CASE REPORT

Splenic Artery Aneurysm, occluded with two ArtVentive 8 mm EOS Plugs

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Clinical case:
67y old male with chronic pancreatitis with failed attempt to embolize the splenic artery aneurysm in another hospital.

Intended to place endoprosthesis (GORE® VIABAHN®) or perform proximal stent placement – access per common femoral artery → no stable position of catheters.

Access via the brachial artery (as radial artery access was too far a distance from treatment site), and insertion of 100 cm Asahi Intec 7.5F SheathLess Eaucath guiding catheter.
Too much vessel tortuosity for placing VIABAHN® → dissection → cutting back Asahi Intecc guiding catheter to 80 cm, allowing for insertion of an ArtVentive 6 F Guiding Catheter (89 cm) → embolization with two ArtVentive 8 mm EOS Plugs, one distal and one proximal of the aneurysm.

**Image A:** EOS delivery catheter positioned at treatment location. Good visibility of the nitinol scaffold of the non-deployed EOS Plug.

**Image B:** EOS Plug deployment in process (NOTE: the ePTFE membrane is opened and visualized by flushing saline/contrast solution): EOS Plug in position distal of the aneurysm opened, complete occlusion achieved immediately.

(Note: the EOS Plug is still attached to the delivery catheter at its distal end, leaving the operator in control for reposition if necessary).

**Image C:** With the first EOS Plug deployed, the second EOS Plug is in position for deployment, closing the aneurysm at proximal end

**Image D:** Second EOS Plug is deployed proximal of the aneurysm, completing immediate and total occlusion of splenic artery aneurysm.