Contralateral approach for clipping of bilateral anterior circulation aneurysms

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Patients with bilateral anterior circulation aneurysms present a management challenge. These lesions may be treated in a staged manner or alternatively, for select patients, a contralateral approach may be utilized to treat bilateral aneurysms with a single surgery. In this narrated video illustration, we present the case of a 57-year-old woman with incidentally discovered bilateral aneurysms (left middle cerebral artery [MCA], left anterior choroidal artery and right MCA). A contralateral approach through a left pterional craniotomy was performed for microsurgical clipping of all three aneurysms. The techniques of pterional craniotomy, contralateral approach, microsurgical clipping and intraoperative angiography are reviewed.

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The video can be found here: <http://youtu.be/MIPlu3hQZkg>.

KEYWORDS contralateral approach; microsurgical clipping; aneurysm; middle cerebral artery; anterior choroidal artery; lamina terminalis; video

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