

## ABSTRACT

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Intraoperative Diagnosis for Pediatric Brain Tumors.

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Central nervous system (CNS) tumors are now the most common type of solid tumor in individuals aged 0-19 years, with an incidence rate in the United States around 5 per 100,000, accounting for about 1 out of 4 childhood cancers. Pediatric pathologists encounter brain tumor cases with varying frequency, but many of these encounters begin in the context of intraoperative consultation or "frozen section." This review provides an overview of the technical aspects of intraoperative consultation specific to, or more helpful in, CNS tumors, emphasizing helpful cytologic and histologic features of the more commonly encountered pediatric CNS tumors, and illustrating some common diagnostic pitfalls and how these may be avoided.

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