

## PubMed

U.S. National Library of Medicine  
National Institutes of Health



Display Settings:  Abstract

Cancer Radiother. 2010 Aug 24. [Epub ahead of print]

### [Reirradiation in primary or secondary brain tumors.]

[Article in French]

Noël G, Mazon JJ.

Département de radiothérapie, centre de lutte contre le cancer Paul-Strauss, 3, rue de la Porte-de-l'Hôpital, BP 42, 67065 Strasbourg cedex, France.

#### Abstract

The purpose of this review was to analyze data available on reirradiation for high-grade glioma or brain metastasis. This reirradiation can be 3D conformal or stereotactic. There are no randomized trials. No definitive recommendations can be given but solutions can be proposed. In high-grade gliomas, results of 3D conformal irradiation are fair. Stereotactic irradiation produces more encouraging survival rates but the range of doses delivered is too large for allowing recommendations. However, fractions less than 5Gy seem better tolerated. In brain metastases, total brain irradiation seems useful if metastases are multiple and the patient in good condition. With radiosurgery, local control rates are high and survival encouraging. In a retrospective study, bifractionated irradiation looked interesting when compared to radiosurgery. Overall prospective trials seem to be necessary.

PMID: 20797888 [PubMed - as supplied by publisher]

[LinkOut - more resources](#)