THROMBUS IN PERIPHERAL ARTERY DISEASE (PAD) PREVALENCE AND MARKET A SIGNIFICANT BUT RECENTLY NEGLECTED PROBLEM

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REFERENCES (FIRST AND LAST PAGES)

- 1. Shammas NW. Dethrombosis of the lower extremities. Pharmacologic and mechanical techniques. Vasc Dis Manage. 2006:235-9.
- 2. Badimon L, Vilahur G. Thrombosis formation on atherosclerotic lesions and plaque rupture. J Intern Med. 2014 Dec;276(6):618-32.
- 3. Bentzon JF, Otsuka F, Virmani R, Falk E. Mechanisms of plaque formation and rupture. Circ Res. 2014 Jun 6;114(12):1852-66.
- 4. Sato Y, Hatakeyama K, Yamashita A, et al. Proportion of fibrin and platelets differs in thrombi on ruptured and eroded coronary atherosclerotic plaques in humans. Heart. 2005 Apr;91(4):526-30.
- 5. Quillard T, Franck G, Mawson T, et al. Mechanisms of erosion of atherosclerotic plaques. Curr Opin Lipidol. 2017 Oct;28(5):434-441.
- 6. American Heart Association. About peripheral artery disease. [Internet accessed 2018 Dec 24.] Available at: https://www.heart.org/en/health-topics/peripheral-artery-disease/about-peripheral-artery-disease-pad.
- 7. Arbab-Zadeh A, Fuster V. The myth of the "vulnerable plaque": transitioning from a focus on individual lesions to atherosclerotic disease burden for coronary artery disease risk assessment. J Am Coll Cardiol. 2015;65(8):846-855.
- 8. Asada Y, Yamashita A, Sato Y, Hatakeyama K. Thrombus Formation and Propagation in the Onset of Cardiovascular Events. J Atheroscler Thromb. 2018 Aug 1;25(8):653-664.
- 9. Lutgens E, van Suylen RJ, Faber BC, et al. Atherosclerotic plaque rupture: local or systemic process? Arterioscler Thromb Vasc Biol. 2003 Dec;23(12):2123-30.
- 10. Okura H, Asawa K, Kubo T, et al. Incidence and predictors of plaque rupture in the peripheral arteries. Circ Cardiovasc Interv 2010; 3: 63-70.
- 11. Torii S, Mustapha JA, Narula J, et al. Histopathologic characterization of peripheral arteries in subjects with abundant risk factors: correlating imaging with pathology. JACC Cardiovasc Imaging. 2018 Dec 6. pii:S1936-878X(18)31008-8.
- 12. Shammas NW. An algorithm-based approach to optimize endovascular outcomes of complex infrainguinal peripheral arterial disease. Vascular Disease Management 2016; 13(6):E128-E136.
- 13. Topaz O, Topaz A, Owen K. Thrombus grading for coronary interventions. The role of contemporary classifications. Interv Cardiol 2011;3(6):705-12. [Internet.] Accessed 2013. Available at: http://www.medscape.com/viewarticle/758474_1.
- 14. Bhatt DL. Heparin in peripheral vascular intervention—time for a change? J Invasive Cardiol 2003:15(5): 249-50.

- 69. Mahoney EM, Wang K, Keo HH, et al. Vascular hospitalization rates and costs in patients with peripheral artery disease in the United States. Circ Cardiovasc Qual Outcomes 2010; 3:642-51.
- 70. Diehm C, Allenberg JR, Pittrow D, et al. Mortality and vascular morbidity in older adults with asymptomatic versus symptomatic peripheral artery disease. Circulation 2009;120: 2053-61.
- 71. Leng GC, Lee AJ, Fowkes FG, et al. Incidence, natural history and cardiovascular events in symptomatic and asymptomatic peripheral arterial disease in the general population. Int J Epidemiol 1996, Dec; 25(6):1172-81.
- 72. Yost ML. The real cost of peripheral artery disease. Atlanta (GA): THE SAGE GROUP; 2011
- 73. Conte MS, Bandyk DF, Clowes AW, et al. Risk factors, medical therapies and perioperative events in limb salvage surgery: observations from the PREVENT III multicenter trial. J Vasc Surg 2005;42(3):456-65.
- 74. Bianchi C, Montalvo V, Ou HW, et al. Pharmacologic risk factor treatment of peripheral arterial disease is lacking and requires vascular surgeon participation. Ann Vasc Surg 2007; 21(2): 163-6.
- 75. Armstrong EJ, Chen DC, Westin GG, et al. Adherence to guideline-recommended therapy is associated with decreased major adverse cardiovascular events and major adverse limb events among patients with peripheral arterial disease. J Am Heart Assoc. 2014 Apr 10;3(2):e000697.
- 76. Howard DP, Banerjee A, Fairhead JF, et al; Oxford Vascular Study. Population-based study of incidence, risk factors, outcome, and prognosis of ischemic peripheral arterial events: implications for prevention. Circulation. 2015 Nov 10;132(19):1805-15.

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