Far-lateral transcondylar approach for microsurgical trapping of an anterior inferior cerebellar artery aneurysm

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Aneurysms of the posterior circulation remain challenging lesions given their proximity to the brainstem and cranial nerves. Many of these aneurysms may best be approached through a retrosigmoid-suboccipital craniectomy with a far-lateral transcondylar extension. In this narrated video illustration, we present the case of a 37-year-old man with an incidentally discovered right-sided anterior inferior cerebellar artery (AICA) aneurysm. Diagnostic studies included CT angiography and cerebral angiography. A suboccipital craniectomy and far-lateral transcondylar extension were performed for microsurgical trapping and excision of the AICA aneurysm. The techniques of the retrosigmoid craniectomy, C-1 laminectomy, condylectomy and microsurgical trapping of the aneurysm are reviewed.

The video can be found here: http://youtu.be/JiM3CXVwXnk.

KEYWORDS far-lateral; retrosigmoid craniectomy; suboccipital craniectomy; anterior inferior cerebellar artery; aneurysm; microsurgical clipping; video