

عنوان مقاله:

Risk of Dependency Following Microsurgical Clipping in Good Grade Patients With Ruptured Anterior Circulation Aneurysms

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نویسندگان:

Sundus Ali - 1. *Punjab Institute of Neurosciences, Lahore, Pakistan* ۲. *Department of Neurosurgery, King Edward Medical University/Mayo Hospital, Lahore, Pakistan*

Fauzia Sajjad - *Punjab Institute of Neurosciences, Lahore, Pakistan*

Asif Shabbir - *Punjab Institute of Neurosciences, Lahore, Pakistan*

Akmal Azeemi - *Punjab Institute of Neurosciences, Lahore, Pakistan*

خلاصه مقاله:

Background and Aim: Most good grade (WFNS I and II) patients who undergo microsurgical clipping achieve a favorable outcome. However, some independent patients before surgery face unfavorable outcomes after the operation, signifying the impact of microsurgical clipping. This study aimed to identify the risk of developing dependency in patients without previous neurological deficits. **Methods and Materials/Patients:** We reviewed ۵۰ consecutive good grade patients with ruptured anterior circulation aneurysms who underwent microsurgical clipping between May ۲۰۱۷ and May ۲۰۲۰ in the Department of Neurosurgery, Punjab Institute of Neurosciences, Lahore, Pakistan. The clinical outcome at discharge and three months follow-up was assessed using the Glasgow Outcome Scale (GOS). **Results:** In this study, seven patients (۱۴%) became dependent (GOS II and III) following clipping. Of whom, five patients (۱۰%) suffered surgical insult in the form of intraoperative rupture (۴%), post-op infarct (۴%), and direct brain damage (۲%). **Conclusion:** Patients without neurologic deficit pre-operatively still suffer unfavorable outcomes mainly due to operative complications. Vascular injuries remain the main cause of morbidity-producing dependency. Therefore, all surgical techniques must minimize the risk to vessels, both during dissection and at clip placement.

کلمات کلیدی:

Intracranial Aneurysm, Clips, Surgical, Dependence, Anterior Circulation

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