

Fusiform vertebrobasilar aneurysm

see [Fusiform basilar artery aneurysm](#).

see [Fusiform vertebral artery aneurysm](#).

Forty-five consecutive patients were analyzed. Follow-up was available for 39 patients (86.7%) with a median duration of 28.8 months. Seventeen patients (37.7%) were asymptomatic, 14 patients (31.1%) presented with [brainstem ischemia](#), 8 patients (17.8%) with supratentorial ischemia, and 3 (6.7%) patients with [brainstem compression](#). Aneurysm rupture occurred in 3 patients upon presentation (6.7%). Initially, 19 patients (42.2%) were significantly disabled with Modified Rankin Scale (mRS) scores ≥ 3 . Twelve patients (26.7%) underwent invasive treatment: endovascular therapy in 9 cases and surgical treatment in 3 cases. Thirty-three patients received conservative treatment. During follow-up, 6 events (66.7%) of severe disability or death (mRS 4-6) occurred in the endovascular group versus 1 event (33%) in the surgical group versus 19 events (63.3%) among conservatively treated aneurysms. Deterioration was significantly more frequent in patients with symptomatic aneurysms ($p = 0.030$).

Patients harboring an FVBA frequently present with disabling symptoms caused by various pathomechanisms. The natural history is aggressive, mostly for initially symptomatic aneurysms, and periprocedural morbidity of surgical or endovascular treatment remains substantial ¹⁾.

¹⁾

Wagner A, Prothmann S, Hedderich D, Wunderlich S, Meyer B, Lehmberg J, Wostrack M. Fusiform aneurysms of the vertebrobasilar complex: a single-center series. Acta Neurochir (Wien). 2020 Apr 4. doi: 10.1007/s00701-020-04304-x. [Epub ahead of print] PubMed PMID: 32248295.

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

https://neurosurgerywiki.com/wiki/doku.php?id=fusiform_vertebrobasilar_aneurysm

Last update: **2024/06/07 02:50**

