

Thrombin gelatin Hemostatic Matrix

Baro et al. report the preliminary [experience](#) concerning the use of [thrombin gelatin hemostatic matrix](#) to strengthen the final [hemostasis](#) after [posterior fossa low grade tumor surgery](#) in [children](#). This is the first [report](#) regarding the use of [hemostatic matrix](#) in [pediatric neurosurgery](#).

Between 2012 and 2016, twenty-three patients underwent posterior fossa surgery for low-grade gliomas in our department. The mean age was 6.35 years; 12 patients were female and 11 male. Histology revealed [pilocytic astrocytoma](#) in 15 cases, [ependymoma](#) in 7 cases, and [gangliocytoma](#) in 1 case. At the end of the surgery, effective [hemostasis](#) was achieved using standard methods and, in order to strengthen the final hemostasis, we used a thrombin-gelatin hemostatic matrix. In all of the cases a postoperative MRI was performed within 24 after the surgery; during [hospitalization](#) the patients underwent a clinical evaluation. Moreover, blood samples were taken to evaluate inflammatory parameters, hemoglobin, and sodium, and kidney and liver tests were performed according to the standard protocol.

The postoperative MRI did not show any complications imputable to the matrix. During radiological and clinical follow-up none of the patients showed any delayed complications related to the matrix.

They found thrombin-gelatin hemostatic matrix [sealant](#) to be a valid and safe tool for strengthening hemostasis in pediatric low-grade posterior fossa surgery ¹⁾.

¹⁾

Baro V, Denaro L, d'Avella D. Securing Hemostasis in Pediatric Low-Grade Posterior Cerebral Fossa Tumors: The Value of Thrombin-Gelatin Hemostatic Matrix. *Pediatr Neurosurg*. 2018 Aug 21:1-7. doi: 10.1159/000491824. [Epub ahead of print] PubMed PMID: 30130801.

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Last update: **2024/06/07 02:48**

