



## REFERENCES.

- Saeedi, P., Petersohn, I., Salpea, P., Malanda, B., Karuranga, S., Unwin, N., Colagiuri, S., Guariguata, L., Motala, A. A., Ogurtsova, K., Shaw, J. E., Bright, D., & Williams, R. (2019). Global and regional diabetes prevalence estimates for 2019 and projections for 2030 and 2045: Results from the International Diabetes Federation Diabetes Atlas, 9th edition. *Diabetes Research and Clinical Practice*, 157, 107843. <https://doi.org/10.1016/j.diabres.2019.107843>
- Goyal, R. & Jialal, I., 2020. Diabetes Mellitus Type 2. *StatPearls [Internet]*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK513253/>
- Kesehatan, K., 2019. Laporan Nasional Riskesdas 2018. Jakarta, Indonesia: *Lembaga Penerbit Balitbangkes, Kementerian Kesehatan, Republik Indonesia, Badan Penelitian dan Pengembangan Kesehatan*, pp. 49–81.
- Wilcox, T., Newman, J. D., Maldonado, T. S., Rockman, C., & Berger, J. S. (2018). Peripheral vascular disease risk in diabetic individuals without coronary heart disease. *Atherosclerosis*, 275, 419–425. <https://doi.org/10.1016/j.atherosclerosis.2018.04.026>
- Thiruvoipati, T., Kielhorn, C.E. & Armstrong, E.J., 2015. Peripheral artery disease in patients with diabetes: Epidemiology, mechanisms, and outcomes. *World journal of diabetes*. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4499529/>
- Ismail, M.T., Arifin Lutfie F.F., et al., 2021. Prevalence and Risk Factors of Peripheral Arterial Disease in type 2 Diabetes Mellitus in Yogyakarta, Indonesia, *Acta Cardiologica Indonesiana*, 7(2), pp.29–33.
- Agnelli, G. et al., 2019. Morbidity and mortality associated with atherosclerotic peripheral artery disease: A systematic review. *Atherosclerosis*, 293, pp.94–100.
- Tenny, S., 2021. Prevalence. *StatPearls [Internet]*. Available at: [https://www.ncbi.nlm.nih.gov/books/NBK430867/#\\_\\_NBK430867\\_dtls\\_\\_](https://www.ncbi.nlm.nih.gov/books/NBK430867/#__NBK430867_dtls__)
- Siao, R., So, M.J. & Gomez, M.H., 2018. Pulse Oximetry as a Screening Test for Hemodynamically Significant Lower Extremity Peripheral Artery Disease in Adults with Type 2 Diabetes Mellitus. *Journal of the ASEAN Federation of Endocrine Societies*, 33(2), pp.130–136.
- Soyoye, D. O., Ikem, R. T., Kolawole, B. A., Oluwadiya, K. S., Bolarinwa, R. A., & Adebayo, O. J. (2016). Prevalence and Correlates of Peripheral Arterial Disease in Nigerians with Type 2 Diabetes. *Advances in Medicine*, 2016, 1–6. <https://doi.org/10.1155/2016/3529419>
- Mejias, S. G., & Ramphul, K. (2018). Prevalence of peripheral arterial disease among diabetic patients in Santo Domingo, Dominican Republic and associated risk factors.



*Archives of Medical Science - Atherosclerotic Diseases*, 3(1), 35–40.  
<https://doi.org/10.5114/amsad.2018.73527>

Lucier, J., 2020. Diabetes Mellitus Type 1. *StatPearls [Internet]*. Available at:  
<https://www.ncbi.nlm.nih.gov/books/NBK507713/>

Braunwald, E. et al., 2001. *Harrison's principles of internal medicine*. New York, United State: McGraw-Hill, pp. 2850–2859.

Dhaliwal, G. & Mukherjee, D., 2007. Peripheral arterial disease: Epidemiology, natural history, diagnosis and treatment. *The International journal of angiology : official publication of the International College of Angiology, Inc.* Available at:  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2733014/>

Solis-Herrera, C., Triplitt, C., et al., 2018. Classification of Diabetes Mellitus. *Endotext [Internet]*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK279119/>

Galicia-Garcia, U., Benito-Vicente, A., Jebari, S., Larrea-Sebal, A., Siddiqi, H., Uribe, K. B., Ostolaza, H., & Martín, C. (2020). Pathophysiology of Type 2 Diabetes Mellitus. *International Journal of Molecular Sciences*, 21(17), 6275.  
<https://doi.org/10.3390/ijms21176275>

Krishna, S., Moxon, J., & Golledge, J. (2015). A Review of the Pathophysiology and Potential Biomarkers for Peripheral Artery Disease. *International Journal of Molecular Sciences*, 16(12), 11294–11322. <https://doi.org/10.3390/ijms160511294>

Muir, R., (2009). Peripheral arterial disease: Pathophysiology, risk factors, diagnosis, treatment, and prevention. *Journal of vascular nursing : official publication of the Society for Peripheral Vascular Nursing*. Available at:  
<https://pubmed.ncbi.nlm.nih.gov/19486852/>

Bowers, B. L., Valentine, R. J., Myers, S. I., Chervu, A., & Clagett, G. P. (1993). The natural history of patients with claudication with toe pressures of 40 mm Hg or less. *Journal of Vascular Surgery*, 18(3), 506–511. [https://doi.org/10.1016/0741-5214\(93\)90269-R](https://doi.org/10.1016/0741-5214(93)90269-R)

Barrera-Guarderas, F., Carrasco-Tenezaca, F. & De la Torre-Cisneros, K., 2020. Peripheral Artery Disease in Type 2 Diabetes Mellitus: Survival Analysis of an Ecuadorian Population in Primary Care. *Journal of primary care & community health*. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7543104/>

Akalu, Y. & Birhan, A., 2020. Peripheral Arterial Disease and Its Associated Factors among Type 2 Diabetes Mellitus Patients at Debre Tabor General Hospital, Northwest Ethiopia. *Journal of diabetes research*. Available at:  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7008281/>

Suwannasrisuk, P. et al., 2020. Prevalence and predictors of peripheral arterial disease determined by ankle brachial index in diabetes population treated within primary care services in a non-urban area of lower northern Thailand. *Diabetes & vascular*



- disease research.* Available at:  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7919206/>
- Agboghroma, O.F., Akemokwe, F.M. & Puepet, F.H., 2020. Peripheral arterial disease and its correlates in patients with type 2 diabetes mellitus in a teaching hospital in northern Nigeria: a cross-sectional study. *BMC cardiovascular disorders*. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7049182/>
- Shu, J. & Santulli, G., 2018. Update on peripheral artery disease: Epidemiology and evidence-based facts. *Atherosclerosis*. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6113064/>
- Egan, B.M. et al., 2021. Hypertension Control in the United States 2009 to 2018: Factors Underlying Falling Control Rates During 2015 to 2018 Across Age- and Race-Ethnicity Groups. *Hypertension*. Available at: <https://www.ahajournals.org/doi/10.1161/HYPERTENSIONAHA.120.16418>
- Aboyans, V. et al., 2012. Measurement and Interpretation of the Ankle-Brachial Index. *Circulation*. Available at: <https://www.ahajournals.org/doi/full/10.1161/cir.0b013e318276fbc6>
- Pappan, N., 2021. Dyslipidemia. *StatPearls [Internet]*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK560891/>
- NHSUK., 2019. What is the body mass index (BMI)? *NHS Choices*. Available at: <https://www.nhs.uk/common-health-questions/lifestyle/what-is-the-body-mass-index-bmi/>
- Shahjehan, R.D., 2021. Coronary Artery Disease. *StatPearls [Internet]*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK564304/>
- Aday, A. W., & Everett, B. M. (2019). Dyslipidemia Profiles in Patients with Peripheral Artery Disease. *Current Cardiology Reports*, 21(6), 42. <https://doi.org/10.1007/s11886-019-1129-5>
- Arnett, D. K., Blumenthal, R. S., Albert, M. A., Buroker, A. B., Goldberger, Z. D., Hahn, E. J., Himmelfarb, C. D., Khera, A., Lloyd-Jones, D., McEvoy, J. W., Michos, E. D., Miedema, M. D., Muñoz, D., Smith, S. C., Virani, S. S., Williams, K. A., Yeboah, J., & Ziaeian, B. (2019). 2019 ACC/AHA Guideline on the Primary Prevention of Cardiovascular Disease: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines. *Circulation*, 140(11). <https://doi.org/10.1161/CIR.0000000000000678>
- Cardoso, C. R. L., Melo, J. v., Santos, T. R. M., Leite, N. C., & Salles, G. F. (2021). Traditional and non-traditional risk factors for peripheral artery disease development/progression in patients with type 2 diabetes: the Rio de Janeiro type 2 diabetes cohort study. *Cardiovascular Diabetology*, 20(1), 54. <https://doi.org/10.1186/s12933-021-01249-y>



- Foussard, N., Saulnier, P., Potier, L., Ragot, S., Schneider, F., Gand, E., Monlun, M., Heffron, S. P., Dwivedi, A., Rockman, C. B., Xia, Y., Guo, Y., Zhong, J., & Berger, J. S. (2020). Body mass index and peripheral artery disease. *Atherosclerosis*, *292*, 31–36. <https://doi.org/10.1016/j.atherosclerosis.2019.10.017>
- Foussard, N., Saulnier, P.-J., Potier, L., Ragot, S., Schneider, F., Gand, E., Monlun, M., Baillet-Blanco, L., Velho, G., Marre, M., Roussel, R., Rigalleau, V., Mohammedi, K., & Hadjadj, S. (2020). Relationship Between Diabetic Retinopathy Stages and Risk of Major Lower-Extremity Arterial Disease in Patients With Type 2 Diabetes. *Diabetes Care*, *43*(11), 2751–2759. <https://doi.org/10.2337/dc20-1085>
- Holder, T. and Aday, A., 2021. Symptom Progression in Peripheral Artery Disease. [online] *Circulation: Cardiovascular Interventions*. Available at: <<https://www.ahajournals.org/doi/10.1161/CIRCINTERVENTIONS.120.010021>>
- Ramos R, Quesada M, Solanas P, Subirana I, Sala J, Vila J, et al. Prevalence of symptomatic and asymptomatic peripheral arterial disease and the value of the ankle-brachial index to stratify cardiovascular risk. *European Journal Vascular Endovascular Surgery*. 2009;38:305–11.
- Itoga, N. K., Tawfik, D. S., Lee, C. K., Maruyama, S., Leeper, N. J., & Chang, T. I. (2018). Association of Blood Pressure Measurements With Peripheral Artery Disease Events. *Circulation*, *138*(17), 1805–1814. <https://doi.org/10.1161/CIRCULATIONAHA.118.033348>
- Ix, J. H., Biggs, M. L., Kizer, J. R., Mukamal, K. J., Djousse, L., Zieman, S. J., de Boer, I. H., Nelson, T. L., Newman, A. B., Criqui, M. H., & Siscovick, D. S. (2011). Association of Body Mass Index With Peripheral Arterial Disease in Older Adults: The Cardiovascular Health Study. *American Journal of Epidemiology*, *174*(9), 1036–1043. <https://doi.org/10.1093/aje/kwr228>
- Krishnan, M. N., Geevar, Z., Mohanan, P. P., Venugopal, K., & Devika, S. (2018). Prevalence of peripheral artery disease and risk factors in the elderly: A community based cross-sectional study from northern Kerala, India. *Indian Heart Journal*, *70*(6), 808–815. <https://doi.org/10.1016/j.ihj.2017.11.001>
- Lu, L., Mackay, D. F., & Pell, J. P. (2014). Meta-analysis of the association between cigarette smoking and peripheral arterial disease. *Heart*, *100*(5), 414–423. <https://doi.org/10.1136/heartjnl-2013-304082>
- Nichols, G., 2021. *Abstract 407: The Association Between Diabetic Peripheral Neuropathy and Peripheral Artery Disease*. [online] *Arteriosclerosis, Thrombosis, and Vascular Biology*. Available at: <[https://www.ahajournals.org/doi/10.1161/atvb.34.suppl\\_1.407](https://www.ahajournals.org/doi/10.1161/atvb.34.suppl_1.407)> [Accessed 22 December 2021].
- Sarangi, S., Srikant, B., Rao, D. v., Joshi, L., & Usha, G. (2012). Correlation between peripheral arterial disease and coronary artery disease using ankle brachial index-a study in Indian population. *Indian Heart Journal*, *64*(1), 2–6. [https://doi.org/10.1016/S0019-4832\(12\)60002-9](https://doi.org/10.1016/S0019-4832(12)60002-9)
- Song, P., Rudan, D., Zhu, Y., Fowkes, F. J. I., Rahimi, K., Fowkes, F. G. R., & Rudan, I. (2019). Global, regional, and national prevalence and risk factors for peripheral artery



- disease in 2015: an updated systematic review and analysis. *The Lancet Global Health*, 7(8), e1020–e1030. [https://doi.org/10.1016/S2214-109X\(19\)30255-4](https://doi.org/10.1016/S2214-109X(19)30255-4)
- Willigendael, E. M., Teijink, J. A. W., Bartelink, M.-L., Kuiken, B. W., Boiten, J., Moll, F. L., Büller, H. R., & Prins, M. H. (2004). Influence of smoking on incidence and prevalence of peripheral arterial disease. *Journal of Vascular Surgery*, 40(6), 1158–1165. <https://doi.org/10.1016/j.jvs.2004.08.049>
- Yang, C., Kwak, L., Ballew, S. H., Jaar, B. G., Deal, J. A., Folsom, A. R., Heiss, G., Sharrett, A. R., Selvin, E., Sabanayagam, C., Coresh, J., & Matsushita, K. (2020). Retinal microvascular findings and risk of incident peripheral artery disease: An analysis from the Atherosclerosis Risk in Communities (ARIC) Study. *Atherosclerosis*, 294, 62–71. <https://doi.org/10.1016/j.atherosclerosis.2019.10.012>
- Chung Man, A.W., 2020. Age-associated arterial remodelling and cardiovascular diseases. *Research Gate*. Available at: [https://www.researchgate.net/publication/329417321\\_Age-associated\\_Arterial\\_Remodelling\\_and\\_Cardiovascular\\_Diseases](https://www.researchgate.net/publication/329417321_Age-associated_Arterial_Remodelling_and_Cardiovascular_Diseases)
- Makin, A., Lip, G., Silverman, S., & Beevers, D. (2001). Peripheral vascular disease and hypertension: a forgotten association? *Journal of Human Hypertension*, 15(7), 447–454. <https://doi.org/10.1038/sj.jhh.1001209>
- Tyrrell, D. J., & Goldstein, D. R. (2021). Ageing and atherosclerosis: vascular intrinsic and extrinsic factors and potential role of IL-6. *Nature Reviews Cardiology*, 18(1), 58–68. <https://doi.org/10.1038/s41569-020-0431-7>
- Xu, X., Wang, B., Ren, C., Hu, J., Greenberg, D. A., Chen, T., Xie, L., & Jin, K. (2017). Age-related Impairment of Vascular Structure and Functions. *Aging and Disease*, 8(5), 590. <https://doi.org/10.14336/AD.2017.0430>
- Cersosimo, E., & DeFronzo, R. A. (2006). Insulin resistance and endothelial dysfunction: the road map to cardiovascular diseases. *Diabetes/Metabolism Research and Reviews*, 22(6), 423–436. <https://doi.org/10.1002/dmrr.634>
- Tehan, P. E., Santos, D., & Chuter, V. H. (2016). A systematic review of the sensitivity and specificity of the toe–brachial index for detecting peripheral artery disease. *Vascular Medicine*, 21(4), 382–389. <https://doi.org/10.1177/1358863X16645854>
- Wang, W., Zhao, T., Geng, K., Yuan, G., Chen, Y., & Xu, Y. (2021). Smoking and the Pathophysiology of Peripheral Artery Disease. *Frontiers in Cardiovascular Medicine*, 8. <https://doi.org/10.3389/fcvm.2021.704106>
- Wassel, C. L., Loomba, R., Ix, J. H., Allison, M. A., Denenberg, J. O., & Criqui, M. H. (2011). Family History of Peripheral Artery Disease Is Associated With Prevalence and Severity of Peripheral Artery Disease. *Journal of the American College of Cardiology*, 58(13), 1386–1392. <https://doi.org/10.1016/j.jacc.2011.06.023>