

Special Issue

Recent Advancements in the Surgical Treatment of Brain Tumors—2nd Edition

Message from the Guest Editors

Despite major advances in adjuvant therapies such as radiotherapy, chemotherapy, and targeted treatments, surgical resection remains a cornerstone in the management of brain tumors, both primary and metastatic. The ultimate surgical goal is to maximize the extent of tumor removal while preserving neurological function and quality of life. In this regard, the last decade has witnessed remarkable innovations in preoperative planning, intraoperative visualization, and functional preservation strategies. Recent developments in advanced neuroimaging, functional mapping, intraoperative navigation, fluorescence-guided surgery, and minimally invasive or endoscopic approaches have significantly improved surgical precision and patient outcomes. Furthermore, the integration of artificial intelligence, augmented reality, and intraoperative molecular diagnostics is opening new horizons for personalized neurosurgical care. This Special Issue aims to provide a comprehensive and up-to-date overview of the rapidly evolving surgical treatment landscape for brain tumors, bridging innovation with clinical practice.

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Deadline for manuscript submissions

30 June 2026



Current Oncology

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 4.9
Indexed in PubMed



mdpi.com/si/251809

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Message from the Editor-in-Chief

I am honored and enthusiastic to serve as Editor-in-Chief of *Current Oncology*. Since its establishment in 1994, *Current Oncology* has been playing an important role in the advancement of cancer care by disseminating new knowledge in the cancer care continuum. *Current Oncology* is affiliated with several key cancer societies and provides a global platform to share scientific progress in oncology. We strive for high standards and work together to maintain a rigorous and unbiased peer review process to publish high-quality articles. We have an outstanding editorial team which is committed to the success of *Current Oncology*.

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