



Perioperative Imaging and Mapping Methods in Glioma Patients

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Message from the Guest Editors

Dear Colleagues,

This Special Issue will cover state-of-the-art and future developments in perioperative functional mapping and imaging in glioma patients. The last decade has seen significant, yet still subtle, progress in the treatment of patients harbouring gliomas. In addition to new forms of adjuvant therapies, literature on the beneficial effects of surgical resection has accumulated for all types of intrinsic brain tumor. Maximum safe resection as a mainstay of treatment has thus become the common consensus for the majority of peers involved in brain cancer treatment. Developments in the mapping and monitoring of brain function and imaging of gliomas beyond the pure morphology have allowed safe and maximum resection of gliomas, a process that was formerly considered inoperable. Non-invasive functional mapping by, for example, navigated transcranial magnetic stimulation helps to stratify risks and modify surgical strategies beforehand. Beyond the routine application of motor and language mapping, including tracts, higher cortical functions will be included in the near future.





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Message from the Editor-in-Chief

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