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NEWSLETTER #106 AUGUST 2022

The Neuromodulation Foundation is Fifteen!

By August 2007, when Dr. North left Johns Hopkins to join another Baltimore medical center, we had been working together for a few years and wanted to continue our collaboration, so we created The Neuromodulation Foundation as a non-profit corporation in Maryland. Because the purpose of the Foundation is to contribute to efforts to improve the health and well-being of patients suffering from various debilitating neurological and medical conditions by providing education about neuromodulation and reporting the results of scientific research in the field, we were able to gain charitable organization status with the United States Internal Revenue Service so that donations to our efforts would be tax deductible.

In addition to Dr. North, who remains President of the Foundation, our board comprises Donlin M. Long, MD, PhD, a retired Hopkins neurosurgeon and a pioneer in neurostimulation; J. Peter Gaskins, a retired Harvard MBA; and B. Todd Sitzman, MD, MPH, who continues in clinical practice in Mississippi and is Past President of the North American Neuromodulation Society. I (Jane) serve as Executive Director, Secretary/Treasurer.

Highlights of our first year were completing print publication of [Spinal Cord Stimulation versus Reoperation for Failed Back Surgery Syndrome: A Cost Effectiveness and Cost Utility Analysis Based on a Randomized, Controlled Trial](#) and the [Practice Parameters for the Use of Spinal Cord Stimulation in the Treatment of Neuropathic Pain](#). We also built a [website](#) to accompany the print publication of the Practice Parameters. We are updating and expanding this project to include dorsal root ganglion and peripheral nerve stimulation as well as ischemic pain for a new publication and an extensive website entitled, *Neurostimulation Implants to Treat Chronic Pain: A Guide to Current Practice*. We will link sections of this website to dynamic search results on [wikistim.org](#) (which we launched in October 2013).

Since our inception, we have consulted on study design for all of the major device companies (e.g., [1](#)) and published letters, papers, and book chapters, notably about spinal cord stimulation (e.g., [2](#), [3](#)), cost effectiveness (e.g., A Review of Spinal Cord Stimulation Cost Studies in [4](#)), and study design (e.g., Clinical Study Designs for Neuromodulation in [4](#) and [5](#)) as well as a paper describing WIKISTIM ([6](#)) and one presenting the Glossary ([7](#)) that we refined from our 2007 website with the help of members of the International Neuromodulation Society and the Institute of Neuromodulation (part of the North American Neuromodulation Society).

We supported our activities with our consulting work and with grants from all of the major device companies as well as individual donations. We are in the process of applying for grants. If you are in a position to put in a good word for us, we would be most grateful.

WIKISTIM Quality Control and a Planned Enhancement

We continue to search for and add full-text links in the DBS section, with approximately a third of the citations remaining to be checked. After that, we will complete this task with the only outstanding section (SNS). We are, of course, adding new full-text links to all new citations added in all sections. We will make it easier to find citations with full-text links by adding a sortable column to the table that displays all of the searchable papers in each section.

Thank You to Dr. Slavin

We thank Dr. Konstantin Slavin, our DBS editor, for the generous donation he made to WIKISTIM last month.

Other News

WIKISTIM now has 1628 subscribers. Thank you for spreading the word!

Citations Added From Search on August 6, 2022 (if necessary, please click “View Entire Message”)

Whenever possible, we provide free full-text links. For journals where a full-text PDF downloads immediately when a page is opened or has a “watermark,” we link to the link rather than to the PDF.

Deep Brain Stimulation (now 7061 citations)

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3. Arnts H, Tewarie P, van Erp WS, Overbeek BU, Stam CJ, Lavrijsen JCM, Booij J, Vandertop WP, Schuurman R, Hillebrand A, van den Munckhof P. **Clinical and neurophysiological effects of central thalamic deep brain stimulation in the minimally conscious state after severe brain injury.** Sci Rep 2022 12(1):12932 [PubMed Free Full Text](#)
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10. Choi YJ, Yacoubi B, Casamento-Moran A, Delmas S, Wilkes BJ, Hess CW, Shukla AW, Foote KD, Vaillancourt DE, Okun MS, Christou EA. **Suppression of axial tremor by deep brain stimulation in patients with essential tremor: effects on gait and balance measures.** Tremor Other Hyperkinet Mov (NY) 2022 12:23 [PubMed Free Full Text](#)
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functional tremor prior to surgical treatment of essential tremor. Clin Park Relat Disord 2022 7:100149 [PubMed](#) [Free Full Text](#)

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Dorsal Root Ganglion Stimulation (still 229 citations)

Gastric Electrical Stimulation (still 518 citations)

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Spinal Cord Stimulation (now 2938 citations)

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

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We never share our registrants' personal information or email addresses.

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