

OPEN SURGICAL REPAIR OF A POPLITEAL VEIN ANEURYSM IN A PATIENT WITH VARICOSE VEINS

Henrique Guedes da Rocha¹, Daniel Mendes¹, Carolina Vaz¹, Rui Machado¹

¹ Department of Angiology and Vascular Surgery, Centro Hospitalar Universitário de Santo António, Unidade Local de Saúde de Santo António, Porto, Portugal

A 64-year-old female with a history of varicose vein surgery presented with left leg heaviness and pain. Apart from the recurrence of varicose veins, diagnostic evaluation with ultrasound and computed tomography angiography (Figure 1) revealed bilateral popliteal vein aneurysms — fusiform on the right with 20 mm and saccular on the left with 24 mm. Due to the left aneurysm's

size, morphology, and concomitant turbulent flow, despite no parietal thrombus, we opted for invasive treatment. The patient underwent tangential aneurysmectomy with lateral venorrhaphy via a posterior approach (Figure 2). She was discharged on postoperative day two with a three-month course of oral anticoagulants. The right popliteal vein aneurysm remains under ultrasound follow-up.



