

Subclavian artery aneurysm in a HIV infected patient: Case Report

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Aim: To highlight the presentation and endovascular management of a leaking subclavian artery aneurysm in a patient with human immunodeficiency virus infection.

Background: The presentation of human immunodeficiency virus infection and its complications continue to be an ever-evolving diagnostic challenge for physicians all over the globe. Patients in the younger age group with de novo peripheral arterial aneurysms occasionally present with alarming complications. Subclavian artery aneurysm is one such entity which can be treated successfully with endovascular techniques.

Case Description: 45 yr. old diabetic female patient initially treated for upper respiratory tract infection later presented with a swelling in the right lower neck region. The cervical lymph node biopsy and blood tests confirmed positive for human immunodeficiency virus. She had spontaneous bleeding from the neck region and an urgent angiography revealed a leaking aneurysm at the origin of the right subclavian artery. This was treated with endovascular technique by using a covered stent and also sealing the retrograde flow from the vertebral artery.

Conclusion: In the setting of bleeding in young patients with

peripheral arterial non-traumatic aneurysms, endovascular management is the most efficient modality of treatment. The use of covered stents and percutaneous approach ensures a rapid recovery and avoids post-operative wound related complications.



Fig. 1. Pre-operative diagnostic imaging

Speaker Biography

Ala Mohammed Hassouneh is a resourceful, motivated Vascular surgery fellow currently works as a senior training fellow in vascular surgery at Royal Stoke University Hospital, University Hospitals of North Midlands NHS Trust. He Graduated in MBBS Medical science at Mutah University-Jordan in 2014. Completed his Internship training in Jordan university hospital from 2014-2015. He has a Master's degree in higher speciality training in General Surgery at Jordan University Hospital.

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