

عنوان مقاله:

Concurrent Hypofractionated Three-dimensional Re-irradiation and Temozolomide in Recurrent Malignant Glioma

محل انتشار:

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خلاصه مقاله:

Background: This study determines the efficacy and tolerability of hypofractionated three-dimensional conformal radiotherapy in conjunction with daily temozolomide in treatment of previously irradiated recurrent malignant glioma. **Methods:** We enrolled ۲۱ patients diagnosed with recurrent or progressive malignant glioma who previously underwent external beam irradiation. All patients had hypofractionated three-dimensional conformal radiotherapy to a total dose of ۳۰ Gy in six fractions, over a two-week period, concurrent with daily temozolomide (۷۵ mg/m^۲). **Results:** At the median follow up of ۹.۵ months (range: ۲.۵-۴۲), there were ۱۸ (۸۶%) patients who had died. Median overall survival from the onset of hypofractionated three-dimensional conformal radiotherapy was nine months and median time to progression was five months. There was no detectable severe toxicity. Salvage surgery prior to hypofractionated three-dimensional conformal radiotherapy and planning target volume significantly influenced patient outcome according to multivariate analysis. **Conclusion:** Hypofractionated conformal re-irradiation concurrent with daily temozolomide is a feasible, well-tolerated treatment for recurrent malignant glioma. Patients with surgical re-resection and smaller planning target volumes have the most favorable outcomes.

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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