

Traumatic retroclival hematoma

Epidemiology

Traumatic [retroclival hematomas](#) are a rare entity.

Typically, they are [epidural hematomas](#) in pediatric patients.

[Subdural hematomas](#) and adult cases are sporadic. The 35 reported cases include 27 pediatric cases of epidural hematoma, 2 pediatric cases of subdural hematoma, 4 adult cases of epidural hematoma and 2 adult cases of subdural hematoma ^{1) 2) 3) 4) 5)}.

Etiology

They are usually epidural hematomas (being the [tectorial membrane](#) the anterior anatomical limit) diagnosed in children in the context of high-energy trauma, typically motor vehicle accidents. Lesion mechanism is considered to be a cervical flexion-extension injury in the pediatric spine that combines ligamentous laxity and high fulcrum movement in the craniocervical junction. In children, associated atlanto-occipital dislocation and systemic injuries have been reported in a significant number of cases, but not as a constant, sine qua non association ⁶⁾.

¹⁾ , ⁶⁾

Tubbs RS, Griessenauer CJ, Hankinson T, Rozzelle C, Wellons JC, Blount JP et al. Retroclival epidural hematomas: a clinical series. Neurosurgery 2010; 67: 404-406.

²⁾

Oliviero A, Insola A, Santilli V, Tartaglione T, Profice P, Tonali P et al. Concomitant posttraumatic cranio-cervical junction epidural hematoma and pontomedullary junction infarction: clinical, neurophysiologic, and neuroradiologic features. Spine (Phila Pa 1976) 2000; 25: 888-890.

³⁾

Ratilal B, Castanho P, Vara Luiz C, Oliveira Antunes J. Traumatic clivus epidural hematoma: case report and review of the literature. Surg Neurol 2006; 66: 200-202.

⁴⁾

Khan N, Zumstein B. Transverse clivus fracture: case presentation and significance of clinico-anatomic correlations. Surg Neurol 2000; 54: 171-177.

⁵⁾

Fuentes S, Bouillot P, Dufour H, Grisoli F. [Occipital condyle fractures and clivus epidural hematoma. Case report] [Article in French]. Neurochirurgie 2000; 46: 563-567.

From:

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

Permanent link:

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

Last update: **2024/06/07 02:55**

