

Intracranial arachnoid cyst treatment

- [Spinal Arachnoid Cysts: A Single-Center Preliminary Surgical Experience with a Rare and Challenging Disease](#)
- [Spinal Intradural-Extramedullary Neurocysticercosis: A Case Report](#)
- [Spontaneous Intracranial Hypotension and Dural Tear in a Pediatric Patient After a Minor Fall: A Case Report](#)
- [A Comprehensive Review of Arachnoid Cysts](#)
- [Suprasellar Versus Third Ventricular Cysts: Anatomic and Surgical Considerations](#)
- [First episode psychosis associated with increased volume of an arachnoid cyst in the posterior fossa](#)
- [Decubitus Myelography for Spinal Extradural Arachnoid Cyst-Better Classified as a Lateral Dural CSF Leak?](#)
- [Adult-Onset Syringomyelia in Dandy-Walker Malformation Patients: Clinical Insights and Literature Review](#)

[Intracranial arachnoid cysts](#) with mass effect are detected frequently in asymptomatic patients. Conversely, symptomatic patients may present without imaging signs of a focal mass effect that emphasizes the difficulty of relying on imaging as the sole criteria in surgical selection.

Although it is generally accepted that asymptomatic or paucisymptomatic cysts do not require surgical treatment, there is no consensus on the therapeutic approach of choice in symptomatic cases ¹⁾.

[Acetazolamide](#) known to reduce CSF production, might mimic surgical decompression and therefore could serve as a decision-making tool in patients with ACs.

A total of 103 patients with radiographically proven ACs were initially identified. Twenty (19.4%) were symptomatic and underwent a trial of oral AZM. Data were collected meeting inclusion/exclusion criteria for this cohort study and analyzed retrospectively/prospectively. Results Overall, 17 patients were able to tolerate the AZM and had at least some subjective improvement in their symptoms during the AZM challenge and underwent surgical therapy. Surgery was beneficial in 16 patients (94.1%). Following surgery, symptoms resolved in 13 patients (76.5%) and improved in 3 (17.6%).

The AZM challenge may support the clinical decision to recommend surgery in those patients whose symptoms improve during AZM therapy ²⁾.

Intracranial arachnoid cyst surgery

see [Intracranial arachnoid cyst surgery](#).

¹⁾
Ros López B, Martín Gallego Á, Iglesias Moroño S. [Arachnoid cysts of the central nervous system.

Algorithms and recommendations for management]. Neurocirugia (Astur). 2015 Apr 7. pii: S1130-1473(15)00025-1. doi: 10.1016/j.neucir.2015.02.002. [Epub ahead of print] Spanish. PubMed PMID: 25861895.

2)

Kershenovich A, Toms SA. The Acetazolamide Challenge: A Tool for Surgical Decision Making and Predicting Surgical Outcome in Patients with Arachnoid Cysts. J Neurol Surg A Cent Eur Neurosurg. 2016 Jul 14. [Epub ahead of print] PubMed PMID: 27415592.

From:

<https://neurosurgerywiki.com/wiki/> - Neurosurgery Wiki

Permanent link:

https://neurosurgerywiki.com/wiki/doku.php?id=intracranial_arachnoid_cyst_treatment

Last update: **2024/06/07 02:58**

