

Posterior communicating artery aneurysm endovascular treatment



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The [endovascular technique](#) is a safe and highly efficient alternative to surgical clipping for PcomA aneurysms with [oculomotor nerve palsy](#) (ONP) ¹⁾.

For the [true posterior communicating artery aneurysm](#) it is a safe and feasible procedure but may be associated with [aneurysm recurrence](#) in midterm follow-up, requiring close surveillance and potential retreatment ²⁾.

Also in the presence of [fetal posterior communicating artery](#) using multiple strategies ³⁾.

However, patients who present with severe [SAH](#) still have an overall poor prognosis. Partial [coiling](#) of the aneurysm and the [parent artery](#) is an attractive alternative treatment for patients who may not tolerate [parent artery occlusion](#). Further study with a larger case series is necessary for validation of the durability and efficacy of this treatment ⁴⁾.

Flow diverter

see [Pipeline embolization of posterior communicating artery aneurysm](#).

References

1)

Chalouhi N, Theofanis T, Jabbour P, Dumont AS, Gonzalez LF, Starke RM, Gordon D, Rosenwasser R, Tjoumakaris S. Endovascular treatment of posterior communicating artery aneurysms with oculomotor nerve palsy: clinical outcomes and predictors of nerve recovery. *AJNR Am J Neuroradiol*. 2013 Apr;34(4):828-32. doi: 10.3174/ajnr.A3294. Epub 2012 Oct 4. Review. PubMed PMID: 23042929.

2)

Wang C, Zhao R, Chang X, Li Q, Fang Y, Hong B, Xu Y, Huang Q, Liu J. Feasibility and midterm outcomes of endovascular embolization for true posterior communicating artery aneurysms. *Neuroradiology*. 2019 Aug 10. doi: 10.1007/s00234-019-02277-y. [Epub ahead of print] PubMed PMID: 31401724.

3)

Chen Z, Niu Y, Tang J, Li L, Feng Z, Feng H, Zhu G. Endovascular treatment of posterior communicating artery aneurysms in the presence of the fetal variant of posterior cerebral artery. *Interv Neuroradiol*. 2015 Aug;21(4):456-61. doi: 10.1177/1591019915590532. Epub 2015 Jun 25. PubMed PMID: 26111986; PubMed Central PMCID: PMC4757316.

4)

Qin X, Xu F, Maimaiti Y, Zheng Y, Xu B, Leng B, Chen G. Endovascular treatment of posterior cerebral artery aneurysms: a single center's experience of 55 cases. *J Neurosurg*. 2017 Apr;126(4):1094-1105. doi: 10.3171/2016.1.JNS152447. Epub 2016 Apr 22. PubMed PMID: 27104845.

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