Embolization of Type 1 Endoleak Due to Migration of Nellix Endograft System: Clinical Photos of Interest

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An 85-year-old male patient, 3 years after Nellix endograft implantation due to abdominal aortic aneurysm, presented to the clinic for annual follow-up with a huge endoleak secondary to aneurysm expansion and Nellix endograft migration. In order to prevent a rupture of the aortic aneurysm, and as the patient was not a candidate for open surgery, the endoleak was sealed with Ruby Coils (Penumbra, Alameda, USA) and Onyx (Medtronic, Santa Rosa, CA). Figure 1 shows the endoleak on computed tomography (CT; arrows mark the endoleaks). Figure 2\textsuperscript{a–c} shows the angiography procedure with Ruby Coils and Onyx filling the endoleak space. Figure 3\textsuperscript{a,b} shows the post-operative CT. The endoleak diminished on post-operative CT and was not detected by contrast enhanced ultrasound and the patient is planned for follow-up. Tight follow-up is recommended as this is a rescue procedure that we have used in several patients but long-time follow-up is unknown. This method has been used in symptomatic and ruptured aortic aneurysms with different endograft configurations.

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Ethics Statement
(1) All the authors mentioned in the manuscript have agreed to authorship, read and approved the manuscript, and given consent for submission and subsequent publication of the manuscript.
(2) The authors declare that they have read and abided by the JEVTM statement of ethical standards including rules of informed consent and ethical committee approval as stated in the article.

Conflict of Interest
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**Author Contributions**

TMH and DTM drafted, wrote and revised the manuscript.