

Accepted Manuscript

Acridine Orange as a Novel Photosensitizer for Photodynamic Therapy in Glioblastoma

Hany Osman, MD, Deena Elsahy, BS, M. Reza Saadatzadeh, PhD, Karen E. Pollok, PhD, Steven Yocom, DO, Eyas Hattab, MD, Joseph Georges, DO, PhD, Aaron A. Cohen-Gadol, MD, MSc, MBA

PII: S1878-8750(18)30699-5

DOI: [10.1016/j.wneu.2018.03.207](https://doi.org/10.1016/j.wneu.2018.03.207)

Reference: WNEU 7819

To appear in: *World Neurosurgery*

Received Date: 5 February 2018

Revised Date: 28 March 2018

Accepted Date: 29 March 2018

Please cite this article as: Osman H, Elsahy D, Saadatzadeh MR, Pollok KE, Yocom S, Hattab E, Georges J, Cohen-Gadol AA, Acridine Orange as a Novel Photosensitizer for Photodynamic Therapy in Glioblastoma, *World Neurosurgery* (2018), doi: 10.1016/j.wneu.2018.03.207.

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.



Acridine Orange as a Novel Photosensitizer for Photodynamic Therapy in Glioblastoma

Hany Osman, MD¹, Deena Elsahy, BS², M. Reza Saadatzadeh, PhD^{3,4,5}, Karen E. Pollok, PhD^{4,5,6}, Steven Yocom, DO⁷, Eyas Hattab, MD⁸, Joseph Georges, DO, PhD⁷, Aaron A. Cohen-Gadol, MD, MSc, MBA^{3,9}

¹ Massachusetts General Hospital and Harvard Medical School, Wellman Center for Photomedicine, Boston, Massachusetts

² Indiana University School of Medicine, Indianapolis, Indiana

³ Hematology/Oncology, Riley Hospital for Children at Indiana University Health, Indianapolis, Indiana

⁴ Herman B. Wells Center for Pediatric Research, Department of Pediatrics, Section of Pediatric, Indianapolis, Indiana

⁵ Indiana University Simon Cancer Center, Indiana University School of Medicine, Indianapolis, Indiana

⁶ Department of Pharmacology and Toxicology, Indiana University School of Medicine, Indianapolis, Indiana

⁷ Department of Neurosurgery, Philadelphia College of Osteopathic Medicine, Philadelphia, Pennsylvania

⁸ University of Louisville, Department of Pathology and Laboratory Medicine, Louisville, Kentucky

⁹ Goodman Campbell Brain and Spine and Indiana University Department of Neurological Surgery, Indianapolis, Indiana

E-mail addresses:

Hany Osman: haosman@mgh.harvard.edu

Deena Elsahy: daelsahy@iupui.edu

Karen E. Pollok: kpollok@iu.edu

Steven Yocom: Yocom-Steven@cooperhealth.edu

Eyas Hattab: eyas.hattab@louisville.edu

Joseph Georges: joseph.georges@asu.edu

Aaron A. Cohen-Gadol: acohenmd@gmail.com

Key words: In vivo; microscopy; neurosurgery; glioma; oncology

Disclosure: The authors have no conflict of interest to disclose.

Correspondence:

Aaron A. Cohen-Gadol, MD, MSc

Goodman Campbell Brain and Spine

Indiana University Department of Neurological Surgery

355 W. 16th Street, Suite #5100

Indianapolis, IN 46202

Phone: 317-362-8760 Fax: 317-924-8472

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات