

Paradoxical depression

A study identified postoperative delayed paradoxical [depression](#) following surgical repair of [unruptured intracranial aneurysms](#) in around 10% of patients, which may be comparable to mild [posttraumatic stress disorder](#) and resulted in a reduced rate of patients fully returning to their [activities of daily living](#) ¹⁾.

There are previous reports hinting towards atrophy of parts of the [limbic system](#), namely the [hippocampus](#) in patients after surgical aneurysm repair ^{2) 3) 4) 5)}.

Taking into account that recent developments in neuroimaging have made it possible to reliably study the hippocampus and its subfields in vivo ^{6) 7)}.

In a explorative study, Hedderich et al., found that history of microsurgical [clipping](#) (MC) was significantly associated with lower volumes in distinct hippocampal subfields, which may be a consequence of a more extensive treatment. This could indicate specific atrophy of cornu ammonis area 2/3 after MC and should motivate hippocampal subfield assessment in larger cohorts ⁸⁾.

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