Endovascular treatment of a true axillary artery aneurysm by stentgraft implantation


University Hospital of Schleswig-Holstein, Campus Lübeck, Germany
Clinic for Radiology & Nuclear Medicine
Disclosure

Speaker name:
Susanne Anton, MD

I have the following potential conflicts of interest to report:

- Consulting
- Employment in industry
- Stockholder of a healthcare company
- Owner of a healthcare company
- Other(s)

☐ I do not have any potential conflict of interest
Background

• True axillary aneurysms are extremely rare\textsuperscript{1}
• Trauma, degenerative, congenital etiologies\textsuperscript{2}
• Indications for therapy\textsuperscript{3}
  • Symptomatic aneurysms or pseudoaneurysms
  • Asymptomatic aneurysms: diameter > 2cm
• Complications
• Increase in size

\textsuperscript{1} He et al. Journal of Medical Case Reports 2013; 7:140
\textsuperscript{2} Malik et al. Spontaneous axillary artery aneurysms: a case report and review of the literature. Vascular 2012; 20:46-48
\textsuperscript{3} Fokou et al. Giant pseudoaneurysm of the left axillary artery following a stab wound. Cardivasc J Afr 2012; 23:4-6
Medical history

• 68-year-old male patient
• Diagnosis of cancer of unknown primary (CUP)
• Incidental finding of a true and fusiform asymptomatic axillary artery aneurysm on the right side (3.1 x 3.6 x 5.2 cm)
  • No history of trauma
• Arterial hypertension
Pre-interventional CT images

Syngo.via VRT

Curved thick slab MIP
Procedural steps
Outcome

• Complete exclusion of the aneurysm
• No endoleak
• Patent stentgraft at 6 months FU
• Clinically asymptomatic
Conclusion

• In selected cases endovascular treatment of true axillary aneurysms might be considered
• Technically and clinically effective as well as safe in the short-term follow up
• More data is needed to elucidate the long-term clinical benefit and patency rates of endovascular treatment in the described scenario
Endovascular treatment of a true axillary artery aneurysm by stent graft implantation


University Hospital of Schleswig-Holstein, Campus Lübeck, Germany
Clinic for Radiology & Nuclear Medicine