

Open Surgical Treatment of Carotid Aneurysms with the GORE PROPATEN® Vascular Graft

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CLINICAL CHALLENGE

The patient was a 67-year-old female with no past medical history presenting with dislocation of the mandible. Upon physical examination, the patient was found to have carotid aneurysms. Angiography of the carotid arteries revealed two aneurysms of 2-3 cm in diameter. The aneurysm was located at the level of C1 and C2.

PROCEDURE

The aneurysms were exposed by a standard cervical approach with division of the digastric muscle and dissection of the hypoglossal nerve. The procedure was performed under systemic heparinization without shunting. Due to the location and fusiform nature of the aneurysms, it was decided to proceed with resection of the aneurysms and reestablishment of arterial continuity by interpositioning grafting using the GORE PROPATEN® Vascular Graft.

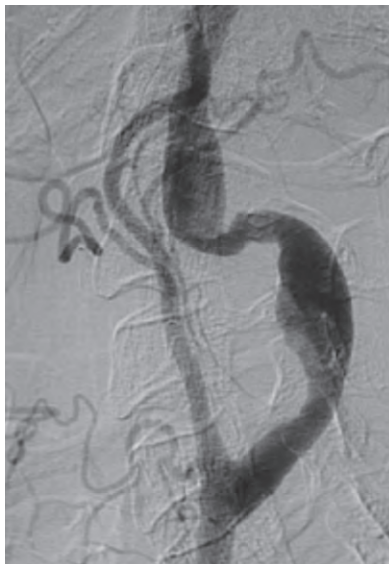


Figure 1. Arteriogram showing carotid artery aneurysms

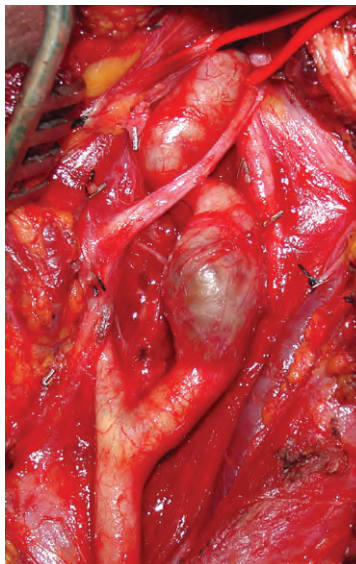


Figure 2. Gross image of the carotid artery aneurysms upon exposure



Figure 3. Gross images of the resected carotid artery aneurysms

Continued on the back...



PERFORMANCE
through experience

RESULTS

Postoperative arteriography demonstrated good results. The patient was in good medical health after six month follow-up with the GORE PROPATEN® Vascular Graft widely patent.

PHYSICIAN COMMENTS

The GORE PROPATEN® Vascular Graft has become the standard-of-care vascular graft in our institution. As it has heparin molecules bonded to its luminal surface, the potential to avoid any thromboembolic complications in this application exists.



Figure 4. Interposition with GORE PROPATEN® Vascular Graft



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