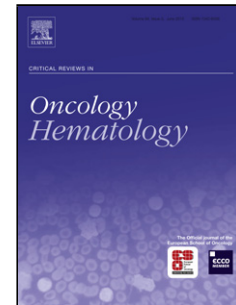


Accepted Manuscript

Title: Re-irradiation as salvage treatment in recurrent glioblastoma: a comprehensive literature review to provide practical answers to frequently asked questions

Authors: Silvia Scoccianti, Giulio Francolini, Giulio Alberto Carta, Daniela Greto, Beatrice Detti, Gabriele Simontacchi, Luca Visani, Muhammed Baki, Linda Poggesi, Pierluigi Bonomo, Monica Mangoni, Isacco Desideri, Stefania Pallotta, Lorenzo Livi



PII: S1040-8428(17)30243-3
DOI: <https://doi.org/10.1016/j.critrevonc.2018.03.024>
Reference: ONCH 2538

To appear in: *Critical Reviews in Oncology/Hematology*

Received date: 4-6-2017
Revised date: 11-2-2018
Accepted date: 28-3-2018

Please cite this article as: Scoccianti S, Francolini G, Carta GA, Greto D, Detti B, Simontacchi G, Visani L, Baki M, Poggesi L, Bonomo P, Mangoni M, Desideri I, Pallotta S, Livi L, Re-irradiation as salvage treatment in recurrent glioblastoma: a comprehensive literature review to provide practical answers to frequently asked questions, *Critical Reviews in Oncology / Hematology* (2018), <https://doi.org/10.1016/j.critrevonc.2018.03.024>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Title: Re-irradiation as salvage treatment in recurrent glioblastoma: a comprehensive literature review to provide practical answers to frequently asked questions.

Authors: Silvia Scoccianti ¹, Giulio Francolini ¹, Giulio Alberto Carta¹, Daniela Greto¹, Beatrice Detti ¹, Gabriele Simontacchi ¹, Luca Visani ¹, Muhammed Baki ¹, Linda Poggesi ¹, Pierluigi Bonomo ¹, Monica Mangoni ¹, Isacco Desideri ¹, Stefania Pallotta ², and Lorenzo Livi ¹

Affiliation:

¹Radiation Oncology Unit,

²Medical Physics Unit,

Azienda Ospedaliera Universitaria Careggi, University of Florence,
Florence, Italy

Corresponding Author:

Silvia Scoccianti, MD, Radiation Oncology Unit,

Azienda Ospedaliera Universitaria Careggi, University of Florence,

Largo Brambilla 3,

50134 Florence, Italy

Tel (+39) 055 7947264; Fax: (+39) 055 7949080

E-mail: silvia.scoccianti@unifi.it

Highlights:

- Literature on reirradiation options for glioblastoma was comprehensively reviewed
- Existing data on the efficacy and toxicity of various schedules have been reviewed
- Both exclusive and concurrent approach were explored
- Recommendations for dose prescription and fractionation were provided
- Practical suggestions about patient selection and radiotherapy planning were given

Abstract:

The primary aim of this review is to provide practical recommendations in terms of fractionation, dose, constraints and selection criteria to be used in the daily clinical routine.

Based on the analysis of the literature reviewed, in order to keep the risk of severe side effects <3,5%, patients should be stratified according to the target volume. Thus, patients should be treated with different fractionation and total EQD2 (<12,5 ml: EQD2 <65 Gy with radiosurgery; >12,5 ml and <35 ml: EQD2

Download English Version:

<https://daneshyari.com/en/article/8733610>

Download Persian Version:

<https://daneshyari.com/article/8733610>

[Daneshyari.com](https://daneshyari.com)