

## DAFTAR PUSTAKA

- Aihara, Ken-ichi, Yasumasa Ikeda, Shusuke Yagi, Masashi Akaike, and Toshio Matsumoto. 2011. "Transforming Growth Factor- $\beta$ 1 as a Common Target Molecule for Development of Cardiovascular Diseases, Renal Insufficiency and Metabolic Syndrome." Edited by David Bishop-Bailey. *Cardiology Research and Practice* 2011: 175381. <https://doi.org/10.4061/2011/175381>.
- Alfarisi, Hamad Abdulsalam Hamad, Zenab B Hamad Mohamed, and Muhammad Bin Ibrahim. 2020. "Basic Pathogenic Mechanisms of Atherosclerosis." *Egyptian Journal of Basic and Applied Sciences* 7 (1): 116–25. <https://doi.org/10.1080/2314808X.2020.1769913>.
- Alpert, J S, K B Kern, and G A Ewy. 2010. "The Risk of Stent Thrombosis after Coronary Arterial Stent Implantation." *Am J Med* 123 (6): 479–80. <https://doi.org/10.1016/j.amjmed.2010.02.007>.
- Amsterdam, E A, N K Wenger, R G Brindis, D E Casey Jr., T G Ganiats, D R Holmes Jr., A S Jaffe, et al. 2014. "2014 AHA/ACC Guideline for the Management of Patients with Non-ST-Elevation Acute Coronary Syndromes: A Report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines." *J Am Coll Cardiol* 64 (24): e139–228. <https://doi.org/10.1016/j.jacc.2014.09.017>.
- Antman, E M. 2012. *ST-Segment Elevation Myocardial Infarction: Pathology, Pathophysiology, and Clinical Features. In: Braunwald's Heart Disease: A Textbook of Cardiovascular Medicine.*
- Araszkiwicz, Aleksander, Marek Grygier, Małgorzata Pyda, Justyna Rajewska, Michał Michalak, Sylwia Sławek-Szmyt, and Maciej Lesiak. 2019. "Ischemic Postconditioning Reduces Infarct Size and Microvascular Obstruction Zone in Acute ST-Elevation Myocardial Infarction - a Randomized Study." *Postepy w Kardiologii Interwencyjnej = Advances in Interventional Cardiology* 15 (3): 292–300. <https://doi.org/10.5114/aic.2019.87882>.
- Arnold, J Ranjit, Andrew P Vanezis, Glenn C Rodrigo, Florence Y Lai, Prathap Kanagala, Sheraz Nazir, Jamal N Khan, et al. 2022. "Effects of Late, Repetitive Remote Ischaemic Conditioning on Myocardial Strain in Patients with Acute Myocardial Infarction." *Basic Research in Cardiology* 117 (1): 23. <https://doi.org/10.1007/s00395-022-00926-7>.
- Balitbangkes. 2013. "RISKESDAS."
- Balitbangkes. 2018. "RISKESDAS."
- Barwari, T, A Joshi, and M Mayr. 2016. "MicroRNAs in Cardiovascular Disease." *J Am Coll Cardiol* 68 (23): 2577–84. <https://doi.org/10.1016/j.jacc.2016.09.945>.
- Bhat, Pradeep K, Mahi L Ashwath, David S Rosenbaum, and Ottorino Costantini. 2012. "Usefulness of Left Ventricular End-Systolic Dimension by Echocardiography to Predict Reverse Remodeling in Patients With Newly Diagnosed Severe Left Ventricular Systolic Dysfunction." *The American Journal of Cardiology* 110 (1): 83–87. <https://doi.org/https://doi.org/10.1016/j.amjcard.2012.02.054>.
- Braun, M, and D Kassop. 2020. "Acute Coronary Syndrome: Management." *FP Essent* 490:

20–28.

- Bromage, Daniel I, Sean M Davidson, and Derek M Yellon. 2014. "Stromal Derived Factor 1 $\alpha$ : A Chemokine That Delivers a Two-Pronged Defence of the Myocardium." *Pharmacology & Therapeutics* 143 (3): 305–15. <https://doi.org/https://doi.org/10.1016/j.pharmthera.2014.03.009>.
- Bujak, Marcin, and Nikolaos G Frangogiannis. 2007. "The Role of TGF-Beta Signaling in Myocardial Infarction and Cardiac Remodeling." *Cardiovascular Research* 74 (2): 184–95. <https://doi.org/10.1016/j.cardiores.2006.10.002>.
- Canfield, John, and Hana Totary-Jain. 2018. "40 Years of Percutaneous Coronary Intervention: History and Future Directions." *Journal of Personalized Medicine* 8 (4): 33. <https://doi.org/10.3390/jpm8040033>.
- Cao, B, H Wang, C Zhang, M Xia, and X Yang. 2018. "Remote Ischemic Postconditioning (RIPC) of the Upper Arm Results in Protection from Cardiac Ischemia-Reperfusion Injury Following Primary Percutaneous Coronary Intervention (PCI) for Acute ST-Segment Elevation Myocardial Infarction (STEMI)." *Med Sci Monit* 24: 1017–26. <https://doi.org/10.12659/msm.908247>.
- Cao, Lu, Cheng Huang, Nan Wang, and Jun Li. 2014. "ET-1/NO: A Controversial Target for Myocardial Ischemia-Reperfusion Injury." *Cardiology*. Switzerland. <https://doi.org/10.1159/000355536>.
- Catalanotto, C, C Cogoni, and G Zardo. 2016. "MicroRNA in Control of Gene Expression: An Overview of Nuclear Functions." *Int J Mol Sci* 17 (10). <https://doi.org/10.3390/ijms17101712>.
- Cheskes, Sheldon, Maria Koh, Linda Turner, Ronald Heslegrave, Richard Verbeek, Paul Dorian, Damon C Scales, et al. 2020. "Field Implementation of Remote Ischemic Conditioning in ST-Segment-Elevation Myocardial Infarction: The FIRST Study." *The Canadian Journal of Cardiology* 36 (8): 1278–88. <https://doi.org/10.1016/j.cjca.2019.11.029>.
- Chong, J, H Bulluck, E P Yap, A F Ho, W A Boisvert, and D J Hausenloy. 2018. "Remote Ischemic Conditioning in ST-Segment Elevation Myocardial Infarction - an Update." *Cond Med* 1 (5): 13–22.
- Collaborators, G B D 2017 Causes of Death. 2018. "Global, Regional, and National Age-Sex-Specific Mortality for 282 Causes of Death in 195 Countries and Territories, 1980-2017: A Systematic Analysis for the Global Burden of Disease Study 2017." *Lancet* 392 (10159): 1736–88. [https://doi.org/10.1016/s0140-6736\(18\)32203-7](https://doi.org/10.1016/s0140-6736(18)32203-7).
- Davidson, S M, P Selvaraj, D He, C Boi-Doku, R L Yellon, J M Vicencio, and D M Yellon. 2013. "Remote Ischaemic Preconditioning Involves Signalling through the SDF-1 $\alpha$ /CXCR4 Signalling Axis." *Basic Res Cardiol* 108 (5): 377. <https://doi.org/10.1007/s00395-013-0377-6>.
- Davos, Constantinos. 2021. "Is ARIS (Aerobic/Resistance/Inspiratory Muscle Training) the Optimal Exercise Training Programme for Chronic Heart Failure Patients?" *European Journal of Preventive Cardiology* 28 (April). <https://doi.org/10.1093/eurjpc/zwab031>.

- Dharma, Surya. n.d. *Infark Miokard Akut Disertai Elevasi Segmen ST: Patologi, Patofisiologi Dan Gambaran Klinis*. In: Yuniadi, Y, Hermanto, DY, Siswanto, BB. *Buku Ajar Kardiovaskular Jilid 2*. Jakarta: Sagung Seto.
- Dong, Y M, X X Liu, G Q Wei, Y N Da, L Cha, and C S Ma. 2015. "Prediction of Long-Term Outcome after Acute Myocardial Infarction Using Circulating MiR-145." *Scand J Clin Lab Invest* 75 (1): 85–91. <https://doi.org/10.3109/00365513.2014.981855>.
- Dudzinski, David M, Junsuke Igarashi, Daniel Greif, and Thomas Michel. 2006. "THE REGULATION AND PHARMACOLOGY OF ENDOTHELIAL NITRIC OXIDE SYNTHASE." *Annual Review of Pharmacology and Toxicology* 46 (1): 235–76. <https://doi.org/10.1146/annurev.pharmtox.44.101802.121844>.
- Elbadawi, Ayman, Omar Awad, Ramy Raymond, Haytham Badran, Ahmad E Mostafa, and Marwan Saad. 2017. "Impact of Remote Ischemic Postconditioning during Primary Percutaneous Coronary Intervention on Left Ventricular Remodeling after Anterior Wall ST-Segment Elevation Myocardial Infarction: A Single-Center Experience." *The International Journal of Angiology: Official Publication of the International College of Angiology, Inc* 26 (4): 241–48. <https://doi.org/10.1055/s-0037-1601870>.
- Eriksen, Anne, Rikke Andersen, Niels Pallisgaard, Flemming Sørensen, Anders Jakobsen, and Torben Hansen. 2016. "MicroRNA Expression Profiling to Identify and Validate Reference Genes for the Relative Quantification of MicroRNA in Rectal Cancer." *PLOS ONE* 11 (March): e0150593. <https://doi.org/10.1371/journal.pone.0150593>.
- Ferdinandy, Péter, Derek J Hausenloy, Gerd Heusch, Gary F Baxter, and Rainer Schulz. 2014. "Interaction of Risk Factors, Comorbidities, and Comedications with Ischemia/Reperfusion Injury and Cardioprotection by Preconditioning, Postconditioning, and Remote Conditioning." *Pharmacological Reviews* 66 (4): 1142–74. <https://doi.org/10.1124/pr.113.008300>.
- Fichtlscherer, Stephan, Salvatore De Rosa, Henrik Fox, Thomas Schwietz, Ariane Fischer, Christoph Liebetrau, Michael Weber, et al. 2010. "Circulating MicroRNAs in Patients with Coronary Artery Disease." *Circulation Research* 107 (5): 677–84. <https://doi.org/10.1161/CIRCRESAHA.109.215566>.
- Flint, Alan J, Kathryn M Rexrode, Frank B Hu, Robert J Glynn, Hervé Caspard, Joann E Manson, Walter C Willett, and Eric B Rimm. 2010. "Body Mass Index, Waist Circumference, and Risk of Coronary Heart Disease: A Prospective Study among Men and Women." *Obesity Research & Clinical Practice* 4 (3): e163-246. <https://doi.org/10.1016/j.orcp.2010.01.001>.
- Förstermann, Ulrich, and Thomas Münzel. 2006. "Endothelial Nitric Oxide Synthase in Vascular Disease: From Marvel to Menace." *Circulation* 113 (13): 1708–14. <https://doi.org/10.1161/CIRCULATIONAHA.105.602532>.
- Francis, Rohin, Jun Chong, Manish Ramlall, Chiara Bucciarelli-Ducci, Tim Clayton, Matthew Dodd, Thomas Engstrøm, et al. 2021. "Effect of Remote Ischaemic Conditioning on Infarct Size and Remodelling in ST-Segment Elevation Myocardial Infarction Patients: The CONDI-2/ERIC-PPCI CMR Substudy." *Basic Research in Cardiology* 116 (1): 59. <https://doi.org/10.1007/s00395-021-00896-2>.
- Freixa, Xavier, Magda Heras, José T Ortiz, Sergio Argiró, Eduard Guasch, Adelina Doltra,

- Marcelo Jiménez, Amadeo Betriu, and Mónica Masotti. 2011. "Usefulness of Endothelin-1 Assessment in Acute Myocardial Infarction." *Revista Espanola de Cardiologia* 64 (2): 105–10. <https://doi.org/10.1016/j.recesp.2010.07.001>.
- French, B A, and C M Kramer. 2007. "Mechanisms of Post-Infarct Left Ventricular Remodeling." *Drug Discov Today Dis Mech* 4 (3): 185–96. <https://doi.org/10.1016/j.ddmec.2007.12.006>.
- Gao, Hai, Raviteja Reddy Guddeti, Yasushi Matsuzawa, Li-Ping Liu, Li-Xiao Su, Duo Guo, Shao-Ping Nie, Jie Du, and Ming Zhang. 2015. "Plasma Levels of MicroRNA-145 Are Associated with Severity of Coronary Artery Disease." *PloS One* 10 (5): e0123477–e0123477. <https://doi.org/10.1371/journal.pone.0123477>.
- Garcia, Santiago, Timothy D Henry, Yale L Wang, Ivan J Chavez, Wesley R Pedersen, John R Lesser, Gautam R Shroff, Luke Moore, and Jay H Traverse. 2011. "Long-Term Follow-up of Patients Undergoing Postconditioning during ST-Elevation Myocardial Infarction." *Journal of Cardiovascular Translational Research* 4 (1): 92–98. <https://doi.org/10.1007/s12265-010-9252-0>.
- Gerber, Bernhard. 2007. "Risk Area., Infarct Size., and the Exposure of the Wavefront Phenomenon of Myocardial Necrosis in Humans." *European Heart Journal* 28: 1670–72. <https://doi.org/10.1093/eurheartj/ehm213>.
- Gorog, Diana A, Mohamed Farag, Nikolaos Spinthakis, Derek M Yellon, Hans Erik Bøtker, Rajesh K Kharbanda, and Derek J Hausenloy. 2021. "Effect of Remote Ischaemic Conditioning on Platelet Reactivity and Endogenous Fibrinolysis in ST-Elevation Myocardial Infarction: A Substudy of the CONDI-2/ERIC-PPCI Randomized Controlled Trial." *Cardiovascular Research* 117 (2): 623–34. <https://doi.org/10.1093/cvr/cvaa061>.
- Griendling, K K, and G A FitzGerald. 2003. "Oxidative Stress and Cardiovascular Injury: Part I: Basic Mechanisms and in Vivo Monitoring of ROS." *Circulation* 108 (16): 1912–16. <https://doi.org/10.1161/01.cir.0000093660.86242.bb>.
- Gross, G J, and J A Auchampach. 2007. "Reperfusion Injury: Does It Exist?" *J Mol Cell Cardiol* 42 (1): 12–18. <https://doi.org/10.1016/j.yjmcc.2006.09.009>.
- Hannan, E L, Z Samadashvili, G Walford, D R Holmes, A Jacobs, S Sharma, S Katz, and S B King 3rd. 2009. "Predictors and Outcomes of Ad Hoc versus Non-Ad Hoc Percutaneous Coronary Interventions." *JACC Cardiovasc Interv* 2 (4): 350–56. <https://doi.org/10.1016/j.jcin.2009.01.006>.
- Hansson, G K, and A Hermansson. 2011. "The Immune System in Atherosclerosis." *Nat Immunol* 12 (3): 204–12. <https://doi.org/10.1038/ni.2001>.
- Hausenloy, D J, and D M Yellon. 2009. "Cardioprotective Growth Factors." *Cardiovasc Res* 83 (2): 179–94. <https://doi.org/10.1093/cvr/cvp062>.
- Hausenloy, D J, and D M Yellon. 2016. "Ischaemic Conditioning and Reperfusion Injury." *Nat Rev Cardiol* 13 (4): 193–209. <https://doi.org/10.1038/nrcardio.2016.5>.
- Hausenloy, Derek J, and Derek M Yellon. 2006. "Survival Kinases in Ischemic Preconditioning and Postconditioning." *Cardiovascular Research* 70 (2): 240–53. <https://doi.org/10.1016/j.cardiores.2006.01.017>.

- Hausenloy, Derek J, and Derek M Yellon. 2013. "Myocardial Ischemia-Reperfusion Injury: A Neglected Therapeutic Target." *The Journal of Clinical Investigation* 123 (1): 92–100. <https://doi.org/10.1172/JCI62874>.
- Hausenloy, Derek J, and Derek M Yellon. 2015. "Targeting Myocardial Reperfusion Injury — The Search Continues." *New England Journal of Medicine* 373 (11): 1073–75. <https://doi.org/10.1056/NEJMe1509718>.
- Heusch, Gerd, Hans Erik Bøtker, Karin Przyklenk, Andrew Redington, and Derek Yellon. 2015. "Remote Ischemic Conditioning." *Journal of the American College of Cardiology* 65 (2): 177–95. <https://doi.org/10.1016/j.jacc.2014.10.031>.
- Higashi, K, Y Yamada, S Minatoguchi, S Baba, M Iwasa, H Kanamori, M Kawasaki, et al. 2015. "MicroRNA-145 Repairs Infarcted Myocardium by Accelerating Cardiomyocyte Autophagy." *Am J Physiol Heart Circ Physiol* 309 (11): H1813–26. <https://doi.org/10.1152/ajpheart.00709.2014>.
- Hu, Xiaofeng, Shujing Dai, Wen-Jian Wu, Wei Tan, Xiaoping Zhu, Jingyao Mu, Yiru Guo, Roberto Bolli, and Gregg Rokosh. 2007. "Stromal Cell Derived Factor-1 Alpha Confers Protection against Myocardial Ischemia/Reperfusion Injury: Role of the Cardiac Stromal Cell Derived Factor-1 Alpha CXCR4 Axis." *Circulation* 116 (6): 654–63. <https://doi.org/10.1161/CIRCULATIONAHA.106.672451>.
- Ibanez, B, S James, S Agewall, M J Antunes, C Bucciarelli-Ducci, H Bueno, A L P Caforio, et al. 2018. "2017 ESC Guidelines for the Management of Acute Myocardial Infarction in Patients Presenting with ST-Segment Elevation: The Task Force for the Management of Acute Myocardial Infarction in Patients Presenting with ST-Segment Elevation of the European Socie." *Eur Heart J* 39 (2): 119–77. <https://doi.org/10.1093/eurheartj/ehx393>.
- Jankovic, Aleksandra, Tamara Zakic, Miroslav Milicic, Dragana Unic-Stojanovic, Andjelika Kalezic, Aleksandra Korac, Miomir Jovic, and Bato Korac. 2021. "Effects of Remote Ischaemic Preconditioning on the Internal Thoracic Artery Nitric Oxide Synthase Isoforms in Patients Undergoing Coronary Artery Bypass Grafting." *Antioxidants (Basel, Switzerland)* 10 (12). <https://doi.org/10.3390/antiox10121910>.
- Jernberg, Tomas, Pål Hasvold, Martin Henriksson, Hans Hjelm, Marcus Thuresson, and Magnus Janzon. 2015. "Cardiovascular Risk in Post-Myocardial Infarction Patients: Nationwide Real World Data Demonstrate the Importance of a Long-Term Perspective." *European Heart Journal* 36 (19): 1163–70. <https://doi.org/10.1093/eurheartj/ehu505>.
- Jin, Xiuling, Liangrong Wang, Liling Li, and Xiyue Zhao. 2019. "Protective Effect of Remote Ischemic Pre-Conditioning on Patients Undergoing Cardiac Bypass Valve Replacement Surgery: A Randomized Controlled Trial." *Experimental and Therapeutic Medicine* 17 (3): 2099–2106. <https://doi.org/10.3892/etm.2019.7192>.
- Jonker, Simone J, Theo P Menting, Michiel C Warlé, Merel Ritskes-Hoitinga, and Kimberley E Wever. 2016. "Preclinical Evidence for the Efficacy of Ischemic Postconditioning against Renal Ischemia-Reperfusion Injury, a Systematic Review and Meta-Analysis." *PloS One* 11 (3): e0150863. <https://doi.org/10.1371/journal.pone.0150863>.
- Jousilahti, P, E Vartiainen, J Tuomilehto, and P Puska. 1999. "Sex, Age, Cardiovascular Risk Factors, and Coronary Heart Disease: A Prospective Follow-up Study of 14 786 Middle-Aged Men and Women in Finland." *Circulation* 99 (9): 1165–72.

<https://doi.org/10.1161/01.cir.99.9.1165>.

- Jugdutt, Bodh I. 2004. "Nitric Oxide and Cardioprotection During Ischemia-Reperfusion." In *The Role of Nitric Oxide in Heart Failure*, edited by Bodh I Jugdutt, 231–45. Boston, MA: Springer US. [https://doi.org/10.1007/1-4020-7960-5\\_20](https://doi.org/10.1007/1-4020-7960-5_20) LB - Jugdutt2004.
- Juzar, Dafisah Arifa, Siska Suridanda Danny, Irmalita, Daniel P L Tobing, Isman Firdaus, Bambang Widyantoro, Vienna Rossimarina, et al. 2018. *Pedoman Tatalaksana Sindrom Koroner Akut*. PERKI.
- Kalogeris, T, C P Baines, M Krenz, and R J Korthuis. 2012. "Cell Biology of Ischemia/Reperfusion Injury." *Int Rev Cell Mol Biol* 298: 229–317. <https://doi.org/10.1016/b978-0-12-394309-5.00006-7>.
- Kharbanda, R K, T T Nielsen, and A N Redington. 2009. "Translation of Remote Ischaemic Preconditioning into Clinical Practice." *Lancet* 374 (9700): 1557–65. [https://doi.org/10.1016/s0140-6736\(09\)61421-5](https://doi.org/10.1016/s0140-6736(09)61421-5).
- Kleinbongard, P, A Skyschally, and G Heusch. 2017. "Cardioprotection by Remote Ischemic Conditioning and Its Signal Transduction." *Pflugers Arch* 469 (2): 159–81. <https://doi.org/10.1007/s00424-016-1922-6>.
- Kloner, Robert A. 2020. "Stunned and Hibernating Myocardium: Where Are We Nearly 4 Decades Later?" *Journal of the American Heart Association* 9 (3): e015502. <https://doi.org/doi:10.1161/JAHA.119.015502>.
- Kolodgie, F D, A P Burke, A Farb, H K Gold, J Yuan, J Narula, A V Finn, and R Virmani. 2001. "The Thin-Cap Fibroatheroma: A Type of Vulnerable Plaque: The Major Precursor Lesion to Acute Coronary Syndromes." *Curr Opin Cardiol* 16 (5): 285–92. <https://doi.org/10.1097/00001573-200109000-00006>.
- Kwon, G P, J L Schroeder, M J Amar, A T Remaley, and R S Balaban. 2008. "Contribution of Macromolecular Structure to the Retention of Low-Density Lipoprotein at Arterial Branch Points." *Circulation* 117 (22): 2919–27. <https://doi.org/10.1161/circulationaha.107.754614>.
- Ladapo, J A, M J Budoff, P Azarmina, D Sharp, A Baker, B Maniet, L Herman, and M Monane. 2018. "Economic Outcomes of a Precision Medicine Blood Test To Assess Obstructive Coronary Artery Disease: Results from the PRESET Registry." *Manag Care* 27 (6): 34–40.
- Larsen, J M, and J Ravkilde. 2012. "Acute Coronary Angiography in Patients Resuscitated from Out-of-Hospital Cardiac Arrest--a Systematic Review and Meta-Analysis." *Resuscitation* 83 (12): 1427–33. <https://doi.org/10.1016/j.resuscitation.2012.08.337>.
- Laskey, Warren K, and Alex Schevchuck. 2013. "Postconditioning During Percutaneous Coronary Intervention in Acute Myocardial Infarction." *Circulation* 128 (17): 1858–60. <https://doi.org/10.1161/CIRCULATIONAHA.113.005693>.
- Lavi, Shahar, Sabrina D'Alfonso, Pantelis Diamantouros, Anthony Camuglia, Pallav Garg, Patrick Teefy, George Jablonsky, Kumar Sridhar, and Ronit Lavi. 2014. "Remote Ischemic Postconditioning during Percutaneous Coronary Interventions: Remote Ischemic Postconditioning-Percutaneous Coronary Intervention Randomized Trial."

*Circulation. Cardiovascular Interventions* 7 (2): 225–32.  
<https://doi.org/10.1161/CIRCINTERVENTIONS.113.000948>.

- Liu, Zhebo, Bo Tao, Suzhen Fan, Yong Pu, Hao Xia, and Lin Xu. 2019. "MicroRNA-145 Protects against Myocardial Ischemia Reperfusion Injury via CaMKII-Mediated Antiapoptotic and Anti-Inflammatory Pathways." *Oxidative Medicine and Cellular Longevity* 2019: 8948657. <https://doi.org/10.1155/2019/8948657>.
- Meine, T J, M T Roe, A Y Chen, M R Patel, J B Washam, E M Ohman, W F Peacock, C V Pollack Jr., W B Gibler, and E D Peterson. 2005. "Association of Intravenous Morphine Use and Outcomes in Acute Coronary Syndromes: Results from the CRUSADE Quality Improvement Initiative." *Am Heart J* 149 (6): 1043–49.  
<https://doi.org/10.1016/j.ahj.2005.02.010>.
- Misra, Preeti, Djamel Lebeche, Hung Ly, Martina Schwarzkopf, George Diaz, Roger J Hajjar, Alison D Schechter, and John V Frangioni. 2008. "Quantitation of CXCR4 Expression in Myocardial Infarction Using 99mTc-Labeled SDF-1alpha." *Journal of Nuclear Medicine: Official Publication, Society of Nuclear Medicine* 49 (6): 963–69.  
<https://doi.org/10.2967/jnumed.107.050054>.
- Mozaffarian, D, E J Benjamin, A S Go, D K Arnett, M J Blaha, M Cushman, S R Das, et al. 2016. "Heart Disease and Stroke Statistics-2016 Update: A Report From the American Heart Association." *Circulation* 133 (4): e38-360.  
<https://doi.org/10.1161/cir.0000000000000350>.
- Nacar, Alper, Selim Topcu, Mustafa Kurt, Ibrahim Tanboga, Mehmet Karakas, Eyup Buyukkaya, Enbiya Aksakal, Nihat Sen, Adnan Akcay, and Emine Bilen. 2014. "Effect of Remote Ischemic Postconditioning on Left Ventricular Mechanics." *Echocardiography* 32. <https://doi.org/10.1111/echo.12677>.
- O'Brien, J, H Hayder, Y Zayed, and C Peng. 2018. "Overview of MicroRNA Biogenesis, Mechanisms of Actions, and Circulation." *Front Endocrinol (Lausanne)* 9: 402.  
<https://doi.org/10.3389/fendo.2018.00402>.
- Oikonomou, Evangelos, Georgios Latsios, Georgia Vogiatzi, and Dimitris Tousoulis. n.d. *Atherosclerotic Plaque In: Coronary Artery Disease*. Greece: Elsevier Inc.
- Otsuka, F, R A Byrne, K Yahagi, H Mori, E Ladich, D R Fowler, R Kutys, et al. 2015. "Neoatherosclerosis: Overview of Histopathologic Findings and Implications for Intravascular Imaging Assessment." *Eur Heart J* 36 (32): 2147–59.  
<https://doi.org/10.1093/eurheartj/ehv205>.
- Permatasari, Pradita Diah, Muhammad Fadil, and Masrul Syafri. 2020. "Effect of Remote Ischemic Postconditioning on MiRNA-145 and Troponin I Levels in STEMI Patients Undergoing Primary Percutaneous Coronary Intervention." *Indonesian Journal of Cardiology* 41 (1): 1–7. <https://doi.org/10.30701/ijc.989>.
- Putra, Meidianaser. 2020. "Pengaruh Remote Ischemic Postconditioning Terhadap Fraksi Ejeksi Ventrikel Kiri Pada Pasien IMA-EST Yang Menjalani Intervensi Koroner Perkutan Primer." Edited by Sp.JP(K) dr. Mefri Yanni. *Ilmu Penyakit Jantung Dan Pembuluh Darah Fakultas Kedokteran Universitas Andalas*. Padang: Universitas Andalas.
- Rafieian-Kopaei, Mahmoud, Mahbubeh Setorki, Monir Doudi, Azar Baradaran, and Hamid

- Nasri. 2014. "Atherosclerosis: Process, Indicators, Risk Factors and New Hopes." *International Journal of Preventive Medicine* 5 (8): 927–46. <https://pubmed.ncbi.nlm.nih.gov/25489440>.
- Roffi, Marco, Carlo Patrono, Jean-Philippe Collet, Christian Mueller, Marco Valgimigli, Felicita Andreotti, Jeroen J Bax, et al. 2016. "2015 ESC Guidelines for the Management of Acute Coronary Syndromes in Patients Presenting without Persistent ST-Segment Elevation: Task Force for the Management of Acute Coronary Syndromes in Patients Presenting without Persistent ST-Segment Elevation Of." *European Heart Journal* 37 (3): 267–315. <https://doi.org/10.1093/eurheartj/ehv320>.
- Roger, Thierry, Luregn J Schlapbach, Anina Schneider, Manuela Weier, Sven Wellmann, Patrick Marquis, David Vermijlen, et al. 2017. "Plasma Levels of Macrophage Migration Inhibitory Factor and D-Dopachrome Tautomerase Show a Highly Specific Profile in Early Life." *Frontiers in Immunology* 8: 26. <https://doi.org/10.3389/fimmu.2017.00026>.
- Ruze, A, B D Chen, F Liu, X C Chen, M T Gai, X M Li, Y T Ma, X J Du, Y N Yang, and X M Gao. 2019. "Macrophage Migration Inhibitory Factor Plays an Essential Role in Ischemic Preconditioning-Mediated Cardioprotection." *Clin Sci (Lond)* 133 (5): 665–80. <https://doi.org/10.1042/cs20181013>.
- Santulli, G, A Wronska, K Uryu, T G Diacovo, M Gao, S O Marx, J Kitajewski, et al. 2014. "A Selective MicroRNA-Based Strategy Inhibits Restenosis While Preserving Endothelial Function." *J Clin Invest* 124 (9): 4102–14. <https://doi.org/10.1172/jci76069>.
- Scharf, R E. 2018. "Platelet Signaling in Primary Haemostasis and Arterial Thrombus Formation: Part 1." *Hamostaseologie* 38 (4): 203–10. <https://doi.org/10.1055/s-0038-1675144>.
- Scirica BM, Morrow D A. n.d. *ST-Elevation Myocardial Infarction: Pathology, Pathophysiology, and Clinical Features. In: Braunwald's Heart Disease. A Textbook of Cardiovascular Medicine*. 10th ed. Philadelphia: Elsevier.
- Setianto, Budi Yuli, Anggoro Budi Hartopo, Indah Sukmasari, and Ira Puspitawati. 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 (October): 72–76. <https://doi.org/10.1016/j.ijcard.2016.06.071>.
- Srinivasan, Hemalatha, and Samarjit Das. 2015. "Mitochondrial MiRNA (MitomiR): A New Player in Cardiovascular Health." *Canadian Journal of Physiology and Pharmacology* 93 (10): 855–61. <https://doi.org/10.1139/cjpp-2014-0500>.
- Stettler, Christoph, Simon Wandel, Sabin Allemann, Adnan Kastrati, Marie Claude Morice, Albert Schömig, Matthias E Pfisterer, et al. 2007. "Outcomes Associated with Drug-Eluting and Bare-Metal Stents: A Collaborative Network Meta-Analysis." *Lancet (London, England)* 370 (9591): 937–48. [https://doi.org/10.1016/s0140-6736\(07\)61444-5](https://doi.org/10.1016/s0140-6736(07)61444-5).
- Stone, G W, J W Moses, S G Ellis, J Schofer, K D Dawkins, M C Morice, A Colombo, et al. 2007. "Safety and Efficacy of Sirolimus- and Paclitaxel-Eluting Coronary Stents." *N Engl J Med* 356 (10): 998–1008. <https://doi.org/10.1056/NEJMoa067193>.
- Stoppe, C, S Kraemer, and Jürgen Bernhagen. 2019. "Molecular Mediators of Cardioprotective Ischemic Conditioning: Focus on Cytokines and Chemokines." In .



- Surendran, Arun, Michel Aliani, and Amir Ravandi. 2019. "Metabolomic Characterization of Myocardial Ischemia-Reperfusion Injury in ST-Segment Elevation Myocardial Infarction Patients Undergoing Percutaneous Coronary Intervention." *Scientific Reports* 9 (1): 11742. <https://doi.org/10.1038/s41598-019-48227-9>.
- Sutton Martin, G St John, and Norman Sharpe. 2000. "Left Ventricular Remodeling After Myocardial Infarction." *Circulation* 101 (25): 2981–88. <https://doi.org/10.1161/01.CIR.101.25.2981>.
- Talukder, M A Hassan, Fuchun Yang, Hiroaki Shimokawa, and Jay L Zweier. 2010. "eNOS Is Required for Acute in Vivo Ischemic Preconditioning of the Heart: Effects of Ischemic Duration and Sex." *American Journal of Physiology. Heart and Circulatory Physiology* 299 (2): H437–45. <https://doi.org/10.1152/ajpheart.00384.2010>.
- Tapuria, Niteen, Yogesh Kumar, Meer Mohammad Habib, Mahmoud Abu Amara, Alexander M Seifalian, and Brian R Davidson. 2008. "Remote Ischemic Preconditioning: A Novel Protective Method From Ischemia Reperfusion Injury—A Review." *Journal of Surgical Research* 150 (2): 304–30. <https://doi.org/https://doi.org/10.1016/j.jss.2007.12.747>.
- Thygesen, K, J S Alpert, A S Jaffe, B R Chaitman, J J Bax, D A Morrow, and H D White. 2018. "Fourth Universal Definition of Myocardial Infarction (2018)." *J Am Coll Cardiol* 72 (18): 2231–64. <https://doi.org/10.1016/j.jacc.2018.08.1038>.
- Topol EJ, Werf F J V. n.d. *Acute Myocardial Infarction: Early Diagnosis and Management. Textbook of Cardiovascular Medicine*. 3rd ed. Philadelphia: Lippincott Williams and Wilkins.
- Torbali, A de, E Boersma, J A Kors, G van Herpen, J W Deckers, D A van der Kuip, B H Stricker, A Hofman, and J C Witteman. 2006. "Incidence of Recognized and Unrecognized Myocardial Infarction in Men and Women Aged 55 and Older: The Rotterdam Study." *Eur Heart J* 27 (6): 729–36. <https://doi.org/10.1093/eurheartj/ehi707>.
- Torpy, J M, A E Burke, and R M Glass. 2009. "JAMA Patient Page. Coronary Heart Disease Risk Factors." In *Jama*, 302:2388. United States. <https://doi.org/10.1001/jama.302.21.2388>.
- Toutouzas, K, A Colombo, and C Stefanadis. 2004. "Inflammation and Restenosis after Percutaneous Coronary Interventions." *Eur Heart J* 25 (19): 1679–87. <https://doi.org/10.1016/j.ehj.2004.06.011>.
- Treiber, T, N Treiber, and G Meister. 2019. "Regulation of MicroRNA Biogenesis and Its Crosstalk with Other Cellular Pathways." *Nat Rev Mol Cell Biol* 20 (1): 5–20. <https://doi.org/10.1038/s41580-018-0059-1>.
- Tsang, A, D J Hausenloy, and D M Yellon. 2005. "Myocardial Postconditioning: Reperfusion Injury Revisited." In *Am J Physiol Heart Circ Physiol*, 289:H2-7. United States. <https://doi.org/10.1152/ajpheart.00091.2005>.
- Virani, Salim S, Alvaro Alonso, Emelia J Benjamin, Marcio S Bittencourt, Clifton W Callaway, April P Carson, Alanna M Chamberlain, et al. 2020. "Heart Disease and Stroke Statistics—2020 Update." *Circulation* 0 (0): CIR.0000000000000757. <https://doi.org/doi:10.1161/CIR.0000000000000757>.

- Wallentin, Lars, Richard C Becker, Andrzej Budaj, Christopher P Cannon, Håkan Emanuelsson, Claes Held, Jay Horrow, et al. 2009. "Ticagrelor versus Clopidogrel in Patients with Acute Coronary Syndromes." *New England Journal of Medicine* 361 (11): 1045–57. <https://doi.org/10.1056/NEJMoa0904327>.
- Wanamaker, Brett L, Milan M Seth, Devraj Sukul, Simon R Dixon, Deepak L Bhatt, Ryan D Madder, John S Rumsfeld, and Hitinder S Gurm. 2019. "Relationship Between Troponin on Presentation and In-Hospital Mortality in Patients With ST-Segment-Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention." *Journal of the American Heart Association* 8 (19): e013551. <https://doi.org/10.1161/JAHA.119.013551>.
- Wang, Kai, Shile Zhang, Bruz Marzolf, Pamela Troisch, Amy Brightman, Zhiyuan Hu, Leroy E Hood, and David J Galas. 2009. "Circulating MicroRNAs, Potential Biomarkers for Drug-Induced Liver Injury." *Proceedings of the National Academy of Sciences of the United States of America* 106 (11): 4402–7. <https://doi.org/10.1073/pnas.0813371106>.
- Wang, N, G S Wang, H Y Yu, L Mi, L J Guo, and W Gao. 2014. "[Myocardial protection of remote ischemic postconditioning during primary percutaneous coronary intervention in patients with acute ST-segment elevation myocardial infarction]." *Beijing da xue xue bao. Yi xue ban = Journal of Peking University. Health sciences* 46 (6): 838–43.
- Wang, Wenlong, Xiaohui Huang, Yiyong Sun, and Jinying Zhang. 2018. "Blood Rheology of Angina Pectoris Patients with Myocardial Injury after Ischemia Reperfusion and Its Effect on Thromboxane B(2) Levels." *Experimental and Therapeutic Medicine* 15 (1): 769–72. <https://doi.org/10.3892/etm.2017.5449>.
- Weber, C, and H Noels. 2011. "Atherosclerosis: Current Pathogenesis and Therapeutic Options." *Nat Med* 17 (11): 1410–22. <https://doi.org/10.1038/nm.2538>.
- Wickramarachchi, Upul, and Simon Eccleshall. 2016. "Drug-Coated Balloon-Only Angioplasty for Native Coronary Disease Instead of Stents." *Interventional Cardiology (London, England)* 11 (2): 110–15. <https://doi.org/10.15420/icr.2016:17:3>.
- Widimsky, P, W Wijns, J Fajadet, M de Belder, J Knot, L Aaberge, G Andrikopoulos, et al. 2010. "Reperfusion Therapy for ST Elevation Acute Myocardial Infarction in Europe: Description of the Current Situation in 30 Countries." *Eur Heart J* 31 (8): 943–57. <https://doi.org/10.1093/eurheartj/ehp492>.
- Wiviott, Stephen D, Eugene Braunwald, Carolyn H McCabe, Gilles Montalescot, Witold Ruzyllo, Shmuel Gottlieb, Franz-Joseph Neumann, et al. 2007. "Prasugrel versus Clopidogrel in Patients with Acute Coronary Syndromes." *New England Journal of Medicine* 357 (20): 2001–15. <https://doi.org/10.1056/NEJMoa0706482>.
- Xia, Z, H Li, and M G Irwin. 2016. "Myocardial Ischaemia Reperfusion Injury: The Challenge of Translating Ischaemic and Anaesthetic Protection from Animal Models to Humans." *Br J Anaesth* 117 Suppl: ii44–62. <https://doi.org/10.1093/bja/aew267>.
- Xu, M, Y.-P. Lu, A A Hasan, and B Hoher. 2017. "Plasma ET-1 Concentrations Are Elevated in Patients with Hypertension – Meta-Analysis of Clinical Studies." *Kidney and Blood Pressure Research* 42 (2): 304–13. <https://doi.org/10.1159/000477572>.
- Yan, L, N Guo, Y Cao, S Zeng, J Wang, F Lv, Y Wang, and X Cao. 2018. "MiRNA145 Inhibits

Myocardial Infarction-induced Apoptosis through Autophagy via Akt3/MTOR Signaling Pathway in Vitro and in Vivo." *Int J Mol Med* 42 (3): 1537–47. <https://doi.org/10.3892/ijmm.2018.3748>.

Zampetaki, A, P Willeit, I Drozdov, S Kiechl, and M Mayr. 2012. "Profiling of Circulating MicroRNAs: From Single Biomarkers to Re-Wired Networks." *Cardiovasc Res* 93 (4): 555–62. <https://doi.org/10.1093/cvr/cvr266>.

Zaruba, M M, and W M Franz. 2010. "Role of the SDF-1-CXCR4 Axis in Stem Cell-Based Therapies for Ischemic Cardiomyopathy." *Expert Opin Biol Ther* 10 (3): 321–35. <https://doi.org/10.1517/14712590903460286>.

Zhang, Ming, Yun-Jiu Cheng, Jaskanwal D S Sara, Li-Juan Liu, Li-Ping Liu, Xin Zhao, and Hai Gao. 2017. "Circulating MicroRNA-145 Is Associated with Acute Myocardial Infarction and Heart Failure." *Chinese Medical Journal* 130 (1): 51–56. <https://doi.org/10.4103/0366-6999.196573>.

Zhao, C M, X J Yang, J H Yang, X J Cheng, X Zhao, B Y Zhou, S D Xu, and H F Wang. 2012. "Effect of Ischaemic Postconditioning on Recovery of Left Ventricular Contractile Function after Acute Myocardial Infarction." *J Int Med Res* 40 (3): 1082–88. <https://doi.org/10.1177/147323001204000327>.

Zhou, S S, J P Jin, J Q Wang, Z G Zhang, J H Freedman, Y Zheng, and L Cai. 2018. "MiRNAs in Cardiovascular Diseases: Potential Biomarkers, Therapeutic Targets and Challenges." *Acta Pharmacol Sin* 39 (7): 1073–84. <https://doi.org/10.1038/aps.2018.30>.

