



January 2021 News

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Happy New Year from Jane!

As we ring in the new year with hope in our hearts and ring out an old one we will never forget, I am grateful to all of you for your support of WIKISTIM and particularly grateful to our new donor, Dr. Kenneth Chapman; to Dr. Todd Sitzman, who has been an enthusiastic supporter of WIKISTIM from the time it was a gleam in our eyes and signals his continuing support with generous donations; and to Dr. Richard North, who has augmented his constant influx of time and attention to WIKISTIM with yet another financial donation. Thank you all for your generous contributions!

NANS 2021 Coming to us Virtually

The 24th Annual Meeting of the North American Neuromodulation Society will take place in the comfort of your homes or offices with live sessions on January 15th and 16th and on-demand viewing through April 16th. The [registration fees](#) are modest, the [speakers](#) distinguished and the [topics](#) timely. As always, attendees will have the opportunity to earn CME credits. Dr. North and Jane Shipley are pleased that two of our abstracts will be presented at this meeting: a WIKISTIM update and one on "Improving Cost-Effectiveness Models of Spinal Cord Stimulation," with our co-author, Dr. Rui Duarte.

An Additional Project for The Neuromodulation Foundation

In 2007, we published a special supplement of *Pain Medicine* that presented "Practice Parameters for the use of Spinal Cord Stimulation in the Treatment of Chronic Neuropathic Pain." The information in this [document](#), with some updates and added links to WIKISTIM.org, can be found on a [website](#) dedicated entirely to this project.

In the intervening years, the field of spinal cord stimulation has grown, not only in terms of the number of patients and clinicians but also in terms of equipment, waveforms, and even our thinking about pain/paresthesia overlap, which previously was considered a necessary but not sufficient prognostic factor for SCS success. In addition, dorsal root ganglion and peripheral nerve stimulation, which target the same primary afferents as SCS and use many of the same devices, have emerged as alternative treatments for some of the same indications.

We are pleased to report that we have received grant support from Abbott, Boston Scientific, Nevro, and Medtronic to update and expand the Practice Parameters into a more comprehensive document and supporting website entitled, "Spinal Cord Stimulation In The Treatment Of Chronic Pain: A Guide To

Current Practice.”

MEMBERSHIP

In December, the number of our subscribers grew to 1388. Thank you for helping to spread the word!

CITATIONS ADDED DECEMBER 28, 2020 (if necessary, please click “View Entire Message”)

Deep Brain Stimulation ((now 5935 citations, with 2 completed WIKISTIM abstracts))

1. Alcalá-Zermeno JL, Gregg NM, Wirrell EC, Stead M, Worrell GA, Van Gompel JJ, Lundstrom BN. Centromedian thalamic nucleus with or without anterior thalamic nucleus deep brain stimulation for epilepsy in children and adults: a retrospective case series. *Seizure* 2020 84:101-107 [PubMed](#) [Free Full Text](#)
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5. Castaño-Candamil S, Ferleger BI, Haddock A, Cooper SS, Herron J, Ko A, Chizeck HJ, Tangermann M. A pilot study on data-driven adaptive deep brain stimulation in chronically implanted essential tremor patients. *Front Hum Neurosci* 2020 14:541625 [PubMed](#) [Free Full Text](#)
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8. Cukiert A, Cukiert CM, Burattini JA, Mariani PP. Long-term seizure outcome during continuous bipolar hippocampal deep brain stimulation in patients with temporal lobe epilepsy with or without mesial temporal sclerosis: an observational, open-label study. *Epilepsia* 2020 epub [PubMed](#)
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11. Ding XF, Gao Y, Zhang H, Zhang Y, Wang SX, Zhao YQ, Wang YZ, Fan M. A novel low-cost electrode for recording the local field potential of freely moving rat's brain. *Transl Neurosci* 2020 11(1):96-104 [PubMed](#) [Free Full Text](#)
12. Elias GJB, Boutet A, Joel SE, Germann J, Gwun D, Neudorfer C, Gramer RM, Algarni M, Paramanandam V, Prasad S, Beyn ME, Horn A, Madhavan R, Ranjan M, Lozano CS, Kühn AA, Ashe

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13. Engelhardt J, Caire F, Damon-Perrière N, Guehl D, Branchard O, Auzou N, Tison F, Meissner WG, Krim E, Bannier S, Bénard A, Sitta R, Fontaine D, Hoarau X, Burbaud P, Cuny E. A phase 2 randomized trial of asleep versus awake subthalamic nucleus deep brain stimulation for Parkinson's disease. *Stereotact Funct Neurosurg* 2020 epub 1-11 [PubMed](#)
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 18. Hiremath GK. Robotic deep brain stimulation (R-DBS)-"awake" deep brain stimulation using the Neuromate robot and O-arm. *Neurol India* 2020 68(Suppl):S328-S332 [PubMed](#) [Free Full Text](#)
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 26. Lofredi R, Auernig GC, Irmen F, Nieweler J, Neumann WJ, Horn A, Schneider GH, Kühn AA. Subthalamic stimulation impairs stopping of ongoing movements. *Brain* 2020 epub awaa341 [PubMed](#)
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resistance of brain tissue during vibration-assisted needle insertion. *Med Eng Phys* 2020 86:35-40 [PubMed](#)

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Dorsal Root Ganglion Stimulation (now 152 citations, with 9 completed WIKISTIM abstracts)

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Gastric Electrical Stimulation (now 505 citations)

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Peripheral Nerve Stimulation (now 477 citations, with 6 completed WIKISTIM abstracts)

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Spinal Cord Stimulation (now 2672 citations, with 133 completed or partially completed WIKISTIM abstracts)

1. Baranidharan G, Feltbower R, Bretherton B, Crowther T, Cooper L, Castino P, Radford H. One-year

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2. Barpujari A, Erdek MA. Retrospective analysis on the effect of spinal cord stimulation on opioid consumption. *Pain Manag* 2020 epub [PubMed](#)
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Sacral Nerve Stimulation (now 1058 citations)

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Most clicked links from the December newsletter

1. Abdulbaki A, Kaufmann J, Galazky I, Buentjen L, Voges J. Neuromodulation of the subthalamic nucleus in Parkinson's disease: the effect of fiber tract stimulation on tremor control. Acta Neurochir (Wien) 2020 epub [PubMed Free Full Text](#)
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CONTACT

The Neuromodulation Foundation, Inc.

117 East 25th Street

Baltimore, MD 21218

wikistim@gmail.com