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# Histopathologic and Molecular Features of Central Nervous System Embryonal Tumors for Integrated Diagnosis Reporting

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## Abstract

Embryonal tumors of the pediatric central nervous system are challenging clinically and diagnostically. These tumors are aggressive, and patients often have poor outcomes even with intense therapy. Proper tumor classification is essential to patient care, and this process has undergone significant changes with the World Health Organization recommending histopathologic and molecular features be integrated in diagnostic reporting. This has especially impacted the workup of embryonal tumors because molecular testing has resulted in the identification of clinically relevant tumor subgroups and new entities. This review summarizes recent developments and provides a framework to workup embryonal tumors in diagnostic practice.

**Keywords:** Atypical teratoid rhabdoid tumor; CNS embryonal tumor; Embryonal tumor with multilayered rosettes; Integrated diagnosis; Medulloblastoma; Molecular testing; Subgroup.

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