



Treatment of Glioblastoma: Current Challenges and Future Prospects

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Message from the Guest Editor

Glioblastoma (GBM) is the most common primary malignant brain tumor. The current standard of care treatment for GBM includes maximal safe surgical resection with neuromonitoring followed by concurrent chemoradiation therapy and maintenance chemotherapy with temozolomide. Recently, novel therapeutic approaches such as immunotherapy and electric field therapy have been introduced.

Once tumors progress after first-line therapy, treatment options are limited and the management of recurrent glioblastoma remains challenging. In recent years, new treatments have been tested on recurrent glioblastoma patients. These include immunotherapy, antiangiogenic treatment, targeted therapy and combination regimens.

Local therapy with re-surgery or re-irradiation and traditional systemic therapy with nitrosoureas and temozolomide showed limited efficacy. In particular, molecular targeted therapy could show efficacy in selected patients with specific gene mutations.

This Special Issue is aiming to collect original articles and reviews related to diagnostic, therapeutic and experimental models in primary and recurrent GBM.





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