

Posterior Fossa Surgery Complications

Posterior fossa epidural hematoma

Postoperative uncontrolled bleeding from the dural venous sinus can sometimes cause an insidious-onset or delayed posterior fossa EDH ¹⁾.

Lateral sinus thrombosis

Incidental radiological [lateral sinus thrombosis](#) following [posterior fossa surgery](#) has an incidence of 6.7%. To further define the benefit-to-risk ratio of a treatment-dose [anticoagulant therapy](#), a prospective trial should be considered ²⁾.

Intracerebral hemorrhage

[Intracerebral hemorrhages](#) after interventions of the [posterior fossa](#) is a very rare complication, with very little literature and its precise incidence is unknown (range of 0.4-1.6%).

The principal measures in the management of these cases include early diagnosis, detection of possible coagulation disorders, continual monitoring, and maintenance of adequate cerebral perfusion. Surgical treatment is recommended in cases of the presence of mass effect or diffuse edema not yielding to clinical treatment. High rates of mortality and morbidity are observed ³⁾.

Supratentorial Epidural Hematoma

see [Supratentorial Epidural Hematoma after Posterior Fossa Surgery](#).

¹⁾

Lee S, Park SK, Joo BE, Lee JA, Kong DS, Park K. The pathogenesis of delayed epidural hematoma after posterior fossa surgery. J Clin Neurosci. 2018 Jan;47:223-227. doi: 10.1016/j.jocn.2017.10.006. Epub 2017 Oct 14. PubMed PMID: 29037935.

²⁾

Apra C, Kotbi O, Turc G, Corns R, Pagès M, Souillard-Scémama R, Dezamis E, Parraga E, Meder JF, Sauvageon X, Devaux B, Oppenheim C, Pallud J. Presentation and management of lateral sinus thrombosis following posterior fossa surgery. J Neurosurg. 2016 Feb 26:1-9. [Epub ahead of print] PubMed PMID: 26918475.

³⁾

de Albuquerque LA, Dourado JC, Almeida JP, Costa BS. Multiple supratentorial intraparenchymal hemorrhage after posterior fossa surgery. Surg Neurol Int. 2015 Mar 19;6(Suppl 2):S104-9. doi: 10.4103/2152-7806.153649. eCollection 2015. PubMed PMID: 25883853; PubMed Central PMCID: PMC4392548.

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