

Middle cerebral artery aneurysm outcome

In patients with MCA aneurysms, clinical outcomes at 1 year are similar between microsurgical clipping and endovascular therapy. However, microsurgery is associated with a lower risk of [residual aneurysms](#)^{1) 2)}.

[Random forest](#) modeling is a good tool for evaluating the rupture status of Small [middle cerebral artery aneurysm](#) and may be considered for the management of [Small intracranial aneurysms](#)³⁾.

Primary decompressive craniectomy (vs. craniotomy) for poor-grade MCA aneurysm SAH (WFNS IV/ V) with associated IPH (>30cc) has not shown to provide any survival benefit and is not associated with improved outcome⁴⁾.

1)

Guinto-Nishimura GY, Ramírez-Andrade JJ, Nathal E, Gómez-Amador JL, Barrientos-Iman DM, Luna-Arroyo A, Laredo-Gómez J, Gutierrez-Avila O, Tovar L. Treatment of middle cerebral artery aneurysms: A comparative study and proposed treatment algorithm. *Cir Cir.* 2022;90(S1):84-91. English. doi: 10.24875/CIRU.21000682. PMID: 35944112.

2)

Jin J, Guo G, Ren Y, Yang B, Wu Y, Wang S, Sun Y, Wang X, Wang Y, Zheng J. Risk Factors for Recurrence of Intracranial Aneurysm After Coil Embolization: A Meta-Analysis. *Front Neurol.* 2022 Jul 22;13:869880. doi: 10.3389/fneur.2022.869880. PMID: 35937054; PMCID: PMC9355382.

3)

Zhou J, Xia N, Li Q, Zheng K, Jia X, Wang H, Zhao B, Liu J, Yang Y, Chen Y. Predicting the rupture status of small middle cerebral artery aneurysms using random forest modeling. *Front Neurol.* 2022 Jul 28;13:921404. doi: 10.3389/fneur.2022.921404. PMID: 35968311; PMCID: PMC9366079.

4)

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