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Interventional radiology for peripheral arterial disease

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Abstract

Peripheral vascular diseases (PAD) are diseases that affect the vascular system, and not the heart or brain. The first line of vascular disease management is interventional treatment. Interventions aim at revascularization or intentional occlusion of the affected vessel. The treatment of patients with endovascular techniques has constantly evolved. These patients can be treated by interventional radiologists in their private clinics, or by multidisciplinary teams composed of vascular surgeons, radiologists, angiologists and/or cardiologists. In this dynamic health system, treatment by multispecialist groups is the best approach and the most financially affordable alternative. Nowadays the role of non-invasive imaging has increased significantly, better determining the extent of peripheral vascular disease. Correlation of clinical data with anatomical data allows the interventional radiologist to adequately determine the patients treatment plan. Open surgery for PAD has now been replaced by minimally invasive interventions. In this way, the recovery time is reduced, the return to work is faster and the overall health costs are lower. Interventional radiology is very useful in the treatment of the diabetic foot. All specialists in this field must work in a multidisciplinary team with dedication and professionalism, in national centers of excellence with well-defined criteria. It is very important to follow new endovascular developments in time, without forgetting the principles of evidence-based medicine. In the future, specific programs for the diabetic foot and dedicated personnel should be drawn up, since it is expected that the costs and the disease will increase in the following years.

Biography:

I am a medical doctor, radiologist, from Tirana, Albania. I graduated on 1998 from the Faculty of Medicine, University of Tirana, Albania. Afterwards I was specialized for four years in Radiology Department and currently I work at the at the University Hospital Centre "Mother Teresa" in Tirana at imagery division. Currently I am doing Phd in this domain at Tirana University, in Tirana - Albania. References 1. Wennberg PW. Approach to the patient with peripheral arterial disease. *Circulation*. 2013; 2. Klein AJ, Feldman DN, Aronow HD, Gray BH, Gupta K, Gigliotti OS, Jaff MR, Bersin RM, White CJ. SCAI expert consensus statement for aorto-iliac arterial intervention appropriate use. *Catheter Cardiovasc Interv*. 2014; 3. AbuRahma AF, Hayes JD, Flaherty SK, Peery W. Primary iliac stenting versus transluminal angioplasty with selective stenting. *J Vasc Surg*. 2007; 4. Goode SD, Cleveland TJ, Gaines PA; STAG Trial Collaborators. Randomized clinical trial of stents versus angioplasty for the treatment of iliac artery occlusions (STAG trial). *Br J Surg*. 2013; 5. Biancari F, Juvonen T. Angiosome-targeted lower limb revascularization for ischemic foot wounds: systematic review and meta-analysis. *Eur J Vasc Endovasc Surg*.