

# Posterior Fossa arteriovenous malformation embolization

[Endovascular embolization](#) can be used to reduce the lesion size before treatment in PFbAVM patients. In a study Uçkun and Dağlioğlu assessed PFbAVM patients who received initial endovascular intervention to reduce the lesion size, as well as embolization for the obliteration of lesions.

This retrospective analysis included 16 patients (7 males and 9 females) with PFbAVMs who were treated at XXXXXXX Hospital between 2010 and 2017 via surgery, endovascular techniques, or combinations of modalities. Patient demographic and clinical features, angiographic characteristics, treatment modalities, complications, and outcomes were analyzed.

Six patients with cerebellar AVMs, 2 with brainstem AVMs, and 8 with cerebellar-brainstem AVMs were included in this study. All patients were treated by endovascular embolization as initial or final treatment. Patient characteristics were assessed for all 16 patients; 7 (43.75%) presented with hemorrhage, and they were further treated by microsurgery because of residual niduses. Complete obliteration was obtained in all patients. Two patients had persistent neurological deficits. The outcome was measured with the modified Rankin scale (mRS). Serviceable outcome (mRS  $\leq$  2) was attained in 14 patients.

Successful treatment of PFbAVMs depends on an integrated team of neurosurgeons, radiosurgeons, and endovascular neurosurgeons. In PFbAVMs, endovascular embolization as adjuvant or final treatment is useful and safe <sup>1)</sup>.

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Urgent endovascular treatment of the aneurysm was effective in the series of Kouznetsov et al.. <sup>2)</sup>

## Cerebellar arteriovenous malformation embolization

### [Cerebellar arteriovenous malformation embolization](#)

<sup>1)</sup>

Uçkun Ö, Dağlioğlu E. Endovascular Therapy in Posterior Fossa Brain Arteriovenous Malformations: A Clinical Study. Turk Neurosurg. 2019 Jan 24. doi: 10.5137/1019-5149.JTN.25411-18.1. [Epub ahead of print] PubMed PMID: 30829388.

<sup>2)</sup>

Kouznetsov E, Weill A, Ghostine JS, Gentric JC, Raymond J, Roy D. Association between posterior fossa arteriovenous malformations and prenidial aneurysm rupture: potential impact on management. Neurosurg Focus. 2014 Sep;37(3):E4. doi: 10.3171/2014.6.FOCUS14219. PubMed PMID: 25175442.

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Last update: 2024/06/07 02:56

