

Special Issue

The Latest Perspectives on Brain Tumor Surgery and Cognitive Rehabilitation

Message from the Guest Editors

The surgical treatment of brain tumors, in particular low- and high-grade gliomas, still poses significant challenges in neurosurgery and in neuropsychology, and is one of the main medical fields that combines competences between these two disciplines. Advances in surgical techniques have improved survival rates, but the impact on cognitive functions remains a major concern for these patients. Cognitive impairments following brain tumor surgery can severely affect quality of life, necessitating innovative approaches for the selection of treatment and rehabilitation strategies.

The aim of this Special Issue is to provide an updated overview of the latest research and clinical practices in the fields of brain tumor surgery (e.g., selection, assessment, technical advancements, treatment) and cognitive rehabilitation. It seeks to explore the intersection of surgical innovation, neuroplasticity, intra-operative cognitive monitoring, and cognitive recovery, offering insights into new techniques, therapies, and strategies aimed to optimize the outcomes.

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

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