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Ruptured Pseudoaneurysm of the Posterior Tibial Artery after Percutaneous Achilles Tenotomy

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Congenital talipes equinovarus (CTEV), or clubfoot, is the most common encountered musculoskeletal defect encountered at birth. Most cases present as an isolated deformity, with up to half of them presenting with bilateral deformity. CTEV have also been reported to present as part of syndromic phenomena. Dr Igancio Ponseti proposed a serial casting programme to correct the foot's cavus, forefoot adduction, varus and equinus. Up to 90% of infants will require a tendo-achilles (TA) tenotomy for the persisting equinus deformity. TA tenotomy is deemed a relatively safe procedure, with the most authors citing bleeding as the most common complication. The Achilles tendon finds itself surrounded by rich network of blood vessels and nerves. We present a case of a ruptured pseudoaneurysm from the posterior tibial artery after percutaneous TA tenotomy was performed. This is a very rare complication and to our knowledge, only one other posterior tibial artery pseudoaneurysm has been reported.

Recent Publications

1. Chaudhry M, Alessandrini M, Rademan J, Dodgen TM, Steffens FE, van Zyl DG, Gaedigk A, Pepper MS. Impact of CYP2D6 genotype on amitriptyline efficacy for the treatment of diabetic peripheral

neuropathy: a pilot study. *Pharmacogenomics*. 2017 Apr;18(5):433-443. doi:10.2217/pgs-2016-0185. *Pharmacogenomics*. 2017 Mar 28.

2. Rademan J. Ruptured pseudoaneurysm of the posterior tibial artery after percutaneous Achilles tenotomy. *BMJ Case Rep*. 2022 Mar 24;15(3):e232847. doi: 10.1136/bcr-2019-232847.
3. KOTZE, J; RADEMAN, J; STRYDOM, K-A. The antimicrobial effect of Thromboseel against multidrugresistant and drug-sensitive organisms: An in vitro study. *South African Journal of Plastic & Reconstructive Aesthetic Surgery & Burns, [S.l.]*, v. 4, n. 2, p. 35, feb. 2022. Date accessed: 11 May. 2022. doi:10.7196/sajprsb.1464.

Speaker Biography

Rademan obtained a BSc degree in Human Physiology from the University of Pretoria in 2009 and completed a Honours degree in Pharmacology in 2010. This was followed by a medical degree from the University of the Witwatersrand in 2014. Dr. Rademan completed his mandatory two years of internship at Chris Hani Baragwanath Academic Hospital, followed by a year of community service at Job Shimankana Hospital in Rustenburg. Showing a keen interest in trauma and reconstructive surgery early on in his medical career, Dr. Rademan has spent his junior years of surgical training rotating through some of the country's busiest trauma and surgical units.

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