If you are reading this newsletter for the first time, please visit the ABOUT section on the WIKISTIM home page. This section describes WIKISTIM’s unique resources and is accessible without registration.

UPCOMING THIS MONTH!

North American Neuromodulation Society and Neural Interfaces Conference Joint Meeting

The NANS2/NIC conference will take place June 25th through 29th in our hometown, Baltimore. We will present a break-out session on “Maximizing the Value of Neural Interface Data” from 12:30 to 1:30 on the 29th. During this session, we will explain how the way something is reported predicts what will be reported and demonstrate how WIKISTIM will be a positive influence on the quality of the data that will be published as well as on the way these data are analyzed in relation to the findings of other neural interface studies. We are pleased to announce that we will be joined in this session by our friends from the FDA, who will discuss how they mined and analyzed public regulatory databases to gain insight into neurostimulation tissue damage parameters. This work is an excellent example of how the impact of existing data can be maximized to influence the design of future neural interfaces. We urge you to use the link above to access the agenda for this important meeting, which will take place at a hotel overlooking Baltimore’s beautiful inner harbor.

NEW THIS MONTH

Three things inspired us to upload citations presenting primary data on DBS and depression: 1) NANS2/NIC is devoting a plenary session to closed loop DBS for depression, 2) a subscriber used our DISCUSSION page to request addition of these citations, and 3) based on the number of citations included in systematic reviews on the subject, we thought this would be easy. We were mistaken in our last assumption: we found 91 pertinent citations and 4 others on the use of electrotherapy to treat depression. Our search underscored the facts that researchers have developed animal models of depression that they are using to elucidate the mechanisms of action of DBS for depression, that depression can be an adverse effect of DBS, that depression can be measured as one of a host of other psychological effects of DBS, and that some papers discuss the use of other therapies to treat depression in DBS patients. We entered the term “depression” as a placeholder under “Indications” in the DBS section, so 126 articles (the new ones and some we had already entered) will come up in a search.

We also made two simple adjustments that should make using the list of citations easier. We added the ability to move to the next page at the top of each page (previously this was only available at the bottom), and we lengthened the number of citations that appear in each page to 400 instead of opening with a list of only 50 and having to click to get a longer list (we like to scroll).
PLANS FOR THE NEAR FUTURE
Our next order of priority is to complete development of a form for easy online data entry (filling in datasheets for each citation listed). This form will combine check boxes and the ability to enter free text. We hope this will make using WIKISTIM more enjoyable even as it increases in value to the neurostimulation community. Creating this new method of entering data has given us an opportunity to add and rearrange data fields. This would be a good time for you to send your suggestions. We are also looking for volunteers who will beta-test the new system. Once this is up and running, we expect that more people will take advantage of this convenient and rewarding way to earn CME credits.

REMINDER: DONATIONS WELCOME
We are grateful for any donation in any amount from those who use this free resource. All donations are 100% deductible for those of you who file US income tax and itemize deductions. Our ideas for WIKISTIM enhancements continue to outstrip our financial resources. For example, we would like to create a section for VNS, optimize performance on various platforms (screen sizes, browsers, operating systems), link the 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, and offer a dynamic user experience, including the ability to save searches and customize the way the site behaves.

CURRENT STATUS
The number of WIKISTIM newsletter subscribers continues to grow (Figure 1), and we continue to enjoy an outstanding “open” rate (Figure 2). Listing our newly added citations each month has proved helpful to many subscribers (Figure 3). Please continue to encourage your colleagues to register for access to our free resource. And THANK YOU for being early adopters!

Figure 1. Our 13 new subscribers since our last newsletter increased our total users to 338 and the total who receive this newsletter to 371. We have more newsletter subscribers than WIKISTIM users because some people in a position to support WIKISTIM need to know our news but do not need to use the site themselves.
Figure 2. This newsletter has an outstanding average “open rate” of 42% of subscribers (range 32 to 50).

Figure 3. In the 7 months since we began listing newly added citations, an average of 20 recipients clicked on a link an average of 45 times. This compares with an average of 2 people clicking 8 links in the same period last year and an average of 9 people clicking 19 links in the previous 7 months.

IN A NUTSHELL
June 1st numbers (see the appendix for the list of new citations.)
• 338 subscribers (13 new)
• SCS citations 1914 (16 new)
• DBS citations 1943 (189 new: 95 depression; 1 epilepsy; 5 OCD; 84 PD; 3 general)
• SNS citations 774 (9 new)
• PNS citations 41 (1 new)
• DRG citations 36 (1 new)
• GES citations 475 (2 new)

HOW THE NEUROSTIMULATION COMMUNITY CAN HELP
• Submit extracted data from published reports of your choice, or use our datasheets as a guide when you plan your study and 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.
FINANCIAL SUPPORT FOR 2015 to 2016
(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 Linderoth, 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 June 2, 2016
DBS Depression (We added depression as a distinct indication this month.)


http://www.ncbi.nlm.nih.gov/pubmed/22378223
40. Huebl J, Brücke C, Merkl A, Bajbouj M, Schneider GH, Kühn AA. Processing of emotional stimuli is


ECT for Depression in DBS patients


DBS Epilepsy (We believe WIKISTIM offers the most comprehensive list of citations that report primary data for this DBS Epilepsy.)


DBS OCD (We believe WIKISTIM offers the most comprehensive list of citations that report primary data for DBS/OCD.)


DBS PD (We continue to add older DBS citations that we passed over in our initial list.)


43. Mahdavi R, Malakouti SK, Shahidi GA, Parvaresh-Rizi M. The effects of bilateral subthalamic nucleus stimulation on cognitive and neuropsychiatric functions in Parkinson's disease: a case-


57. Raoul S, Faighel M, Rivier I, Vérin M, Lajat Y, Damier P. Staged lesions through implanted deep


71. Tir M, Devos D, Blond S, Touzet G, Reyns N, Duhamel A, Cottencin O, Dujardin K, Cassim F, Destée


84. Zibetti M, Torre E, Cinquepalmi A, Rosso M, Ducati A, Bergamasco B, Lanotte M, Lopiano L. Motor and nonmotor symptom follow-up in parkinsonian patients after deep brain stimulation of the

DBS General

DRG (We believe WIKISTIM offers the most comprehensive list of citations that report primary data for DRG.)

GES (We believe WIKISTIM offers the most comprehensive list of citations that report primary data for GES.)

PNFS and SCS (We believe WIKISTIM offers the most comprehensive list of citations that report primary data for PNFS.)

SCS (We believe WIKISTIM offers the most comprehensive list of citations that report primary data for SCS.)
4. Dimar JR 2nd, Endriga DT, Carreon LY. Osteolysis and cervical cord compression secondary to

SNS (We believe WIKISTIM offers the most comprehensive list of citations that report primary data for SNS.)

4. Dodds PR, Dodds TJ, Jacoby TL. Bizarre paranoid delusions associated with an implanted surgical


