ICA aneurysm surgically treated utilizing a choroidal to PCOM bypass and vein bypass

Nirav J. Patel, M.D. and Michael K. Morgan, M.D.

1Boston University Department of Neurosurgery, Boston Massachusetts; and 2Australian School of Advanced Medicine, Macquarie University, Sydney, Australia

This video shows the surgical repair of a 2.3 cm ICA aneurysm found in a 58-year-old woman, who presented for right eye vision changes. The patient underwent a right modified orbitozygomatic craniotomy and saphenous vein bypass from the common carotid to the temporal M2. The aneurysm was then opened and repaired. However, since the anterior choroidal artery was not filling, a salvage bypass between the anterior choroidal and the PCOM was done. Both bypasses were patent and the patient has done well with a mRS of 1 for vision symptoms.

The video can be found here: http://youtu.be/ciMyzfXgo8I.

KEYWORDS brain aneurysm; bypass; choroidal artery; video