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# Herpes Simplex Oncolytic Viral Therapy for Malignant Glioma and Mechanisms of Delivery

Nicholas J Erickson <sup>1</sup>, Mihaela Stavarache <sup>2</sup>, Tekedereli Ibrahim <sup>1</sup>, Michael G Kaplitt <sup>2</sup>, James M Markert <sup>1</sup>

Affiliations

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## Abstract

The authors present a comprehensive review on the history and development of oncolytic herpes simplex viral therapies for malignant glioma with a focus on mechanisms of delivery in prior and ongoing clinical trials. This review highlights the advancements made with regard to delivering these therapies to a highly complex immunologic environment in the setting of the blood brain and blood tumor barrier in a safe and effective manner.

**Keywords:** Magnetic resonance-guided focused ultrasound; Malignant glioma; oncolytic viral therapy.

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