Special Issue

Applications of Imaging Techniques in Neurosurgery

Message from the Guest Editors

Improvements have been brought about in the prognosis of patients undergoing neurosurgical procedures via refinements in technical/technological adjuncts and a better understanding of normal and pathological anatomy due to a more sophisticated depiction of the diseased brain and structures. As such, sound knowledge and familiarity with imaging representations of the central nervous system are vital not only for neuroradiologists from a diagnostic point of view but also for neurosurgeons: treatment decisions, surgical planning, risk, and prognosis estimation require surgeons to be independent evaluators of the results provided by imaging techniques. Sophisticated pre-, intra-, and post-operative techniques have become vital tools of a neurosurgeon's toolbox. In this Issue, we will welcome contributions investigating all these aspects in different fields of neurosurgery. Keywords:

- neurosurgery
- imaging
- machine learning
- augmented reality
- surgical planning
- segmentation
- decision making

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2025)

Cancers

About the Journal

Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in 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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