

Cognitive outcome after intracranial aneurysm treatment

see also [Cognitive outcome after aneurysmal subarachnoid hemorrhage](#)

A study suggests that [endovascular coiling](#) does not diminish [neurocognitive function](#). Patients with [unruptured intracranial aneurysms](#) in a [cohort](#) also had baseline [Montreal Cognitive Assessment \(MoCA\)](#) scores below the cut-off for mild [cognitive impairment](#) despite pre-procedure [mRS](#) and [NIHSS](#) of 0 ¹⁾.

[Intracranial Aneurysm Flow Diversion](#) may not alter [neurocognitive function](#). Larger patient samples and longer follow-ups with other tests of cognitive functions are needed to confirm these findings ²⁾.

[Intracranial aneurysm embolization](#) exerts better effects on [cognitive](#) and neurologic functions than [intracranial aneurysm clipping](#) ³⁾.

Data indicate that a single graded scale does not address all aspects of recovery after aneurysm treatment, particularly [cognitive](#) dysfunction and the patient's perception of health ⁴⁾.

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Srivatsan A, Mohanty A, Saleem Y, Srinivasan VM, Wagner K, Seeley J, Burkhardt JK, Chen SR, Johnson JN, Kan P. Cognitive outcomes after [unruptured intracranial aneurysm treatment](#) with endovascular coiling. J Neurointerv Surg. 2021 May;13(5):430-433. doi: 10.1136/neurintsurg-2020-016362. Epub 2020 Jul 22. PMID: 32699175.

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Wagner K, Srivatsan A, Mohanty A, Srinivasan VM, Saleem Y, Cherian J, James RF, Chen S, Burkhardt JK, Johnson J, Kan P. [Cognitive outcomes](#) after [unruptured intracranial aneurysm treatment with flow diversion](#). J Neurosurg. 2019 Nov 29:1-6. doi: 10.3171/2019.9.JNS191910. Epub ahead of print. PMID: 31783369.

³⁾

Gao P, Jin Z, Wang P, Zhang X. Effects of [Intracranial Interventional Embolization](#) and Intracranial [Clipping](#) on the [Cognitive](#) and Neurologic Function of Patients with [Intracranial Aneurysms](#). Arch Clin Neuropsychol. 2022 May 22:acac030. doi: 10.1093/arclin/acac030. Epub ahead of print. PMID: 35596958.

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Kim DH, Haney CL, Van Ginhoven G. Utility of outcome measures after treatment for intracranial aneurysms: a prospective trial involving 520 patients. Stroke. 2005 Apr;36(4):792-6. doi: 10.1161/01.STR.0000157594.58180.97. Epub 2005 Feb 17. PMID: 15718511.

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