

A Rare Case of Popliteal Artery Aneurysm Presenting with Foot Drop

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Abstract : Popliteal artery aneurysms (PAAs) are the most common arterial aneurysm of the periphery. It is defined as focal dilation of the artery more than 50% of the normal vessel diameter which usually varies between 7 mm to 11 mm. The most common presentation for PAAs is claudication due to luminal stenosis secondary to mural thrombus or acute limb ischaemia due to occlusive thrombosis or distal thromboembolism. It is less common for patients to present with non-ischaemic symptoms secondary to mass effect and compression of adjacent structures, and of these, presentation with common peroneal nerve compression is particularly uncommon. We present a rare case of a 92-year-old female patient presenting with 4-month history of left foot drop with radiological evidence of common peroneal nerve compression secondary to PAA of 22 mm by 21 mm in size. To the best of our knowledge, this is the smallest reported popliteal aneurysm presenting with foot drop. We also present the endovascular treatment option taken in our case.

Keywords : aneurysm, foot drop, peroneal nerve, popliteal

Conference Title : ICAGPS 2017 : International Conference on Advancements in General and Pediatric Surgery

Conference Location : Tokyo, Japan

Conference Dates : November 13-14, 2017