

Special Issue

Neuroimaging of Adult-Type Diffuse Gliomas

Message from the Guest Editor

In the 2021 revision of the WHO classification, adult-type diffuse glioma was categorized according to IDH status and the presence or absence of 1p/19q co-deletion into three types: astrocytoma, IDH-mutant; oligodendroglioma, IDH-mutant and 1p/19q-codeleted; and glioblastoma, IDH-wildtype. Compared with the former two entities, the latter—IDH-wild—remains incurable despite multimodal treatment, and long-term survival outcomes are poor. Notably, there are cases in which tumors lacking contrast enhancement on MRI are nonetheless molecularly diagnosed as IDH-wildtype. If early therapeutic intervention can be initiated based on imaging approaches capable of identifying IDH-wildtype status even at the non-contrast stage, improved prognostic outcomes may be achievable. Consequently, imaging research related to the molecular diagnosis of glioma is of substantial clinical importance. In this Special Issue, we seek the latest findings in imaging-based diagnosis relevant to the molecular classification of adult-type diffuse gliomas, as well as studies that propose future research directions in this field.

Guest Editor

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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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