

# Accepted Manuscript

Comparison of Surgeon Rating of Severity of Stenosis Using MRI, Dural Cross-Sectional Area and Functional Outcome Scores

Satyajit V. Marawar, MBBS, Nathaniel R. Ordway, MS, PE, Ian A. Madom, MD, Richard A. Tallarico, MD, Mark Palumbo, MD, Umesh Metkar, MD, Dongliang Wang, PhD, Danning Huang, MA, William F. Lavelle, MD

PII: S1878-8750(16)30776-8

DOI: [10.1016/j.wneu.2016.08.093](https://doi.org/10.1016/j.wneu.2016.08.093)

Reference: WNEU 4504

To appear in: *World Neurosurgery*

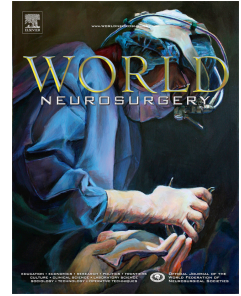
Received Date: 2 May 2016

Revised Date: 19 August 2016

Accepted Date: 20 August 2016

Please cite this article as: Marawar SV, Ordway NR, Madom IA, Tallarico RA, Palumbo M, Metkar U, Wang D, Huang D, Lavelle WF, Comparison of Surgeon Rating of Severity of Stenosis Using MRI, Dural Cross-Sectional Area and Functional Outcome Scores, *World Neurosurgery* (2016), doi: 10.1016/j.wneu.2016.08.093.

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.



## Comparison of Surgeon Rating of Severity of Stenosis Using MRI, Dural Cross-Sectional Area and Functional Outcome Scores

Satyajit V. Marawar, MBBS<sup>1</sup>; Nathaniel R. Ordway, MS, PE<sup>2</sup>; Ian A. Madom, MD<sup>3</sup>; Richard A. Tallarico, MD<sup>4</sup>; Mark Palumbo, MD<sup>5</sup>; Umesh Metkar, MD<sup>6</sup>; Dongliang Wang, PhD<sup>7</sup>; Danning Huang, MA<sup>8</sup>; William F. Lavelle, MD<sup>9</sup>

### Author Affiliations:

1. Syracuse Veterans Affairs Medical Center, 800 Irving Ave., Syracuse, NY 13210, USA; Email: satyajitm77@gmail.com
2. Department of Orthopedic Surgery, SUNY Upstate Medical University, 750 E. Adams St., Syracuse, NY, 13210, USA; Email: ordwayn@upstate.edu
3. Department of Orthopedic Surgery, SUNY Upstate Medical University, 750 E. Adams St., Syracuse, NY, 13210, USA; Email: ianmadom@gmail.com
4. Department of Orthopedic Surgery, SUNY Upstate Medical University, 750 E. Adams St., Syracuse, NY, 13210, USA; tallarir@upstate.edu
5. Division of Spine Surgery, Warren Alpert School of Medicine at Brown University, 2 Dudley Street, Suite 200, Providence, RI, 02905, USA; Email: mpalmd@aol.com
6. Carolina Pines Regional Medical Center, 700 Medical Park Drive, Hartsville, SC 29550, USA; Email: umeshmetkar@gmail.com
7. Department of Public Health and Preventive Medicine, SUNY Upstate Medical University, 750 E. Adams St., Syracuse, NY, 13210, USA; Email: wangd@upstate.edu
8. Department of Public Health and Preventive Medicine, SUNY Upstate Medical University, 750 E. Adams St., Syracuse, NY, 13210, USA; Email: huangd@upstate.edu
9. **Corresponding Author:** Department of Orthopedic Surgery, SUNY Upstate Medical University, 750 E. Adams St., Syracuse, NY, 13210, USA; Email: [lavellew@upstate.edu](mailto:lavellew@upstate.edu); Phone: 315-464-8602; Fax: 315-464-5223

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

**Key Words:** dural cross sectional area; lumbar spinal stenosis; Oswestry Disability Index (ODI); radiological grading; Visual Analog Scale (VAS); Short Form 36 (SF-36); Visual Analog Scale (VAS); Zurich claudication questionnaire

### Abbreviations:

Magnetic resonance imaging-MRI  
Oswestry Disability Index- ODI  
Visual Analog Scale- VAS  
Short Form 36- SF-36  
Body mass index- BMI

Download English Version:

<https://daneshyari.com/en/article/5635018>

Download Persian Version:

<https://daneshyari.com/article/5635018>

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