



July 2017 News

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THE NEUROMODULATION FOUNDATION CELEBRATES AN ANNIVERSARY

On August 1st, The Neuromodulation Foundation, Inc., WIKISTIM's parent non-profit, charitable organization will celebrate its 10th anniversary. Dr. North and I created the Foundation when we retired from Johns Hopkins University so that we could continue to conduct research, consult with the device industry (with 100% of the funds from that work supporting the Foundation's mission), and publish papers and book chapters together. We also host www.neuromodfound.org, which is home to the *Practice Parameters for the Use of Spinal Cord Stimulation in the Treatment of Chronic Neuropathic Pain*, originally published in *Pain Medicine* in 2007. We are in the process of updating the information on that site.

WIKISTIM MEMBERSHIP CONTINUES TO GROW

In the past month, we experienced the second largest one-month bump in WIKISTIM registration. We thank everyone who is helping us spread the word about WIKISTIM by sharing this email with your colleagues.

WIKISTIM CITATIONS NOW TOTAL MORE THAN 7,000

With this month's addition of more than 500 DBS articles (most of which were "catch-up" additions covering the use of DBS for dystonia and are not listed below), the total number of citations on WIKISTIM is now 7,170.

Several of the sections provide comprehensive lists of papers curated to provide only those that contain primary data. Most of the time, the inclusion of primary data is evident from the paper's abstract on PUBMED. When this is questionable, we are able to use our Johns Hopkins library privileges to access full-text versions of the articles. It is interesting that PUBMED sometimes labels articles as reviews when they, in fact, report findings. Conversely, PUBMED fails to distinguish many reviews as such.

The sections that are comprehensive are DRG, SCS, GES, and SNS. DBS is as comprehensive as we can make it for the following indications: Parkinson's Disease, dystonia, essential tremor, epilepsy, depression, and OCD. We plan to add additional indications (anorexia, addiction, Alzheimer's etc.) in the near future. The PNS section is comprehensive only for peripheral nerve field stimulation and will also soon receive our attention.

MORE OPPORTUNITIES FOR TEACHING COLLABORATION

In addition to Dr. Jiande Chen's (of Johns Hopkins) intention to assign the completion of WIKISTIM data sheets in the field of GES to his more than 50 students, which we mentioned in the June newsletter, we are also in the process of collaborating with Dr. Prasad Shirvalkar and Dr. Lawrence Poree, who are working with the North American Neuromodulation Society's Residents and Fellows Section to maintain a list of landmark neuromodulation articles and make details from these studies readily available via a mobile app. This activity dovetails nicely with WIKISTIM and our goals of hyper-abstracting data and making our website function better on a small screen. As Dr. Chen recognized, hyper-abstracting a paper for WIKISTIM is an excellent educational activity because it requires a close reading of the report and an intimate understanding of the details of the study as presented. The datasheet also offers a way to identify important data points that might be missing in the report and aspects of neurostimulation studies that beg for improvement and, dare we say, standardization (e.g., study outcomes).

WIKISTIM CONTINUES TO RECEIVE CONTENT CONTRIBUTIONS

This month, Rose Azalde of Nevro submitted completed data sheets for four publications of interest to that company. Her work will soon be uploaded into the WIKISTIM website. We thank Ms. Azalde and Nevro and urge others to also submit data sheets for articles they find important.

IMMEDIATE GOALS

Before the January 2018 NANS meeting: improve appearance of WIKISTIM on small screens.

As soon as possible: improve the wiki-abstraction data entry process.

Finish adding citations for final indications to DBS list.

LONGER-TERM GOALS

Continue building the PNS section.

Build the non-invasive brain stimulation section.

Add additional sections (e.g., VNS).

DONATIONS

Please visit the [DONATE](#) link on the WIKISTIM homepage for information on tax-deductible donations! Our goal is to keep WIKISTIM available free of charge. And please consider including The Neuromodulation Foundation, Inc. in your estate planning as Dr. Richard North has done.

JULY 2017 STATUS

- 541 subscribers
- DBS citations 3683
- DRG citations 54
- GES citations 478
- PNS citations 49
- SCS citations 2063
- SNS citations 843

CITATIONS OF NEW PAPERS THAT REPORT PRIMARY DATA ADDED JULY 2017

DBS (the WIKISTIM database is as comprehensive as we can make it for depression, epilepsy, dystonia, essential tremor, OCD, and Parkinson's—we are in the process of adding other indications)

1. Alomar S, Mullin JP, Smithason S, Gonzalez-Martinez J. Indications, technique, and safety profile of insular stereoelectroencephalography electrode implantation in medically intractable epilepsy.

- J Neurosurg epub 1-11 2017 <https://www.ncbi.nlm.nih.gov/pubmed/28621621>
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 11. Klein J, Büntjen L, Jacobi G, Galazky I, Panther P, Zaehle T, Kaufmann J, Heinze HJ, Voges J, Kupsch A. Bilateral thalamic deep brain stimulation for essential tremor in elderly patients. *J Neural Transm (Vienna)* epub 2017 <https://www.ncbi.nlm.nih.gov/pubmed/28593500>
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 13. LaHue SC, Ostrem JL, Galifianakis NB, San Luciano M, Ziman N, Wang S, Racine CA, Starr PA, Larson PS, Katz M. Parkinson's disease patient preference and experience with various methods of DBS lead placement. *Parkinsonism Relat Disord* epub 2017 <https://www.ncbi.nlm.nih.gov/pubmed/28615151>
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DRG (updating our comprehensive list)

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GES (updating our comprehensive list)

1. Wang N, Li K, Song S, Chen J. Gastric electrical stimulation improves enteric neuronal survival. *Int J Mol Med* epub 2017 <https://www.ncbi.nlm.nih.gov/pubmed/28627584>

PNS

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SCS (updating our comprehensive list)

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SNS (updating our comprehensive list)

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FINANCIAL SUPPORT TO DATE FOR 2016/17

- Boston Scientific
- B. Todd Sitzman, MD, MPH
- NEVRO
- Richard B. North, MD
- The NANS Foundation, now the Institute of Neuromodulation
- 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)

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Disclosure

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

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