Surgical treatment of a large ruptured internal carotid artery bifurcation aneurysm

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Ruptured aneurysms with intraparenchymal hematoma and mass effect are primarily treated by surgical clipping. In this video presentation, a 68 year old male with a large ruptured right ICA bifurcation aneurysm is presented. Patient's neurological exam was rapidly deteriorating, therefore the patient was transferred to the operating theater after initial evaluation by CT and CT angiogram. A pterional craniotomy was performed, the frontal hematoma was partially removed and the aneurysm was clipped. Residual hematoma was removed after securing the aneurysm and the aneurysm dome was punctured (detail of surgical clipping in the video). Patient made a good recovery at 2 weeks post-op with complete recovery of left sided weakness, and some remaining cognitive deficit.

The video can be found here: <http://youtu.be/dKFWptdgC4M>.

KEY WORDS brain aneurysm; clipping; microsurgery; ICA bifurcation

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