

Author's Accepted Manuscript

Real-Time Changes in Brain Activity During Sacral Neuromodulation for Overactive Bladder

Bradley C. Gill , Javier Pizarro–Berdichevsky , Pallab K. Bhattacharyya , Thaddeus S. Brink , Brian K. Marks , Adrienne Quirouet , Sandip P. Vasavada , Stephen E. Jones , Howard B. Goldman



PII: S0022-5347(17)74951-8
DOI: [10.1016/j.juro.2017.06.074](https://doi.org/10.1016/j.juro.2017.06.074)
Reference: JURO 14822

To appear in: *The Journal of Urology*
Accepted Date: 13 June 2017

Please cite this article as: Gill BC, Pizarro–Berdichevsky J, Bhattacharyya PK, Brink TS, Marks BK, Quirouet A, Vasavada SP, Jones SE, Goldman HB, Real-Time Changes in Brain Activity During Sacral Neuromodulation for Overactive Bladder, *The Journal of Urology*® (2017), doi: 10.1016/j.juro.2017.06.074.

DISCLAIMER: This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our subscribers we are providing this early version of the article. The paper will be copy edited and typeset, and proof will be reviewed 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.

Embargo Policy

All article content is under embargo until uncorrected proof of the article becomes available online.

We will provide journalists and editors with full-text copies of the articles in question prior to the embargo date so that stories can be adequately researched and written. The standard embargo time is 12:01 AM ET on that date. Questions regarding embargo should be directed to jumedia@elsevier.com.

Real-Time Changes in Brain Activity During Sacral Neuromodulation for Overactive Bladder

*Bradley C Gill MD, MS^{1,3}; *Javier Pizarro–Berdichevsky MD^{1,4,5}; *Pallab K Bhattacharyya PhD⁶;
‡Thaddeus S Brink PhD⁷; Brian K Marks MD¹; Adrienne Quirouet MD¹; Sandip P Vasavada, MD^{1,2}
^Stephen E Jones MD PhD⁶; ^Howard B Goldman MD^{1,2}

* Equal effort toward authorship.

^ Equal effort toward authorship.

‡ Technical assistance and review, but did not contribute to study design or interpretation of results.

1 – Department of Urology, Glickman Urological and Kidney Institute, Cleveland Clinic, Cleveland, OH

2 – Lerner College of Medicine, Education Institute, Cleveland Clinic, Cleveland, OH

3 – Department of Biomedical Engineering, Lerner Research Institute, Cleveland Clinic, Cleveland, OH

4 – Urogynecology Unit, Sotero del Rio Hospital, Santiago, Chile

5 – Division Obstetricia y Ginecologia, Pontificia Universidad Catolica de Chile, Santiago, Chile

6 – Department of Radiology, Imaging Institute, Cleveland Clinic, Cleveland, OH

7 – Research and Core Technology, Restorative Therapies Group, Medtronic, Inc., Minneapolis, MN

Word Count (Journal of Urology)

Abstract: 250 / 250

Manuscript: 2453 / 2500

Running head (50 Characters): Real-Time Brain Activity in Sacral Neuromodulation

Key Words Sacral Nerve Stimulation; Sacral Neuromodulation; Overactive Bladder; fMRI; Brain Activity

Corresponding Author:

Howard B. Goldman, MD

Cleveland Clinic, Department of Urology

Glickman Urological and Kidney Institute, Q10-1

9500 Euclid Ave | Cleveland, OH | 44195

E-Mail: goldmah@ccf.org

Download English Version:

<https://daneshyari.com/en/article/8771962>

Download Persian Version:

<https://daneshyari.com/article/8771962>

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