

# Asymptomatic Pediatric Intracranial arachnoid cyst treatment

concluded that MRC with Gd-DTPA as a contrast agent is of significant clinical value for the diagnosis and treatment of children with intracranial ACs. This classification based on dynamic MRC is useful for making surgical recommendations <sup>1)</sup>.

advocate collaborative efforts to better understanding of the pathophysiology of paediatric ACs, particularly for deciding between the various surgical treatment modalities <sup>2)</sup>

Asymptomatic, large Surgery controversial Theorized increased hemorrhage risk of large IACs

Asymptomatic, small Observation±repeat imaging Likely no need for repeat imaging after 4 years of age because symptomatic expansion is rare <sup>3)</sup>

<sup>1)</sup>

Tan Z, Li Y, Zhu F, Zang D, Zhao C, Li C, Tong D, Zhang H, Chen Q. Children With Intracranial Arachnoid Cysts: Classification and Treatment. Medicine (Baltimore). 2015 Nov;94(44):e1749. doi: 10.1097/MD.0000000000001749. PMID: 26554773; PMCID: PMC4915874.

<sup>2)</sup>

Chan JL, Tan ALJ, Ng LP, Low DCY, Wan Tew S, Low SYY. Paediatric arachnoid cysts: Surgical outcomes from a Singapore children's hospital. J Clin Neurosci. 2021 Mar;85:122-131. doi: 10.1016/j.jocn.2020.12.030. Epub 2021 Jan 21. PMID: 33581782.

<sup>3)</sup>

Jafrani R, Raskin JS, Kaufman A, Lam S. Intracranial arachnoid cysts: Pediatric neurosurgery update. Surg Neurol Int. 2019 Feb 6;10:15. doi: 10.4103/sni.sni\_320\_18. PMID: 30815323; PMCID: PMC6383341.

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Last update: 2024/06/07 03:00

