



Modern Image-Guided Surgical Strategies in Neurosurgical Oncology

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Message from the Guest Editors

The scope of this Special Issue is to summarize the state of the art of modern preoperative, intraoperative, and postoperative neuroimaging techniques used in neuro-oncology to improve the surgical treatment and outcome of patients affected by brain tumors. The aim is to enhance knowledge of modern image-guided strategies in neurosurgical oncology, thus providing new insights into novel multidisciplinary image-guided approaches, ranging from strategies based on advanced preoperative functional imaging and planning, to modern approaches based on the intraoperative implementation of advanced neuroimaging-based technologies to improve the visualization of neoplastic tissue, the identification of eloquent neurovascular structures, and the assessment of the tumor extent of resection.





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