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Mesenchymal stem cells as therapeutic agents and in gene delivery for the treatment of glioma

**Key words: Cancer, Glioma, Mesenchymal stem cells, Stem cells,
Therapy**

Research Summary

This review mainly focused on the function of MSCs in the therapy of glioma. The key roles they played in the following aspects:

- **Migration: tumor-tropic**
- **Direct effects of on glioma**
- **Delivery of therapeutic genes**
- **Delivery of viruses**
- **Delivery of miRNA**

Innovation points

- Introduction of characteristics and tropism of MSC

- Summary the directly effect of MSC on gliomas by Paracrine effect.

- Emphasis MSC could inhibit the development of glioma by delivery of therapeutic genes, viruses and miRNA.

