

# Posttraumatic leptomeningeal cyst epidemiology

Posttraumatic leptomeningeal cysts are very rare, occurring in 0.05–0.6% of skull fractures<sup>1) 2)</sup>. Usually requires both a widely separated fracture AND a dural tear.

Mean age at injury: < 1 year; over 90% occur before age 3 years<sup>3)</sup> (formation may require the presence of a rapidly growing brain<sup>4)</sup>), although rare adult cases have been described<sup>5) 6) 7)</sup> (a total of 5 cases in the literature as of 1998<sup>8)</sup>).

<sup>1)</sup>

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<sup>2)</sup>

Arseni CS. Growing Skull Fractures of Children. A Particular Form of Post-Traumatic Encephalopathy. Acta Neurochir. 1966; 15:159–172

<sup>3)</sup>

Lende R, Erickson T. Growing Skull Fractures of Childhood. J Neurosurg. 1961; 18:479–489

<sup>4)</sup>

Gadoth N, Grunebaum M, Young LW. Leptomeningeal Cyst After Skull Fracture. Am J Dis Child. 1983; 137:1019–1020

<sup>5) 8)</sup>,

Britz GW, Kim DK, Mayberg MR. Traumatic leptomeningeal cyst in an adult: a case report and review of the literature. Surg Neurol. 1998 Nov;50(5):465-9. doi: 10.1016/s0090-3019(97)00233-4. PMID: 9842874.

<sup>6)</sup>

Halliday AL, Chapman PH, Heros RC. Leptomeningeal Cyst Resulting from Adulthood Trauma: Case Report. Neurosurgery. 1990; 26:150–153

<sup>7)</sup>

Iplikciglu AC, Kokes F, Bayar A, et al. Leptomeningeal Cyst. Neurosurgery. 1990; 27: 1027–1028

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