



Microsurgical resection of high flow Cerebral Arteriovenous malformations; two case reports

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Abstract:

Microsurgical resection of Cerebral arteriovenous malformation (AVM) is a challenging procedure particularly for high flow type. Embolisation, microsurgery or radiotherapy are the treatment plan. Preoperative planning to control the feeders, arachnoid dissection around the AVM for identification and control of all arterial feeders around the AVM surfaces, lastly control of draining vein is the principal of microsurgery. The goal of surgery is to remove the AVM completely to eliminate the risk of bleeding avoiding neurological deterioration. In this paper we reviewed two cases of high flow Cerebral AVM with successful microsurgical resection without any new deficit. AVMs are tangled lesions which may reroute the blood flow particularly the high flow ones and microsurgical resection is challenging. The natural history of AVM is poorly understood and its management is controversial.

Biography:

Md Moshir Rahman was born in Khulna, Bangladesh in 1973. He passed his graduation from Jahurul Islam Medical College in 1997 and had completed post graduation (MS in Neurosurgery) from Dhaka Medical College under University of Dhaka in 2009. He became Assistant Professor of Neurosurgery in 2012 in Holy Family Red Crescent Medical College, Dhaka, Bangladesh. Dr. Rahman has a personal series of about 3000 cranial and spinal surgeries which include more than 200 minimally invasive spine surgeries, a fair number of complex vascular (AVM and Aneurysm) and skull base surgeries, many endoscopic procedures (ETV, Pituitary, Cysto-Cisternos-



tomy for arachnoid cysts) and a few brain stem surgeries. He has more than 40 national and international publications. He travelled many countries of the world as a trainee in early career, and also as a delegate, faculty & invited speaker in recent years. He is an editorial board member of Asian Spine Journal, Acta Scientific Neurology, SunText Review of Neuroscience & Psychology and Global Neurology Journal. He became peer reviewer of many journals including Iranian Journal of Neurosurgery, Surgical Neurology International, JMCR, Medical Science Monitor, Medicine. Dr. Rahman is a member of 6 national and international medical societies including AANS, CNS and EANS.

Publication of speakers:

1. Md Moshir Rahman et al, A study on outcomes and complications of instrumentation in spinal tuberculosis European Journal of Pharmaceutical and Medical Research.
2. Md Moshir Rahman et al, Herniectomy without discectomy in extruded lumbar disc herniation; should it be the gold standard? Journal of Turkish Spinal Surgery.
3. Md Moshir Rahman, COVID 19 Outbreaks and Impact on Developing Countries like Bangladesh, Asian Journal of Research in Infectious Diseases.

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