.
- Yagi, H., Komukai, K., Hashimoto, K., Kawai, M., Ogawa, T., Anzawa, R., Minai, K., Nagoshi, T., Ogawa, K., Taniguchi, I. and Yoshimura, M., 2010. Difference in risk factors between acute coronary syndrome and stable angina pectoris in the Japanese: Smoking as a crucial risk factor of acute coronary syndrome. *Journal of Cardiology*, [online] 55(3), pp.345–353. <https://doi.org/10.1016/j.jjcc.2009.12.010>.
- Zaheer, M., Chrysostomou, P. and Papademetriou, V., 2016. Hypertension and Atherosclerosis: Pathophysiology, Mechanisms and Benefits of BP Control. In: E.A. Andreadis, ed. *Hypertension and Cardiovascular Disease*. [online] Cham: Springer International Publishing, pp.201–216. [https://doi.org/10.1007/978-3-319-39599-9\\_14](https://doi.org/10.1007/978-3-319-39599-9_14).