



April 2018 News

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SPRINGING FORWARD

To meet our goal of sending out this newsletter on or about the first of every month, we conducted our update a mere two weeks since the one reported in the March newsletter. This means that the citations lists are shorter this month than you might expect.

APRIL 2018 STATISTICS

Membership

Membership has grown to 671. Thank you for continuing to spread the word about WIKISTIM!

Number of citations entered in each section

- DBS 4237
- DRG 70, with 8 completed WIKISTIM abstracts
- GES 466
- PNS 52
- SCS 2156, with 128 completed or partially completed WIKISTIM abstracts
- SNS 883

CONTINUING EFFORTS

We are preparing a manuscript describing WIKISTIM and engaging in conversations with "informationists" at Hopkins' Welch Medical Library to identify an appropriate library science journal (e.g., *Biomedical Informatics*) for submission because we believe that WIKISTIM is unique and can serve as a model for other fields.

SUPPORT FOR WIKISTIM

We have submitted grant applications to several device manufacturers. If you work in industry, please put in a good word for WIKISTIM. We continue to urge those of you who use the site and can envision its future to make a donation via PAYPAL using this [DONATE](#) link or by sending a check to The Neuromodulation Foundation, 117 East 25th Street, Baltimore, MD 21218. We'd love to add your name to the list of financial supporters below!

Individual supporters

- Thomas Abell, MD
- James Brennan, MD
- The Donlin & Harriett Long Family Charitable Gift Fund
- Richard B. North, MD
- B. Todd Sitzman, MD, MPH

Industry support

- Boston Scientific
- Nevro

Nonprofit support

- The International Neuromodulation Society (publicity and conference registration)
- The Neuromodulation Foundation, Inc. (WIKISTIM's parent organization)
- The North American Neuromodulation Society

CITATIONS ADDED for APRIL 2018

DBS

1. Bosanac P, Rossell S, Olver J, Groves C, Castle D. Deep brain stimulation in obsessive-compulsive disorder. *Aust N Z J Psychiatry* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29565177>
2. Chuang CF, Wu CW, Weng Y, Hu PS, Yeh SR, Chang YC. High-frequency stimulation of the subthalamic nucleus activates motor cortex pyramidal tract neurons by a process involving local glutamate, gaba and dopamine receptors in hemi-parkinsonian rats. *Chin J Physiol* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29590745>
3. Cubo E, Rajalingam R, Fasano A, Munhoz RP, Lang AE, Calvo S, Marras C. A 21-year retrospective study of the Toronto Western Hospital deep brain stimulation cohort. *Mov Disord* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29570864>
4. Di Lauro M, Benaglia S, Berto M, Bortolotti CA, Zoli M, Biscarini F. Exploiting interfacial phenomena in organic bioelectronics: conformable devices for bidirectional communication with living systems. *Colloids Surf B Biointerfaces* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29588094>
5. Falaki A, Jo HJ, Lewis MM, O'Connell B, De Jesus S, McInerney J, Huang X, Latash ML. Systemic effects of deep brain stimulation on synergic control in Parkinson's disease. *Clin Neurophysiol* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29573980>
6. Geng X, Xu X, Horn A, Li N, Ling Z, Brown P, Wang S. Intra-operative characterisation of subthalamic oscillations in Parkinson's disease. *Clin Neurophysiol* 2018 129(5):1001-1010 <https://www.ncbi.nlm.nih.gov/pubmed/29567582>
7. Nowacki A, Schlaier J, Debove I, Pollo C. Validation of diffusion tensor imaging tractography to visualize the dentatorubrothalamic tract for surgical planning. *J Neurosurg* 2018 epub 1-10 <https://www.ncbi.nlm.nih.gov/pubmed/29570012>
8. Pohodich AE, Yalamanchili H, Raman AT, Wan YW, Gundry M, Hao S, Jin H, Tang J, Liu Z, Zoghbi HY. Forniceal deep brain stimulation induces gene expression and splicing changes that promote neurogenesis and plasticity. *Elife* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29570050>
9. Roy HA, Aziz TZ, Fitzgerald JJ, Green AL. Beta oscillations and urinary voiding in Parkinson disease. *Neurology* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29572280>
10. Ruz J, Tykalová T, Fečíková A, Šťastná D, Urgošik D, Jech R. Dualistic effect of pallidal deep brain stimulation on motor speech disorders in dystonia. *Brain Stimul* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29576500>

11. Sahlström T, Eklund M, Timpka J, Henriksen T, Nyholm D, Odin P. Workforce participation and activities in Parkinson's disease patients receiving device-aided therapy. *Acta Neurol Scand* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29569237>

DRG

1. Eldabe S, Espinet A, Wahlstedt A, Kang P, Liem L, Patel NK, Vesper J, Kimber A, Cusack W, Kramer J. Retrospective case series on the treatment of painful diabetic peripheral neuropathy with dorsal root ganglion stimulation. *Neuromodulation* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29575331>
2. Mol FMU, Roumen RM, Scheltinga MR. Comparing the efficacy of targeted spinal cord stimulation (SCS) of the dorsal root ganglion with conventional medical management (CMM) in patients with chronic post-surgical inguinal pain: the SMASHING trial. *BMC Surg* 2018 18(1):18 <https://www.ncbi.nlm.nih.gov/pubmed/29587729>
3. Ni J, Wang X, Cao N, Si J, Gu B. Efficacy of different spinal nerve roots for neuromodulation of micturition reflex in rats. *Oncotarget* 2018 9(17):13382-13389 <https://www.ncbi.nlm.nih.gov/pubmed/29568364>

GES

1. Borbély Y, Bouvy N, Schulz HG, Rodriguez LA, Ortiz C, Nieponice A. Electrical stimulation of the lower esophageal sphincter to address gastroesophageal reflux disease after sleeve gastrectomy. *Surg Obes Relat Dis* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29567054>

SCS

1. Falowski SM, Sharan A, McInerney J, Jacobs D, Venkatesan L, Agnesi F. Nonawake vs awake placement of spinal cord stimulators: a prospective, multicenter study comparing safety and efficacy. *Neurosurgery* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29547957>
2. Garcia Sandoval A, Pal A, Mishra A, Sherman S, Parikh AR, Joshi-Imre A, Gutierrez G, Duran Martinez AC, Nathan JA, Arreaga-Salas D, Hosseini SM, Carmel J, Voit W. Chronic softening spinal cord stimulation arrays. *J Neural Eng* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29569573>
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4. Harkema SJ, Wang S, Angeli CA, Chen Y, Boakye M, Ugiliweneza B, Hirsch GA. Normalization of blood pressure with spinal cord epidural stimulation after severe spinal cord injury. *Front Hum Neurosci* 2018 epub 12:83 <https://www.ncbi.nlm.nih.gov/pubmed/29568266>
5. Hunter CW, Carlson J, Yang A, Deer T. Spinal cord stimulation for the treatment of failed neck surgery syndrome: outcome of a prospective case series. *Neuromodulation* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29566313>
6. Joo MC, Jang CH, Park JT, Choi SW, Ro S, Kim MS, Lee MY. Effect of electrical stimulation on neural regeneration via the p38-RhoA and ERK1/2-Bcl-2 pathways in spinal cord-injured rats. *Neural Regen Res* 2018 13(2):340-346 <https://www.ncbi.nlm.nih.gov/pubmed/29557386>
7. Oosterbos C, Vanvolsem S, Duyvendak W, Donkersloot P, Wissels M, Put E, Roosen G, Plazier M. Retrograde placement of high cervical electrodes: a technical refinement and case series. *Neuromodulation* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29566288>
8. Susa ST, Karas CS, Long NK. Treatment of glenohumeral arthritis pain utilizing spinal cord stimulation. *Surg Neurol Int* 2018 epub 9:54 <https://www.ncbi.nlm.nih.gov/pubmed/29576905>
9. Terson de Paleville DGL, Harkema SJ, Angeli CA. Epidural stimulation with locomotor training

improves body composition in individuals with cervical or upper thoracic motor complete spinal cord injury: a series of case studies. J Spinal Cord Med 2018 epub

<https://www.ncbi.nlm.nih.gov/pubmed/29537940>

10. Velásquez C, Tambirajoo K, Franceschini P, Eldridge P, Farah JO. Upper cervical spinal cord stimulation as an alternative treatment in trigeminal neuropathy. World Neurosurg 2018 epub
<https://www.ncbi.nlm.nih.gov/pubmed/29548953>

SNS

1. Roth TM. Sacral neuromodulation and twiddler's syndrome. Urology 2018 epub
<https://www.ncbi.nlm.nih.gov/pubmed/29574121>
2. Roth TM. Successful treatment of paradoxical puborectalis contraction and intractable anorectal pain with sacral neuromodulation. Female Pelvic Med Reconstr Surg 2018 epub
<https://www.ncbi.nlm.nih.gov/pubmed/29570127>

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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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