

PubMed

Search

Display Settings: Abstract

BMC Cancer. 2007 Aug 30;7:167.

Radiotherapeutic alternatives for previously irradiated recurrent gliomas.

Combs SE, Debus J, Schulz-Ertner D.

University Hospital of Heidelberg, Department of Radiation Oncology, Im Neuenheimer Feld 400, 69120 Heidelberg, German.
stephanie.combs@med.uni-heidelberg.de

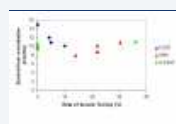
Abstract

Re-irradiation for recurrent gliomas has been discussed controversially in the past. This was mainly due to only marginal palliation while being associated with a high risk for side effects using conventional radiotherapy. With modern high-precision radiotherapy re-irradiation has become a more wide-spread, effective and well-tolerated treatment option. Besides external beam radiotherapy, a number of invasive and/or intraoperative radiation techniques have been evaluated in patients with recurrent gliomas. The present article is a review on the available methods in radiation oncology and summarizes results with respect to outcome and side effects in comparison to clinical results after neurosurgical resection or different chemotherapeutic approaches.

PMID: **17760992** [PubMed - indexed for MEDLINE] PMCID: PMC2212655 **Free PMC Article**

Images from this publication. [See all images \(1\)](#) [Free](#)

[text](#)



[+](#) **Publication Types, MeSH Terms, Substances**

[+](#) **LinkOut - more resources**