

DAFTAR PUSTAKA

1. Malakar AK, Choudhury D, Halder B, Paul P, Uddin A, Chakraborty S. A review on coronary artery disease, its risk factors, and therapeutics. *J Cell Physiol.* 2019;234(10):16812-23.
2. Knuuti J, Wijns W, Saraste A, Capodanno D, Barbato E, Funck-Brentano C, et al. 2019 ESC Guidelines for the diagnosis and management of chronic coronary syndromes. *Eur Heart J.* 2020;41(3):407-77.
3. Galassi AR, Werner GS, Boukhris M, Azzalini L, Mashayekhi K, Carlino M, Avran A, Konstantinidis NV, Grancini L, Bryniarski L, Garbo R, Bozinovic N, Gershlick AH, Rathore S, Di Mario C, Louvard Y, Reifart N, Sianos G. Percutaneous recanalisation of chronic total occlusions: 2019 consensus document from the EuroCTO Club. *EuroIntervention.* 2019 Jun 20;15(2):198-208.
4. Sianos G, Werner GS, Galassi AR, Papafaklis MI, Escaned J, Hildick-Smith D, Christiansen EH, Gershlick A, Carlino M, Karlas A, Konstantinidis NV, Tomasello SD, DiMario C, Reifart N; EuroCTO Club. Recanalisation of chronic total coronary occlusions: 2012 consensus document from the EuroCTO club. *EuroIntervention.* 2012; 8:139-45.
5. Azzalini L, Jolicoeur EM, Pighi M, Millán X, Picard F, Tadros VX, Fortier A, L'Allier PL, Ly HQ. Epidemiology, Management Strategies, and Outcomes of Patients with Chronic Total Coronary Occlusion. *Am J Cardiol.* 2016; 118:1128-35.
6. Khan MA, Hashim MJ, Mustafa H, et al. Global epidemiology of ischemic heart disease: results from the global burden of disease study. *Cureus* 2020; 12:e9349.
7. Dimagli A, Benedetto U. Surgical revascularization of hibernating myocardium: the known and the unknown. *Vessel Plus* 2021; 5:13.
8. Wang, P., Liu, Y. & Ren, L. Evaluation of left ventricular function after percutaneous recanalization of chronic coronary occlusions. *Herz* 2019, 170–174.

9. Rossello X, Pujadas S, Serra A, Bajo E, Carreras F, Barros A, Cinca J, Pons-Lladó G, Vaquerizo B. Assessment of Inducible Myocardial Ischemia, Quality of Life, and Functional Status After Successful Percutaneous Revascularization in Patients With Chronic Total Coronary Occlusion. *Am J Cardiol.* 2015; 117:720-6.
10. Azzalini L, Torregrossa G, Puskas JD, Brilakis ES, Lombardi WL, Karmpalotis D, Nakamura S, Colombo A, Carlino M. Percutaneous revascularization of chronic total occlusions: rationale, indications, techniques, and the cardiac surgeon's point of view. *Int J Cardiol.* 2017; 231:90-6.
11. Fareed, A., Youssef, A., Oraby, M., Salem, A. Evaluation of Myocardial Tissue Doppler Echocardiography as a Predictor for Recovery of Left Ventricular Function after Percutaneous Coronary Revascularization for Patients with Coronary Artery Disease. *The Egyptian Journal of Hospital Medicine*, 2023; 90(2): 2353-2358.
12. Mahmoud, H, Boghdady, A, Alsenbesy, M, Ghalib, A, Okasha, A, Dardeer, H, and Sabra, A. Tissue Doppler Study before and after PCI in Patients with Chronic Stable Angina and Apparent Normal Ventricular Function for Evaluation of Myocardial Function. *World Journal of Cardiovascular Diseases.* 2020; **10**, 395-409.
13. El Shafey W, Montaser S, Badran H, Gabr M, Shokry K, Galassi A. Assessment of left ventricular function before and after a percutaneous coronary intervention to chronic total coronary occlusion: Doppler tissue imaging study. *Menoufia Medical Journal.* 2015, 28(2): 400-405.
14. Giubilato S, Davide S, Ruggero A. Percutaneous. Recanalization of Chronic Total Occlusion (CTO) Coronary Arteries: Looking Back and Moving Forward [Internet]. What Should We Know About Prevented, Diagnostic, and Interventional Therapy in Coronary Artery Disease. *InTech*; 2013. Available from: <http://dx.doi.org/10.5772/54079>
15. Stone GW, Reifart NJ, Moussa I, Hoyer A, Cox DA, Colombo A, et al. Percutaneous recanalization of chronically occluded coronary arteries: a consensus document: Part I. *Circulation.* 2005; 112, 2364-72.

16. Sakuda H, Nakashima Y, Kuriyama S, Sueishi K – Media conditioned by smooth muscle cells cultured in a variety of hypoxic environments stimulates in vitro angiogenesis. *Am J Pathol.* 2002; 141, 1507-1516.
17. Hoye A. – The how and why of Chronic total occlusions. Part two: why we treat CTOs the way we do. Understanding the way we approach percutaneous coronary recanalisation of chronic total occlusions. *EuroInterv.* 2006; 2, 382-388.
18. Borgers M. Hibernating myocardium: programmed cell survival or programmed cell death? *Exp Clin Cardiol.* 2002;7 :69–72.
19. Kloner RA. Stunned and Hibernating Myocardium: Where Are We Nearly 4 Decades Later? *J Am Heart Assoc.* 2020 Feb 4;9.
20. Page BJ, Banas MD, Suzuki G, Weil BR, Young RF, Fallavollita JA, Palka BA, Canty JM Jr. Revascularization of chronic hibernating myocardium stimulates myocyte proliferation and partially reverses chronic adaptations to ischemia. *J Am Coll Cardiol.* 2015; 65:684–697.
21. Zipes Douglas P., Libby Peter, Bonow Robert O., Mann Douglas L., Tomaselli Gordon F., and Braunwald Eugene. *Braunwald's Heart Disease: A Textbook of Cardiovascular Medicine*, Eleventh Edition, Canada, Elsevier. 2018. 1944 pages. ISBN: 978-0-323-46342-3.
22. Olivari, Z., Rubartelli, P., Pisicone, F., Etti, F., Fontanelli, A., Salemme, L., et al. On Behalf of TOAST-GISE Investigators. Immediate Results and One-Year Clinical Outcome after Percutaneous Coronary Interventions in Chronic Total Occlusions (TOAST-GISE). *Journal of the American College of Cardiology.* 2003. 41, 1672-1678.
23. Heusch G, Libby P, Gersh B, Yellon D, Bohm M, Lopaschuk G, et al. Cardiovascular remodelling in coronary artery disease and heart failure. *Lancet* 2014;383: 1933–1943.
24. Perezto-Valdés O, Candell-Riera J, Santana-Boado C, et al. Correspondence between left ventricular 17 myocardial segments and coronary arteries. *Eur Heart J.* 2005;26(24):2637-2643.
25. McDiarmid AK, Pellicori P, Cleland JG, Plein S. Taxonomy of segmental myocardial systolic dysfunction. *Eur Heart J.* 2017;38(13):942-954.

26. Cwajg JM, Cwajg E, Nagueh SF, et al. End-diastolic wall thickness as a predictor of recovery of function in myocardial hibernation: relation to redistribution T1-201 tomography and dobutamine stress echocardiography. *J Am Coll Cardiol*. 2000;35(5):1152-1161.
27. Shah DJ, Kim HW, James O, et al. Prevalence of regional myocardial thinning and relationship with myocardial scarring in patients with coronary artery disease. *JAMA*. 2013;309(9):909-918.
28. Shan K, Bick RJ, Poindexter BJ, Shimoni S, Letsou GV, Reardon MJ, Howell JF, ZoghbiWA, Nagueh SF. Relation of tissue Doppler derived myocardial velocities to myocardial structure and beta-adrenergic receptor density in humans. *J Am Coll Cardiol*. 2000; 36:891–896.
29. Suero JA, Marso SP, Jones PG, Laster SB, Huber KC, Giorgi LV, Johnson WL, Rutherford BD. Procedural outcomes and long-term survival among patients undergoing percutaneous coronary intervention of a chronic total occlusion in native coronary arteries: a 20-year experience. *J Am Coll Cardiol*. 2001; 38:409-14.
30. Rubartelli P, Petronio AS, Guiducci V, Sganzerla P, Bolognese L, Galli M, Sheiban I, Chirillo F, Ramondo A, Bellotti S; Gruppo Italiano di Studio sullo Stent nelle Occlusioni Coronariche II GISE Investigators. Comparison of sirolimus-eluting and bare metal stent for treatment of patients with total coronary occlusions: results of the GISSOC II-GISE multicentre randomized trial. *Eur Heart J*. 2010; 31:2014-20.
31. Di Mario C, Mashayekhi KA, Garbo R, Pyxaras SA, Ciardetti N, Werner GS. Recanalisation of coronary chronic total occlusions. *EuroIntervention*. 2022;18(7):535-561.
32. Colombo A, Mikhail GW, Michev I, Iakovou I, Airolidi F, Chieffo A, Rogacka R, Carlino M, Montorfano M, Sangiorgi GM, Corvaja N, Stankovic G. Treating chronic total occlusions using subintimal tracking and re-entry: the STAR technique. *Catheter Cardiovasc Interv*. 2005; 64:407-11.
33. Lombardi WL. Retrograde PCI: what will they think of next. *J Invasive Cardiol*. 2009; 21:543.

34. Brilakis ES, Grantham JA, Rinfret S, Wyman RM, Burke MN, Karpaliotis D, Lembo N, Pershad A, Kandzari DE, Buller CE, DeMartini T, Lombardi WL, Thompson CA. A percutaneous treatment algorithm for crossing coronary chronic total occlusions. *JACC Cardiovasc Interv.* 2012; 5:367-79.
35. Wu EB, Tsuchikane E, Ge L, Harding SA, Lo S, Lim ST, Chen JY, Lee SW, Qian J, Kao HL, Yan BPY. Retrograde Versus Antegrade Approach for Coronary Chronic Total Occlusion in an Algorithm-Driven Contemporary Asia-Pacific Multicentre Registry: Comparison of Outcomes. *Heart Lung Circ.* 2020; 29:894-903.
36. Christopoulos G, Karpaliotis D, Alaswad K, Yeh RW, Jaffer FA, Wyman RM, Lombardi WL, Menon RV, Grantham JA, Kandzari DE, Lembo N, Moses JW, Kirtane AJ, Parikh M, Green P, Finn M, Garcia S, Doing A, Patel M, Bahadorani J, Tarar MNJ, Christakopoulos GE, Thompson CA, Banerjee S, Brilakis ES. Application and outcomes of a hybrid approach to chronic total occlusion percutaneous coronary intervention in a contemporary multicenter US registry. *Int J Cardiol.* 2015; 198:222-8.
37. Brilakis ES, Grantham JA, Rinfret S, Wyman RM, Burke MN, Karpaliotis D, Lembo N, Pershad A, Kandzari DE, Buller CE, DeMartini T, Lombardi WL, Thompson CA. A percutaneous treatment algorithm for crossing coronary chronic total occlusions. *JACC Cardiovasc Interv.* 2012; 5:367-79.
38. Galassi AR, Werner GS, Boukhris M, et al. Percutaneous recanalisation of chronic total occlusions: 2019 consensus document from the EuroCTO Club. *EuroIntervention.* 2019;15(2):198-208.
39. Harding SA, Wu EB, Lo S, Lim ST, Ge L, Chen JY, Quan J, Lee SW, Kao HL, Tsuchikane E. A New Algorithm for Crossing Chronic Total Occlusions From the Asia Pacific Chronic Total Occlusion Club. *JACC Cardiovasc Interv.* 2017; 10:2135-43.
40. Lang RM, Badano LP, Mor-Avi V, et al. Recommendations for cardiac chamber quantification by echocardiography in adults: an update from the American Society of Echocardiography and the European Association of Cardiovascular Imaging [published correction appears in Eur Heart J Cardiovasc Imaging. 2016 Apr;17(4):412] [published correction appears in Eur

- Heart J Cardiovasc Imaging. 2016 Sep;17 (9):969]. *Eur Heart J Cardiovasc Imaging*. 2015;16(3):233-270.
41. Harbo MB, Nordén ES, Narula J, Sjaastad I, Espe KS. Quantifying left ventricular function in heart failure: What makes a clinically valuable parameter? *Progress in Cardiovascular Diseases*. 2020; 63(5): 552-560.
 42. Henein MY, Lindqvist P. Diastolic function assessment by echocardiography: A practical manual for clinical use and future applications. *Echocardiography*. 2020;37(11):1908-1918.
 43. Nagueh SF. Left Ventricular Diastolic Function: Understanding Pathophysiology, Diagnosis, and Prognosis With Echocardiography. *JACC Cardiovasc Imaging*. 2020;13(1 Pt 2):228-244.
 44. Ho CY, Solomon SD. A clinician's guide to tissue Doppler imaging. *Circulation*. 2006;113(10):e396-e398.
 45. Carluccio E, Biagioli P, Alunni G, et al. Effect of revascularizing viable myocardium on left ventricular diastolic function in patients with ischaemic cardiomyopathy. *Eur Heart J*. 2009; 30(12): 1501-1509.
 46. Eichorn EJ, Willard JE, Alvarez L, Kim AS, Glamann DB, Risser RC, Grayburn PA. Are contraction and relaxation coupled in patients with and without congestive heart failure? *Circulation*. 2002; 85:2132–2139.
 47. Firstenberg MS, Smedira NG, Greenberg NL, Prior DL, McCarthy PM, Garcia MJ, Thomas JD. Relationship between early diastolic intraventricular pressure gradients, an index of elastic recoil, and improvements in systolic and diastolic function. *Circulation*. 2001; 104: I-330–I-335.
 48. Skaluba SJ, Litwin SE. Mechanisms of exercise intolerance. Insights from tissue Doppler imaging. *Circulation*. 2004; 109:972–977.
 49. Adachi Y, Sakakura K, Wada H, et al. Determinants of Left Ventricular Systolic Function Improvement Following Coronary Artery Revascularization in Heart Failure Patients With Reduced Ejection Fraction (HF_rEF). *Int Heart J*. 2016;57(5):565-572.
 50. Dahlan, M. Sopiudin. Statistik untuk kedokteran dan kesehatan. Penerbit Salemba, 2011.

51. Allana, S, Kostantinis, S, Simsek, B. et al. Contemporary Outcomes Of Chronic Total Occlusion Interventions: Update From The Progress-Cto (Prospective Global Registry For The Study Of Chronic Total Occlusion Intervention) International Registry. *J Am Coll Cardiol*. 2023 Mar, 81;1040.
52. Kostantinis, Spyridon & Elguindy, Ahmed & Göktekin, Ömer & Simsek, Bahadır & Karacsonyi, Judit & Görgülü, et al. Contemporary In-Hospital Outcomes of Chronic Total Occlusion Interventions: Update from MENATA (Middle East, North Africa, Turkey and Asia) Chapter of the PROGRESS-CTO Registry. *Journal of the Society for Cardiovascular Angiography & Interventions*. 2022; 1. 100276. 10.1016/j.jscai.2022.100276.
53. Holipah H, Sulistomo HW, Maharani A. Tobacco smoking and risk of all-cause mortality in Indonesia. *PLoS One*. 2020;15(12):e0242558.
54. Theresa A McDonagh, Marco Metra, Marianna Adamo, Roy S Gardner, Andreas Baumbach, Michael Böhm, et al. ESC Scientific Document Group, 2023 Focused Update of the 2021 ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure: Developed by the task force for the diagnosis and treatment of acute and chronic heart failure of the European Society of Cardiology (ESC) With the special contribution of the Heart Failure Association (HFA) of the ESC, *European Heart Journal*, Volume 44, Issue 37, 1 October 2023, Pages 3627–3639,
55. Ferrario CM. Cardiac remodelling and RAS inhibition. *Ther Adv Cardiovasc Dis*. 2016;10(3):162-171.
56. Pearle DL. Pharmacologic management of ischemic heart disease with beta-blockers and calcium channel blockers. *Am Heart J*. 1990;120(3):739-745.
57. Shivalkar B, Maes A, Borgers M, Ausma J, Scheys I, Nuyts J, et al. Only hibernating myocardium invariably shows early recovery after coronary revascularization. *Circulation*. 1996; **94**:308–315.
58. Hossain, Muhammad & Rahman, AKM & Siddique, Md & Banerjee, Sajal & Ahmed, Chowdhury/Chaudhury & Hoque, Harisul & Rahman, Mohammad & Mohammad, Noor & Joarder, Ariful & Khaled, Md & Kabir, Mohammad Faisal & Ahsan, Syed. A study of changes in various echocardiographic

parameters in patients with chronic stable angina undergoing percutaneous coronary intervention (PCI). *University Heart Journal*. 2013; 9. 99.

59. Rashid H, Abu El-Enien H, Ibraheem M. The predictive value of tissue Doppler for left ventricular recovery and remodeling after primary percutaneous coronary intervention. *Journal of Cardiology & Current Research*. 2014 1(6):159-164.
60. Lo Q, Thomas L. Echocardiographic evaluation of diastolic heart failure. *Australas J Ultrasound Med*. 2010;13(1):14-26.
61. Skaluba SJ, Litwin SE. Mechanisms of exercise intolerance. Insights from tissue Doppler imaging. *Circulation*. 2004; 109:972 –977.
62. Yong Y, Nagueh SF, Shimoni S, Shan K, He ZX, Reardon MJ, et al. Deceleration time in ischemic cardiomyopathy: relation to echocardiographic and scintigraphic indices of myocardial viability and functional recovery after revascularization. *Circulation*. 2001; 103:1232 –1237

