

**ID: 154**

**Educational Abstract**

Topics: Interventional Radiology

Keywords: Splenic Artery Aneurysm, Interventional Radiology, Embolization

**The Serpiginous Splenic Artery: A Herculean Approach to Embolization**

**Taha Khan, Azhar Ali, Noreen Rasheed, Sudeep Biswas, Ashwin Suri, Arthikka Thavakumar, Arathi Menon, Adnan Kabeer, Imran Syed**

Basildon and Thurrock University Hospital NHS Foundation Trust, United Kingdom

**Learning Objectives**

Feasibility of selective embolization in highly tortuous and anatomically challenging splenic arteries is highlighted.

**Background:**

With an annual incidence of 0.8%, splenic artery aneurysms are rare amongst the general population. However, mortality in patients following rupture ranges between 30 - 90%.

We describe a rare case of an 86-year-old gentleman presenting with haematuria who, following a CT urogram, was incidentally found to have a 20mm saccular splenic artery aneurysm. Endovascular intervention was undertaken due to rupture risk. Interestingly, on cannulation of the splenic artery, a fascinating tortuosity of the artery was seen.

**Findings & Procedure Details**

Vascular access was obtained through a right common femoral arterial approach. A 6-French sheath was sited in the aorta and a Sos-omni catheter was used to access the splenic artery. Angiogram demonstrated a complex serpiginous tortuosity of the splenic artery with acute afferent and efferent arterial entry and exit into the aneurysm. The numerous turns of the artery including an astonishing 180° bend were navigated with the use of a microcatheter. Packing Ruby penumbra coils were successfully deployed. Final angiogram revealed preservation of flow into the efferent artery to the spleen.

**Conclusion**

This case demonstrates pictorially the extent of tortuous anatomical variants in the splenic artery. Furthermore, in a situation where no consensus exists with regards optimal technique, we demonstrate the efficacy of control obtained by microcatheters in successful navigation and embolization of splenic artery aneurysms.