



November 2015 News

PLEASE FORWARD TO YOUR COLLEAGUES

www.wikistim.org

If you are reading this newsletter for the first time, please visit the [ABOUT](#) section on the [WIKISTIM home page](#). This section is accessible without registration.

NEW SEARCH ENGINE BEING TESTED

As much as we love Google, the relevance rules that govern Google search results are not congruent with the needs of WIKISTIM users. This has been a worry since we went live, and the attendant problem became abundantly clear when we tested the search engine by filling in the OCD indication field on appropriate papers with a simple “yes.” When this did not trigger the appearance of all of the OCD papers as the result of a search for OCD (the only papers that appeared were those with OCD in the title), we knew we had to make a change. We are now engaged in the final testing of a search engine that will not only yield the specific results we want, it will not require waiting for a third party (Google) to crawl the site. Thus, all of our additions and changes will show up immediately. We are pleased that altogether this change will give us more control over our content and make WIKISTIM even more valuable to its users.

KUDOS

Dr. Thomas Abell, our new Gastric Electrical Stimulation editor, surprised us with a generous donation in October. We thank Dr. Abell for his enthusiastic support of WIKISTIM.

Nancy Garcia, INS Public Education & Website Manager, once again highlighted WIKISTIM in the INS newsletter. We thank Ms. Garcia for being a steadfast fan of WIKISTIM.

END OF YEAR DONATION REMINDER

For your convenience, the top of the WIKISTIM [home page](#) has a [DONATE](#) button that links to our PayPal account.

ABSTRACT ACCEPTED FOR NANS

We are pleased that Dr. North will be presenting our latest WIKISTIM abstract at the 19th Annual Meeting of the North American Neuromodulation Society in Las Vegas, December 10-13, 2015.

CURRENT STATUS

Our 10 new subscribers in September increased our total to 269, with 308 people receiving this newsletter. Please continue to encourage your colleagues to read [ABOUT](#) WIKISTIM and register for access to our free resource. The [ABOUT](#) section includes descriptions of all of WIKISTIM’s unique resources that we have detailed in previous newsletters.

November 1st numbers (see appendix below for list of new citations)

- 274 subscribers (5 new)
- SCS citations 1818 (8 new)
- DBS citations 1594 (12 new)
- SNS citations 734 (8 new)
- PNS citations 26 (list remains preliminary)
- DRG citations 30
- GES citations 468 (1 new)

PLANS FOR THE FUTURE

- Secure continued funding
- Continue to make quality improvements
- Encourage people to earn CME credits by filling in datasheets
- Transform our datasheets into forms that can be completed online with the addition of check boxes where appropriate (e.g., under “Study Design”)
- Include additional sections, with VNS next in line
- Optimize performance on various platforms (screen sizes, browser types, etc.)
- Create forms for online data submission, with easy checkboxes when applicable
- Link data fields to additional information (e.g., descriptions and preferred uses of study designs and outcome criteria, authors’ CVs, etc.)
- Incorporate cutting edge data visualization graphics that will update immediately as data are extrapolated from papers and uploaded
- Offer a dynamic user experience, including the ability to save searches and customize the way the site behaves

HOW THE NEUROSTIMULATION COMMUNITY CAN HELP

- Submit extracted data from published reports of your choice, or use our datasheets as a guide when you write your paper and then submit the datasheet to us upon journal acceptance.
- Notify us about any reports we might have missed that contain primary data on SCS, SNS, DRG, PNS, GES, DBS/OCD ,DBS/Epilepsy, or reports you would like to see added for DBS/PD.
- Suggest website improvements (and thanks to those who have done this—we have incorporated your suggestions to the best of our ability).

SUPPORT

Fund-raising efforts

WIKISTIM remains free of charge, including the acquisition of CME credits, and keeping it that way remains our goal.

We continue to spend much of our time raising the \$150,000 per year we need for the continued development and support of WIKISTIM. Every minute devoted to fund-raising is time we would prefer to devote to WIKISTIM. In August, we increased the amount of time we spent consulting, even as we applied for a grant with a major device company and prepared for additional submissions. Grant support is essential because our consulting income is not sufficient to cover our budget.

When people understand the value of WIKISTIM, they are enthusiastic about what it offers now and the additional benefits it will provide as it expands in depth and scope. We have even had researchers ask about adapting the WIKISTIM model to other therapies.

If you can, please support WIKISTIM with a fully tax-deductible [donation](#) to The Neuromodulation Foundation, Inc. (a 501c(3) charitable organization). Donations of any amount are welcome and will be gratefully acknowledged. (See reminder above about donating through PAYPAL.)

If you work for a company in our field or have a relationship with an executive, please suggest that the company favorably consider grant applications from WIKISTIM.

Financial support to date for 2015 (listed alphabetically by first name):

- B. Todd Sitzman, MD, MPH
- Greatbatch
- Medtronic
- The NANS Foundation (3-year grant commitment started 2014)
- NEVRO
- Richard B. North, MD
- Thomas Abell, MD

Ongoing in-kind support:

- The International Neuromodulation Society (publicity and conference registration)
- The Neuromodulation Foundation (parent non-profit, overhead and development)
- The North American Neuromodulation Society (publicity and conference registration)

EDITORIAL BOARD

Editor-in-chief

Richard B. North, MD

Section editors

Thomas Abell, MD, Gastric Electrical Stimulation
Tracy Cameron, PhD, Peripheral Nerve Stimulation
Roger Dmochowski, MD, Sacral Nerve Stimulation
Robert Foreman, MD, PhD, Co-editor Experimental Studies
Elliot Krames, MD, Dorsal Root Ganglion Stimulation
Bengt Linderöth, MD, PhD, Co-editor Experimental Studies
Richard B. North, MD, Spinal Cord Stimulation
B. Todd Sitzman, MD, MPH, At Large
Konstantin Slavin, MD, Deep Brain Stimulation
Kristl Vonck, MD, PhD, Section on DBS for Epilepsy
To be determined, Vagus Nerve Stimulation

Managing editor

Jane Shipley

Disclosure

WIKISTIM includes citations for indications that are or might be considered off-label in the United States.

Contact

The Neuromodulation Foundation, Inc.
117 East 25th Street
Baltimore, MD 21218

wikistim@gmail.com

wikistim.org

neuromodfound.org

Appendix: Citations added November 1, 2015

SCS

1. Feierabend D, Frank S, Kalff R, Reichart R. Spinal cord stimulation for thalamic pain: case report and review of the current literature. German. Schmerz epub 2015
<http://www.ncbi.nlm.nih.gov/pubmed/26491023>
2. Provenzano DA, Deer T, Luginbuhl Phelps A, Drennen ZCp Thomson S, Hayek SM, Narouze S, Rana MV, Watson TW, Buvanendran A. An international survey to understand infection control Practices for spinal cord stimulation. Neuromodulation epub 2015
<http://www.ncbi.nlm.nih.gov/pubmed/26490243>
3. Sweet J, Badjatiya A, Tan D, Miller J. Paresthesia-free high-density spinal cord stimulation for postlaminectomy syndrome in a prescreened population: a prospective case series. Neuromodulation epub 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26481726>
4. Tan D, Tyler D, Sweet J, Miller J. Intensity modulation: a novel approach to percept control in spinal cord stimulation. Neuromodulation epub 2015
<http://www.ncbi.nlm.nih.gov/pubmed/26479774>
5. Lavrov I, Gerasimenko YP, Burdick JW, Zhong H, Roy RR, Edgerton VR. Integrating multiple sensory systems to modulate neural networks controlling posture. J Neurophysiol epub 2015
<http://www.ncbi.nlm.nih.gov/pubmed/26445868>
6. Youn Y, Smith H, Morris B, Argoff C, Pilitsis JG. The effect of high-frequency stimulation on sensory thresholds in chronic pain patients. Stereotact Funct Neurosurg 93(5):355-359 2015
<http://www.ncbi.nlm.nih.gov/pubmed/26444968>
7. Roth SG, Lange S, Haller J, De La Cruz P, Kumar V, Wilock M, Paniccioli S, Briotte M, Pilitsis JG. A prospective study of the intra- and postoperative efficacy of intraoperative neuromonitoring in spinal cord stimulation. Stereotact Funct Neurosurg 93(5):348-354 2015
<http://www.ncbi.nlm.nih.gov/pubmed/26444517>
8. Covert BP, Nobles RH. Successful spinal cord stimulator trial and permanent implant in patient with diabetic peripheral neuropathy on chronic dual antiplatelet therapy. Pain Physician 18(5):E905-E909 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26431144>
9. Guzzi G, Volpentesta G, Chirchiglia D, Della Torre A, Lavano F, Lavano A. Cervical spinal cord compression from delayed epidural scar tissue formation around plate lead for SCS. Case report and literature review. J Neurosurg Sci epub 2015
<http://www.ncbi.nlm.nih.gov/pubmed/26430719>
10. Shamji MF, Westwick HJ, Heary RF. Complications related to the use of spinal cord stimulation for managing persistent postoperative neuropathic pain after lumbar spinal surgery. Neurosurg Focus 39(4):E15 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26424339>
11. Benfield J, Maknoja A, Epstein F. Progressive paraplegia from spinal cord stimulator lead fibrotic encapsulation: a case report. Am J Phys Med Rehabil epub 2015
<http://www.ncbi.nlm.nih.gov/pubmed/26495817>

SNS

1. Singh R, El Nashar SA, Trabuco EC, Klingele CJ, Gebhart JB, Occhino JA. Comparison of short term outcomes of sacral nerve stimulation and intradetrusor injection of onabotulinumtoxinA (Botox) in women with refractory overactive bladder. Female Pelvic Med Reconstr Surg 21(6):369-373 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26506168>
2. Duelund-Jakobsen J, Lehur PA, Lundby L, Wyart V, Laurberg S, Buntzen S. Sacral nerve stimulation for faecal incontinence-efficacy confirmed from a two-centre prospectively maintained database.

- Int J Colorectal Dis epub 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26490052>
3. Tipsmark LS, Fassov J, Lundby L, Laurberg S, Ehlers L, Krogh K. Cost/effectiveness analysis of sacral nerve stimulation as treatment for severe irritable bowel syndrome. *Colorectal Dis* epub 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26466156>
 4. Bai CH, Liu H, Li SY, Peng P, Ning LN. The protective effects of sacral nerve electrostimulation on intestinal mucosal mechanical barrier in rats with spinal cord injury. *Chinese. Zhongguo Ying Yong Sheng Li Xue Za Zhi* 30(5):471-474 2014 <http://www.ncbi.nlm.nih.gov/pubmed/25571646>
 5. Wang R, Lefevre R. Management of urinary and fecal incontinence in patients with complex regional pain syndrome. *Female Pelvic Med Reconstr Surg* epub 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26516817>
 6. Roth TM. Safe simultaneous use of sacral neuromodulation and vagal nerve stimulation. *Female Pelvic Med Reconstr Surg* epub 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26516808>
 7. Engeler DS, Meyer D, Abt D, Müller S, Schmid HP. Sacral neuromodulation for the treatment of neurogenic lower urinary tract dysfunction caused by multiple sclerosis: a single-centre prospective series. *BMC Urol* 15(1):105 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26498275>
 8. Meissnitzer T, Trubel S, Posch-Zimmermann R, Meissnitzer MW. CT-guided lead placement for selective sacral neuromodulation to treat lower urinary tract dysfunctions. *AJR Am J Roentgenol* 205(5):1139-1142 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26496564>

GES

1. Singh S, McCrary J, Kedar A, Weeks S, Beauerle B, Weeks A, Endashaw O, Lahr C, Starkebaum W, Abell T. Temporary endoscopic stimulation in gastroparesis-like syndrome. *J Neurogastroenterol Motil* 21(4):520-527 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26351250>

DBS Epilepsy

1. Sun L, Peräkylä J, Polvivaara M, Öhman J, Peltola J, Lehtimäki K, Huhtala H, Hartikainen KM. Human anterior thalamic nuclei are involved in emotion-attention interaction. *Neuropsychologia* 78:88-94 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26440>

DBS PD and General

1. Sandström L, Hägglund P, Johansson L, Blomstedt P, Karlsson F. Speech intelligibility in Parkinson's disease patients with zona incerta deep brain stimulation. *Brain Behav* 5(10):e00394 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26516614>
2. Holiga Š, Mueller K, Möller HE, Urgošić D, Růžička E, Schroeter ML, Jech R. Resting-state functional magnetic resonance imaging of the subthalamic microlesion and stimulation effects in Parkinson's disease: indications of a principal role of the brainstem. *Neuroimage Clin* 9:264-274 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26509113>
3. King NO, Anderson CJ, Dorval AD. Deep brain stimulation exacerbates hypokinetic dysarthria in a rat model of Parkinson's disease. *J Neurosci Res* epub 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26498277>
4. Li B, Jiang C, Li L, Zhang J, Meng D. Automated segmentation and reconstruction of the subthalamic nucleus in Parkinson's disease patients. *Neuromodulation* epub 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26484724>
5. Soreq L, Salomonis N, Israel Z, Bergman H, Soreq H. Analyzing alternative splicing data of splice junction arrays from Parkinson patients' leukocytes before and after deep brain stimulation as compared with control donors. *Genom Data* epub 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26484282>
6. Soreq L, Salomonis N, Guffanti A, Bergman H, Israel Z, Soreq H. Whole transcriptome RNA sequencing data from blood leukocytes derived from Parkinson's disease patients prior to and following deep brain stimulation treatment. *Genom Data* 3:57-60 2014 <http://www.ncbi.nlm.nih.gov/pubmed/26484149>
7. Mirzadeh Z, Chapple K, Lambert M, Evidente VG, Mahant P, Ospina MC, Samanta J, Moguel-

Cobos G, Salins N, Lieberman A, Tröster AI, Dhall R, Ponce FA. Parkinson's disease outcomes after intraoperative CT-guided "asleep" deep brain stimulation in the globus pallidus internus. J Neurosurg 9:1-6 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26452116>

8. Rowland NC, De Hemptinne C, Swann NC, Qasim S, Miocinovic S, Ostrem JL, Knight RT, Starr PA. Task-related activity in sensorimotor cortex in Parkinson's disease and essential tremor: changes in beta and gamma bands. Front Hum Neurosci epub 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26441609>

DBS OCD

1. Luyten L, Hendrickx S, Raymaekers S, Gabriëls L, Nuttin B. Electrical stimulation in the bed nucleus of the stria terminalis alleviates severe obsessive-compulsive disorder. Mol Psychiatry epub 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26303665>
2. Varatharajan R, Joseph K, Neto SC, Hofmann UG, Moser A, Tronnier V. Electrical high frequency stimulation modulates GABAergic activity in the nucleus accumbens of freely moving rats. Neurochem Int epub 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26449310>
3. Mantione M, Nieman D, Figeo M, van den Munckhof P, Schuurman R, Denys D. Cognitive effects of deep brain stimulation in patients with obsessive-compulsive disorder. J Psychiatry Neurosci 40(6):378-386 2015 <http://www.ncbi.nlm.nih.gov/pubmed/26107159>