

Clinical News Bulletin

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Persisting Type II Endoleak with Onyx Embolisation and Extravasation into the Vena Cava Inferior and Extraction with the AndraTec Exeter Retrieval Snare

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Case presentation:

A 86-year old patient presented with a Type II Endoleak after the implantation of a Zenith Stent graft (Cook, Bloomington USA) with an aneurysm growth of 8mm since the initial EVAR. After cannulation of the AAA Sack with a 0,014 Choice PT II Wire (Boston Scientific) and an Echelon microcatheter (Covidien USA) we have decided to use Onyx (EV3 USA) as embolization material to exclude the Type II Endoleak from arterial flow. During the embolization we have seen an extravasation of the embolized Onyx material into the vena cava inferior. (Fig.1, Fig.2) and short after the Onyx-cast fragmented into 3 particels which embolized into the pulmonary arteries.

Probable reason for the extravasation was a periprocedural rupture of the AAA into the vena cava due to wire manipulation inside the AAA.

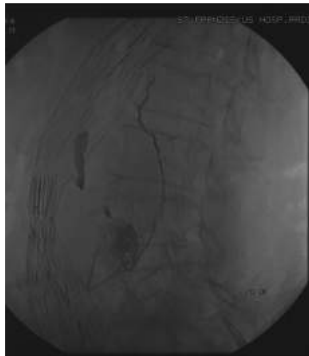


Fig. 1

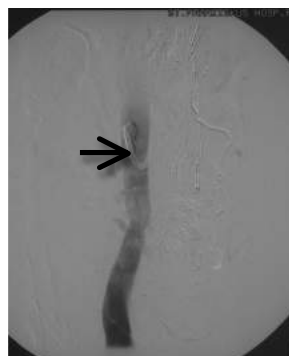
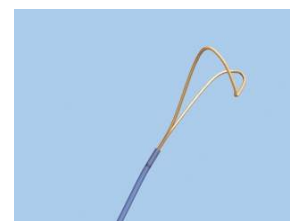


Fig. 2



Exeter
Advanced Retrieval Technology

Intervention:

After the introduction of a 20F sheath (Cook Bloomington USA) to the femoral vein a **20 mm 4F Exeter Snare (AndraTec GmbH Germany)** was used to extract the polymerized Onyx from the pulmonary arteries. We have chosen the **Exeter Snare** because of its high upstanding force in its unique construction to be able to successfully manipulate around the foreign body and to safely extract with the sheath. (Fig. 3,4,) The 1:1 torque and the ease of use of the **Exeter Snare** was excellent, which allowed a smooth and atraumatic retrieval. Final X-Ray and CT-scan confirmed a complete extraction.

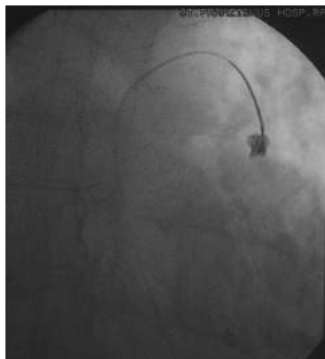


Fig. 4

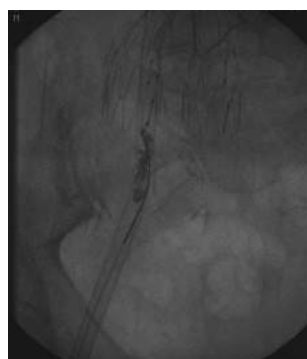


Fig. 5

Conclusion: The **Exeter Snare (AndraTec GmbH Germany)** is an easy to use retrieval device, it is a safe tool for successful extraction of intravascular foreign bodies.

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