

# Accepted Manuscript

Title: Adjuvant treatment of meningioma with stereotactic radiosurgery and hypofractionated stereotactic radiosurgery: Patterns of care and survival in a large, hospital database

Author: Ashley Albert, Anna Lee, Srinivasan Vijayakumar, Madhava Kanakamedala, Robert Allbright, David Schreiber

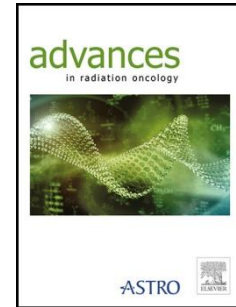
PII: S2452-1094(18)30067-8  
DOI: <https://doi.org/10.1016/j.adro.2018.04.004>  
Reference: ADRO 188

To appear in: *Advances in Radiation Oncology*

Received date: 6-3-2018  
Revised date: 13-4-2018  
Accepted date: 16-4-2018

Please cite this article as: Ashley Albert, Anna Lee, Srinivasan Vijayakumar, Madhava Kanakamedala, Robert Allbright, David Schreiber, Adjuvant treatment of meningioma with stereotactic radiosurgery and hypofractionated stereotactic radiosurgery: Patterns of care and survival in a large, hospital database, *Advances in Radiation Oncology* (2018), <https://doi.org/10.1016/j.adro.2018.04.004>.

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 PAGE**

**TITLE:** Adjuvant Treatment of Meningioma with Stereotactic Radiosurgery and Hypofractionated Stereotactic Radiosurgery: Patterns of Care and Survival in a Large, Hospital Database

**AUTHORS:** Ashley Albert, MD<sup>a</sup>, Anna Lee, MD, MPH<sup>b,c</sup>, Srinivasan Vijayakumar, MD<sup>a</sup>, Madhava Kanakamedala, MD<sup>a</sup>, Robert Allbright, MD<sup>a</sup>, David Schreiber, MD<sup>b,d</sup>

**AFFILIATIONS:** <sup>a</sup> Department of Radiation Oncology, University of Mississippi Medical Center, Jackson, Mississippi; <sup>b</sup> Department of Radiation Oncology, SUNY Downstate Medical Center, Brooklyn, New York; <sup>c</sup> Department of Veterans Affairs, New York Harbor Healthcare System, Brooklyn, New York; <sup>d</sup> Summit Medical Group at MD Anderson Cancer Center, Berkeley Heights, New Jersey

**CORRESPONDING AUTHOR:**

Anna Lee, MD, MPH  
Department of Radiation Oncology  
SUNY Downstate Medical Center  
450 Clarkson Avenue, Mail Stop #1211  
Brooklyn, NY 11203, USA  
Tel: +1-718-270-1593  
Fax: +1-718-270-1535  
Email: anna.lee@downstate.edu

**RUNNING TITLE:** Adjuvant SRS for Meningioma

**KEY WORDS:** meningioma; stereotactic radiosurgery; NCDB; adjuvant radiation

**ARTICLE TYPE:** Scientific Article

**CONFLICT OF INTEREST DISCLOSURE:** The authors do not have any actual or potential conflicts of interest.

**FINANCIAL DISCLOSURE:** This research did not receive any specific grant from funding agencies in the public, commercial, or not-for-profit sectors.

**Summary**

We analyzed patterns of care and outcomes of postoperative stereotactic radiosurgery (SRS) and hypofractionated-SRS (HF-SRS) among patients who underwent resection for meningioma. Patients with higher grade and GTR were less likely to receive SRS/HF-SRS over standard external beam radiation therapy. On multivariable Cox regression, there was a trend towards improved survival for the SRS/HF-SRS group (HR 0.24, p=0.055). When stratified by grade, the Kaplan-Meier curves were not significant between the two treatment groups (WHO grade I, p=0.117; WHO grade II, p=0.199).

Download English Version:

<https://daneshyari.com/en/article/8784804>

Download Persian Version:

<https://daneshyari.com/article/8784804>

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