Clipping and STA-MCA bypass for unruptured AcomA aneurysm associated with unilateral MCA occlusion

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The authors show a surgical technique of clipping in conjunction with superficial temporal artery (STA)–middle cerebral artery (MCA) bypass to treat unruptured anterior communicating artery (AcomA) aneurysm associated with unilateral MCA occlusion. First, through MCA occlusion side, fronto-temporal craniotomy, extra-dural drilling of lesser sphenoid wing, and followed by wide exposure of Sylvian fissure, STA–MCA bypass was performed. Then, through trans-Sylvian, fronto-basal, and lateral trajectory, interhemispheric fissure was dissected from the base, which enabled good exposure and clipping of high positioned AcomA aneurysm.

The video can be found here: <http://youtu.be/GWltnRSs3m4>.

KEY WORDS aneurysm; anterior communicating artery; middle cerebral artery; EC–IC bypass

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