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# Survival in elderly glioblastoma patients: The often overlooked role of radiotherapy and chemotherapy

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## Highlights

- Performance Status (PS) Alone is Not a Reliable Prognostic Factor.
- Conventional Fractionation Offers Superior Survival Compared to HFRT.
- Critical Role of Temozolomide in Improving Survival Outcomes.
- Future Research Should Refine GBM Treatment Strategies.

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## Section snippets

### Declaration of competing interest

The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper. ...

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## References (11)

N.D. Almeida

[Evaluating the impact of performance status in elderly patients with glioblastoma](#)

J Clin Neurosci (2025)

S. Prasad *et al.*

[Integrative data analysis of MGMT methylation and IDH1 mutation in glioblastoma: A comprehensive review](#)

R.A. Pohan

[Letter to the editor: Comment on ‘Global neurotrauma: A systematic review and summary of the current state of registries around the world,](#)

J Clin Neurosci (2025)

V. Panet-Raymond

[Accelerated hypofractionated intensity-modulated radiotherapy with concurrent and adjuvant temozolomide for patients with glioblastoma multiforme: a Safety and efficacy analysis](#)

Internat J Radiat Oncol Biol Phys (2009)

A. Lerner

[Gliomas in adults: Guidance on investigations, diagnosis, treatment and surveillance](#)

Clin Med (2024)

There are more references available in the full text version of this article.

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## Cited by (0)

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