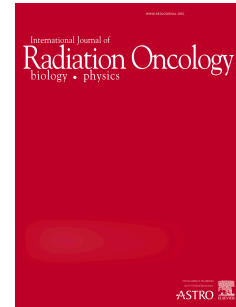


Accepted Manuscript

Evaluation of Glioblastoma (GBM) Response to Therapy with Chemical Exchange Saturation Transfer (CEST)

Hatef Mehrabian, Sten Myrehaug, Hany Soliman, Arjun Sahgal, Greg J. Stanisz



PII: S0360-3016(18)30608-4

DOI: [10.1016/j.ijrobp.2018.03.057](https://doi.org/10.1016/j.ijrobp.2018.03.057)

Reference: ROB 24902

To appear in: *International Journal of Radiation Oncology • Biology • Physics*

Received Date: 20 November 2017

Revised Date: 2 March 2018

Accepted Date: 27 March 2018

Please cite this article as: Mehrabian H, Myrehaug S, Soliman H, Sahgal A, Stanisz GJ, Evaluation of Glioblastoma (GBM) Response to Therapy with Chemical Exchange Saturation Transfer (CEST), *International Journal of Radiation Oncology • Biology • Physics* (2018), doi: 10.1016/j.ijrobp.2018.03.057.

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.

Evaluation of Glioblastoma (GBM) Response to Therapy with Chemical Exchange Saturation Transfer (CEST)

Authors:

Hatef Mehrabian ^{*1,2}, Sten Myrehaug ^{3,4}, Hany Soliman ^{3,4}, Arjun Sahgal ^{2,3,4}, Greg J. Stanisz ^{1,2,5}

Affiliations:

¹Medical Biophysics, University of Toronto, Toronto, Ontario, Canada,

²Physical Sciences, Sunnybrook Research Institute, Toronto, Ontario, Canada

³Radiation Oncology, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada

⁴Department of Radiation Oncology, University of Toronto, Toronto, Ontario, Canada

⁵Department of Neurosurgery and Pediatric Neurosurgery, Medical University, Lublin, Poland

Running Title: CEST in evaluation of GBM Response to Therapy

Corresponding Author: Hatef Mehrabian, PhD

Postdoctoral Scholar,

Currently at: Radiology and Biomedical Imaging,

University of California, San Francisco (UCSF)

1700 – 4th St., Suite BH 201, San Francisco, CA, USA 94158

E-mail: hatef.mehrabian@sunnybrook.ca,

Tel: +1-415-514-4025,

Acknowledgments: This study was funded by Terry Fox Research Institute (TFRI project 1034), Canadian Cancer Society Research Institute (CCSRI 701640) and Brain Canada grant (CCSRI 705083).

Download English Version:

<https://daneshyari.com/en/article/8210779>

Download Persian Version:

<https://daneshyari.com/article/8210779>

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