Special Issue

Current Concept and Management of Pediatric ATRTs

Message from the Guest Editors

Atypical teratoid rhabdoid tumors (ATRTs) are one of the CNS tumors that affect primarily infants and young children. They are fast-growing, invasive tumors with a high propensity of CSF disseminations. ATRTs present with a high case mortality following current treatment moderlities. Based on genetic and DNA methylation status and transcriptome profiles, ATRTs are further divided into three distinct molecular subgroups: ATRT-SHH, ATRT-TYR, and ATRT-MYC. This Special Issue will highlight recent advances in the biological understanding and clinical management of ATRT, deriving from preclinical, translational and/or clinical investigations. The results of innovative diagnostic modalities (molecular and imaging) will be included. The descriptions of results of case series or multi-center group studies are encouraged for a better understanding of the clinical behavior of these tumors. Reports of advanced surgical techniques for resection and also adjuvant therapy including novel molecular-targeted therapy and/or immunotherapy are welcome.

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Message from the Editor-in-Chief

Cancers (ISSN 2072-6694) is an international, online journal addressing both clinical and basic science issues related to cancer research. The journal will continue its open access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

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