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Stem Cells for Treating Glioblastoma: How Close to Reality?

[James D.](#), [Cavenee W.](#)

Executive Editor, Society of Neuro-Oncology.

It is widely acknowledged that the incurable nature of glioblastoma (GBM) is primarily attributable to the infiltrative growth of the cancer. This makes complete surgical resection at best unlikely and necessitates that adjunctive therapies must eradicate all residual tumor cells in the brains of affected patients to prevent tumor recurrence. Moreover, this should ideally be accomplished while causing as little damage to the normal brain as possible. The history of translational research toward this end now spans more than 50 years, with only incremental improvements extending glioblastoma patients lives.

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