

# Intracranial arachnoid cyst complications

Occasionally, hydrocephalus is associated due to a change in CSF circulatory dynamics.

see [Hydrocephalus associated to midline arachnoid cysts](#)

[Hygromas](#)

## Hemorrhage

Subdural hematomas, and-more rarely-intraparenchymal hemorrhage. Hemorrhagic complications of arachnoid cysts have been reported, extensively presenting with subdural or intracystic hematoma after trauma, but presentation with extradural hemorrhage is very rare.

Brain parenchyma containing an arachnoid cyst is vulnerable to trauma and increases the risk of serious hemorrhagic complications. The abnormal shape of the head should be considered as an indication for a computerized tomography scan in cases of mild head injury <sup>1)</sup>.

A case of an 18-year-old female patient who suffered an ipsilateral hemorrhagic infarction after craniotomy for open fenestration of an arachnoid cyst <sup>2)</sup>.

It is important to be aware of these complications so that patients with arachnoid cysts are appropriately investigated when presenting with neurological symptoms <sup>3)</sup>.

## Rupture

[Intracranial arachnoid cyst rupture](#)

<sup>1)</sup>

Seddighi A, Seddighi AS, Zali AR, Baqdashti HR. Presentation of a minimally symptomatic large extradural hematoma in a patient with an arachnoid cyst: a case report and review of the literature. J Med Case Rep. 2011 Dec 19;5:581. doi: 10.1186/1752-1947-5-581. PubMed PMID: 22182235; PubMed Central PMCID: PMC3339374.

<sup>2)</sup>

Auschwitz T, DeCuyper M, Khan N, Einhaus S. Hemorrhagic infarction following open fenestration of a large intracranial arachnoid cyst in a pediatric patient. J Neurosurg Pediatr. 2014 Dec 5:1-4. [Epub ahead of print] PubMed PMID: 25479577.

<sup>3)</sup>

Pascoe HM, Phal PM, King JA. Progressive post traumatic tearing of an arachnoid cyst membrane resulting in intracystic and subdural haemorrhage. J Clin Neurosci. 2015 Mar 10. pii: S0967-5868(15)00007-7. doi: 10.1016/j.jocn.2014.12.006. [Epub ahead of print] PubMed PMID: 25769260.

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