Early microsurgical treatment of ruptured anterior communicating artery aneurysms
Guang-yang Ren¹, Yu-yu Wang¹, Gang Li¹, et al.
¹Department of Neurosurgery, Affiliated Hospital, Zunyi Medical College, Zunyi - China

Background & objective: To investigate the outcomes in patients with ruptured anterior communicating artery aneurysms by early microsurgery.

Methods: Pterional craniotomy techniques were typically used for 98 patients with ruptured anterior communicating artery aneurysms.

Results: The aneurysms of 92 patients were managed with microsurgical neck clipping, another 6 patients were treated by aneurysms trapping, and 12 patients were received decompressive craniectomy. According to Glasgow Outcome Scale (GOS), good recovery was achieved in 91 cases, moderately disabled in 2 cases, severely disabled in 2 cases, and 3 patients died.

Conclusions: The patients with ruptured anterior communicating artery aneurysms should choose microsurgery as earlier as possible.

Key Words: Anterior communicating artery aneurysm; Early microsurgery; Clipping; Subarachnoid hemorrhage