Special Issue

Novel Techniques and Technology for Treatment of Brain Tumors

Message from the Guest Editor

Advances in molecular biology, virtual reality, optical imaging, and intraoperative techniques have revolutionized the treatment of brain tumors. This Special Issue will describe a number of these technologies, including selective mitochondrial chemotherapy for glioblastoma and the oncomagnetic treatment of cancer with high-frequency alternating magnetic fields. The use of oncolytic viruses and gene-mediated cytotoxic immunotherapy for brain-tumor treatment will be discussed, including the use of polio virus and various adenoviruses. The status of stem-cell therapy for brain tumors will be presented. Operative advances including awake craniotomy with brain mapping, the use of three-dimensional virtual reality, nuances in endoscopic skull base surgery, and robotic neurosurgical techniques will be described.

Guest Editor

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Deadline for manuscript submissions

closed (20 October 2022)

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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.

Editor-in-Chief

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