

Chagoya et al. presented the first documented case of delayed hemorrhage associated with a cerebellar AVM 5 years post linear-accelerator based radiation in a 31-year-old man despite apparent angiographic obliteration

Intracranial hemorrhage after radiosurgery in DSA confirmed obliterated AVMs is rare, with limited understanding of risk factors, appropriate preventative management, and mechanisms of occurrence. This case serves to demonstrate the need for greater awareness of this rare complication as well as the need for appropriate surveillance and management strategies ¹⁾.

Resolution of hemifacial spasm after successful treatment of posterior fossa arteriovenous malformation by gamma knife radiosurgery ²⁾.

A 25-year-old woman was admitted because of frequent vomiting and headache which had lasted over one week. She had initially clear consciousness but slowly progressive mild headache and dysphoria. Emergency cranial CT revealed a 4 cm haematoma in the left cerebellar hemisphere. CT angiography showed a 2x2 cm nidus of an arteriovenous malformation (AVM) in the left hemisphere fed from the left posterior inferior cerebellar artery and draining into the inferior hemispheric vein. We performed a surgical resection of the AVM after decompression therapy to counteract the brain oedema. She recovered completely without any neurological deficits. This case recalls the importance of cooperation between diagnostic neuroradiology and neurosurgery in emergency, considering AVM, even if infrequent, among possible diseases ³⁾.

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Chagoya G, Hardigan AA, Fox BM, Laskay NMB, Salehani AA, Rotman LE, Elsayed GA, Bernstock JD, Omar NB, Tabibian BE, Ilyas A, Hackney J, Fisher WS 3rd. Cerebellar arteriovenous malformation rupture despite apparent angiographic obliteration: a case report. *World Neurosurg.* 2019 Oct 17. pii: S1878-8750(19)32685-3. doi: 10.1016/j.wneu.2019.10.067. [Epub ahead of print] PubMed PMID: 31629928.

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Bayri Y, Tanrikulu B, Yener U, Şeker A, Kılıç T. Resolution of hemifacial spasm after successful treatment of posterior fossa arteriovenous malformation by gamma knife radiosurgery. *Clin Neurol Neurosurg.* 2014 Apr;119:121-4. doi: 10.1016/j.clineuro.2014.01.014. Epub 2014 Jan 27. PubMed PMID: 24635940.

³⁾

Rispoli R, Di Chirico A, Sibille M, Carletti S. A juvenile case of cerebellar arteriovenous malformation with gradual onset of dysphoria and headache. *Neuroradiol J.* 2013 Jun;26(3):333-7. Epub 2013 Jul 16. PubMed PMID: 23859292.

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