



February 2018 News

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STATE OF THE WIKISTIM UNION

Our membership is growing, our lists of primary data citations are growing, our efforts to improve the data abstraction method are closer to fruition, and our financial support is broadening and deepening.

The grants we have received, however, do not cover the operating cost that The Neuromodulation Foundation incurs to maintain and improve WIKISTIM; thus, we 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!

FINANCIAL SUPPORT FROM BEGINNING TO DATE

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- Thomas Abell, MD (current)

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)

MEMBERSHIP

Membership has grown to 647. Thank you for continuing to spread the word about WIKISTIM!

FEBRUARY 2018 STATUS OF CITATION LISTS

- DBS 4179
- DRG 66, with 8 completed WIKISTIM abstracts
- GES 465
- PNS 51
- SCS 2134, with 128 completed or partially completed WIKISTIM abstracts
- SNS 873

CONTINUING EFFORTS

We continue to work on our scheme to improve the wiki-abstraction data entry process. To this end, we are fine-tuning our list of SCS data categories and working on a form-based data entry system. We also are seeking funding to support major update of www.neuromodfound.org. This website presents the *Practice Parameters for the Use of SCS to Treat Neuropathic Pain*, which we plan to rename *Spinal Cord Stimulation in the Treatment of Chronic Pain: A Guide to Current Practice*.

LONGER-TERM GOALS

- Build the PNS section.
- Build the non-invasive brain stimulation section.
- Add additional sections (e.g., VNS).

CITATIONS OF NEW PAPERS THAT REPORT PRIMARY DATA ADDED FEBRUARY 2018

DBS

1. Akram H, Dayal V, Mahlknecht P, Georgiev D, Hyam J, Foltynie T, Limousin P, De Vita E, Jahanshahi M, Ashburner J, Behrens T, Hariz M, Zrinzo L. Connectivity derived thalamic segmentation in deep brain stimulation for tremor. *Neuroimage Clin* 2018 18:130-142 <https://www.ncbi.nlm.nih.gov/pubmed/29387530>
2. Alonso F, Vogel D, Johansson J, Wårdell K, Hemm S. Electric field comparison between microelectrode recording and deep brain stimulation systems-a simulation study. *Brain Sci* 2018 epub 8(2) <https://www.ncbi.nlm.nih.gov/pubmed/29415442>
3. Asha MJ, Fisher B, Kausar J, Garratt H, Krovvidi H, Shirley C, White A, Chelvarajah R, Ughratdar I, Hodson JA, Pall H, Mitchell RD. Subthalamic deep brain stimulation under general anesthesia and neurophysiological guidance while on dopaminergic medication: comparative cohort study. *Acta Neurochir (Wien)* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29396602>
4. Blomstedt P, Stenmark Persson R, Hariz GM, Linder J, Fredricks A, Häggström B, Philipsson J, Forsgren L, Hariz M. Deep brain stimulation in the caudal zona incerta versus best medical treatment in patients with Parkinson's disease: a randomised blinded evaluation. *J Neurol Neurosurg Psychiatry* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29386253>
5. Bot M, Schuurman PR, Odekerken VJJ, Verhagen R, Contarino FM, De Bie RMA, van den Munckhof P. Deep brain stimulation for Parkinson's disease: defining the optimal location within the subthalamic nucleus. *J Neurol Neurosurg Psychiatry* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29353236>
6. Brahimaj B, Kochanski RB, Sani S. Microelectrode accuracy in deep brain stimulation surgery. *J Clin Neurosci* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29396073>
7. Bui HP, Tomar S, Courtecuisse H, Audette M, Cotin S, Bordas SPA. Controlling the error on target motion through real-time mesh adaptation: applications to deep brain stimulation. *Int J Numer*

Method Biomed Eng 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29314783>

8. Carlson JD, McLeod KE, Mark JB, McLeod PS, Bremer BA. Dysgeusia in deep brain stimulation for essential tremor. *J Clin Neurosci* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29402567>
9. Cubo R, Astrom M, Medvedev A. Optimization-based contact fault alleviation in deep brain stimulation leads. *IEEE Trans Neural Syst Rehabil Eng* 2018 26(1):69-76
<https://www.ncbi.nlm.nih.gov/pubmed/29324404>
10. David FJ, Goelz LC, Tangonan RZ, Metman LV, Corcos DM. Bilateral deep brain stimulation of the subthalamic nucleus increases pointing error during memory-guided sequential reaching. *Exp Brain Res* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29427240>
11. Deprez M, Luyck K, Luyten L, Tambuyzer T, Nuttin B, Mc Laughlin M. An evaluation of the effect of pulse-shape on grey and white matter stimulation in the rat brain. *Sci Rep* 2018 8(1):752
<https://www.ncbi.nlm.nih.gov/pubmed/29335516>
12. Engelhardt KA, Marchetta P, Schwarting RKW, Melo-Thomas L. Haloperidol-induced catalepsy is ameliorated by deep brain stimulation of the inferior colliculus. *Sci Rep* 2018 8(1):2216
<https://www.ncbi.nlm.nih.gov/pubmed/29396521>
13. Gopalakrishnan R, Burgess RC, Malone DA, Lempka SF, Gale JT, Floden DP, Baker KB, Machado AG. Deep brain stimulation of the ventral striatal area for post-stroke pain syndrome: a magnetoencephalography study. *J Neurophysiol* 2018 epub
<https://www.ncbi.nlm.nih.gov/pubmed/29384450>
14. Graupe D, Khobragade N, Tuninetti D, Basu I, Slavin KV, Verhagen Metman L. Who may benefit from on-demand control of deep brain stimulation? Noninvasive evaluation of Parkinson patients. *Neuromodulation* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29345392>
15. Gunalan K, Howell B, McIntyre CC. Quantifying axonal responses in patient-specific models of subthalamic deep brain stimulation. *Neuroimage* 2018 172:263-277
<https://www.ncbi.nlm.nih.gov/pubmed/29331449>
16. Hell F, Taylor PCJ, Mehrkens JH, Bötzel K. Subthalamic stimulation, oscillatory activity and connectivity reveal functional role of STN and network mechanisms during decision making under conflict. *Neuroimage* 2018 171:222-233 <https://www.ncbi.nlm.nih.gov/pubmed/29307607>
17. Holland MT, Zanaty M, Li L, Thomsen T, Beeghly JH, Greenlee JDW, Reddy CG. Successful deep brain stimulation for central post-stroke pain and dystonia in a single operation. *J Clin Neurosci* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29396066>
18. Horisawa S, Ochiai T, Goto S, Nakajima T, Takeda N, Kawamata T, Taira T. Long-term outcome of pallidal stimulation for Meige syndrome. *J Neurosurg* 2018 epub 1-6
<https://www.ncbi.nlm.nih.gov/pubmed/29350600>
19. Huotarinen A, Penttinen AM, Bäck S, Voutilainen MH, Julku U, Petteri Piepponen T, Männistö PT, Saarma M, Tuominen R, Laakso A, Airavaara M. Combination of CDFN and deep brain stimulation decreases neurological deficits in late-stage model Parkinson's disease. *Neuroscience* 2018 epub
<https://www.ncbi.nlm.nih.gov/pubmed/29408408>
20. Huotarinen A, Reich M, Volkmann J, Pekkonen E. STN DBS for advanced Parkinson disease simultaneously alleviates cluster headache. *Case Rep Neurol* 2017 9(3):289-292
<https://www.ncbi.nlm.nih.gov/pubmed/29422851>
21. Ibrahim GM, Wong S, Morgan BR, Lipsman N, Fallah A, Weil AG, Krishna V, Wennberg RA, Lozano AM. Phase-amplitude coupling within the anterior thalamic nuclei during seizures. *J Neurophysiol* 2017 epub <https://www.ncbi.nlm.nih.gov/pubmed/29357461>
22. Karlsson F, Malinova E, Olofsson K, Blomstedt P, Linder J, Nordh E. Voice tremor outcomes of subthalamic nucleus and zona incerta deep brain stimulation in patients with Parkinson disease. *J Voice* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29361338>
23. Kokoszka MA, Panov F, La Vega-Talbott M, McGoldrick PE, Wolf SM, Ghatan S. Treatment of medically refractory seizures with responsive neurostimulation: 2 pediatric cases. *J Neurosurg*

- Pediatr 2018 epub 1-7 <https://www.ncbi.nlm.nih.gov/pubmed/29393811>
24. Kurcova S, Bardou J, Vastik M, Vecerkova M, Frolova M, Hvizdosova L, Nevrlly M, Mensikova K, Otruba P, Krahulik D, Kurca E, Sivak S, Zapletalova J, Kanovsky P. Bilateral subthalamic deep brain stimulation initial impact on nonmotor and motor symptoms in Parkinson's disease: an open prospective single institution study. *Medicine (Baltimore)* 2018 97(5):e9750 <https://www.ncbi.nlm.nih.gov/pubmed/29384860>
 25. Lauro PM, Lee S, Ahn M, Barborica A, Asaad WF. DBStar: an open-source tool kit for imaging analysis with patient-customized deep brain stimulation platforms. *Stereotact Funct Neurosurg* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29414819>
 26. Lin SH, Lai HY, Lo YC, Chou C, Chou YT, Yang SH, Sun I, Chen BW, Wang CF, Liu GT, Jaw FS, Chen SY, Chen YY. Decreased power but preserved bursting features of subthalamic neuronal signals in advanced Parkinson's patients under controlled desflurane inhalation anesthesia. *Front Neurosci* 2017 epub 11:701 <https://www.ncbi.nlm.nih.gov/pubmed/29311782>
 27. Lofredi R, Neumann WJ, Bock A, Horn A, Huebl J, Siegert S, Schneider GH, Krauss JK, Kühn AA. Dopamine-dependent scaling of subthalamic gamma bursts with movement velocity in patients with Parkinson's disease. *Elife* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29388913>
 28. Malekmohammadi M, AuYong N, Ricks-Oddie J, Bordelon Y, Pouratian N. Pallidal deep brain stimulation modulates excessive cortical high β phase amplitude coupling in Parkinson disease. *Brain Stimul* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29422442>
 29. Matias CM, Frizon LA, Nagel SJ, Lobel DA, Machado AG. Deep brain stimulation outcomes in patients implanted under general anesthesia with frame-based stereotaxy and intraoperative MRI. *J Neurosurg* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29372880>
 30. Melo-Thomas L, Gil-Martínez AL, Cuenca L, Estrada C, Gonzalez-Cuello A, Schwarting RK, Herrero MT. Electrical stimulation or MK-801 in the inferior colliculus improve motor deficits in MPTP-treated mice. *Neurotoxicology* 2018 65:38-43 epub <https://www.ncbi.nlm.nih.gov/pubmed/29366825>
 31. Mendonça MD, Barbosa R, Seromenho-Santos A, Reizinho C, Bugalho P; CHLO Movement Disorders Surgery Group. Early use of 80 Hz subthalamic stimulation in Parkinson's disease as an alternative for high-frequency stimulation induced gait changes and postural instability. *Brain Stimul* 2017 epub <https://www.ncbi.nlm.nih.gov/pubmed/29307610>
 32. Mendonça MD, Barbosa R, Seromenho-Santos A, Reizinho C, Bugalho P; CHLO Movement Disorders Surgery Group. Stuttering in Parkinson's disease after deep brain stimulation: a note on dystonia and low-frequency stimulation. *J Clin Neurosci* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29396058>
 33. Milchenko M, Norris SA, Poston K, Campbell MC, Ushe M, Perlmutter JS, Snyder AZ. 7T MRI subthalamic nucleus atlas for use with 3T MRI. *J Med Imaging (Bellingham)* 2018 5(1):015002 <https://www.ncbi.nlm.nih.gov/pubmed/29340288>
 34. Mücke D, Hermes A, Roettger TB, Becker J, Niemann H, Dembek TA, Timmermann L, Visser-Vandewalle V, Fink GR, Grice M, Barbe MT. The effects of thalamic deep brain stimulation on speech dynamics in patients with essential tremor: an articulographic study. *PLOS One* 2018 13(1):e0191359 <https://www.ncbi.nlm.nih.gov/pubmed/29360867>
 35. Nagahama Y, VanBeek MJ, Greenlee JDW. Red man syndrome caused by vancomycin powder. *J Clin Neurosci* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29398192>
 36. Nakajima A, Shimo Y, Sekimoto S, Kamagata K, Jo T, Oyama G, Umemura A, Hattori N. Dopamine transporter imaging predicts motor responsiveness to levodopa challenge in patients with Parkinson's disease: a pilot study of DATSCAN for subthalamic deep brain stimulation. *J Neurol Sci* 2018 385:134-139 <https://www.ncbi.nlm.nih.gov/pubmed/29406893>
 37. Naros G, Grimm F, Weiss D, Gharabaghi A. Directional communication during movement execution interferes with tremor in Parkinson's disease. *Mov Disord* 2018 33(2):251-261

- <https://www.ncbi.nlm.nih.gov/pubmed/29427344>
38. Ni Z, Kim SJ, Phielipp N, Ghosh S, Udupa K, Gunraj CA, Saha U, Hodaie M, Kalia SK, Lozano AM, Lee DJ, Moro E, Fasano A, Hallett M, Lang AE, Chen R. Pallidal deep brain stimulation modulates cortical excitability and plasticity. *Ann Neurol* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29369401>
 39. Omarova SM, Fedorova NV, Tomskiy AA, Gamaleya AA, Brill' EV, Gubareva NN, Poddubskaya AA. Syndrome dopamine dysregulation and deep brain stimulation of the subthalamic nucleus in Parkinson's disease. *Russian. Zh Nevrol Psikhiatr Im S S Korsakova* 2017 117(12):27-32 <https://www.ncbi.nlm.nih.gov/pubmed/29376980>
 40. Pal G, Ouyang B, Verhagen L, Serrano G, Shill HA, Adler CH, Beach TG, Kordower JH; AZSAND. Probing the striatal dopamine system for a putative neuroprotective effect of deep brain stimulation in Parkinson's disease. *Mov Disord* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29380902>
 41. Park K, Lim YH, Jang M, Kim A, Kim HJ, Paek SH, Jeon B. Battery life matters in deep brain stimulation. *Stereotact Funct Neurosurg* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29414816>
 42. Peisker CB, Schüller T, Peters J, Wagner BJ, Schilbach L, Müller UJ, Visser-Vandewalle V, Kuhn J. Nucleus accumbens deep brain stimulation in patients with substance use disorders and delay discounting. *Brain Sci* 2018 epub 8(2) <https://www.ncbi.nlm.nih.gov/pubmed/29382059>
 43. Rebelo P, Green AL, Aziz TZ, Kent A, Schafer D, Venkatesan L, Cheeran B. Thalamic directional deep brain stimulation for tremor: spend less, get more. *Brain Stimul* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29373260>
 44. Reinacher PC, Amtage F, Rijntjes M, Piroth T, Prokop T, Jenkner C, Kätzler J, Coenen VA. One pass thalamic and subthalamic stimulation for patients with tremor-dominant idiopathic Parkinson syndrome (OPINION): protocol for a randomized, active-controlled, double-blinded pilot trial. *JMIR Res Protoc* 2018 7(1):e36 <https://www.ncbi.nlm.nih.gov/pubmed/29382631>
 45. Sandoe C, Krishna V, Basha D, Sammartino F, Tatsch J, Picillo M, di Biase L, Poon YY, Hamani C, Reddy D, Munhoz RP, Lozano AM, Hutchison WD, Fasano A. Predictors of deep brain stimulation outcome in tremor patients. *Brain Stimul* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29330020>
 46. Scharre DW, Weichart E, Nielson D, Zhang J, Agrawal P, Sederberg PB, Knopp MV, Rezai AR; Alzheimer's Disease Neuroimaging Initiative. Deep brain stimulation of frontal lobe networks to treat Alzheimer's disease. *J Alzheimers Dis* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29400666>
 47. Seddighi AS, Seddighi A, Nikouei A. Deep brain nucleus targeting in Parkinson's disease and essential tremor by image guided surgery using neuronavigation system with tractography and volume of tissue of activated assessment. *Hell J Nucl Med* 2017 20 (Suppl):14-19 <https://www.ncbi.nlm.nih.gov/pubmed/29324910>
 48. Shehab S, D'Souza C, Ljubisavljevic M, Redgrave P. Activation of the subthalamic nucleus suppressed by high frequency stimulation: a c-Fos immunohistochemical study. *Brain Res* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29421187>
 49. Tronnier VM, Rasche D, Thorns V, Alvarez-Fischer D, Münte TF, Zurowski B. Massive weight loss following deep brain stimulation of the nucleus accumbens in a depressed woman. *Neurocase* 2018 epub 1-5 <https://www.ncbi.nlm.nih.gov/pubmed/29388475>
 50. Wagle Shukla A, Ostrem JL, Vaillancourt DE, Chen R, Foote KD, Okun MS. Physiological effects of subthalamic nucleus deep brain stimulation surgery in cervical dystonia. *J Neurol Neurosurg Psychiatry* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29326293>
 51. Xiao Y, Agnesi F, Bello EM, Zhang S, Vitek JL, Johnson MD. Deep brain stimulation induces sparse distributions of locally modulated neuronal activity. *Sci Rep* 2018 8(1):2062

<https://www.ncbi.nlm.nih.gov/pubmed/29391468>

52. Zhang J, Zhang S, Yu C, Zheng X, Xu K. Intrinsic optical imaging study on cortical responses to electrical stimulation in ventral posterior medial nucleus of thalamus. *Brain Res* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29408501>

DRG

1. Kent AR, Min X, Hogan QH, Kramer JM. Mechanisms of dorsal root ganglion stimulation in pain suppression: a computational modeling analysis. *Neuromodulation* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29377442>
2. Wang Z, Liao L, Deng H, Li X, Chen G. The inhibitory effect of sacral dorsal root ganglion stimulation on nociceptive and nonnociceptive bladder reflexes in cats. *World J Urol* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29374840>

GES

1. Morales-Conde S, Alarcón Del Agua I, Busetto L, Favretti F, Anselmino M, Rovera GM, Socas-Macias M, Barranco-Moreno A, Province-Azalde R, Torres AJ. Implanted closed-loop gastric electrical stimulation (clges) system with sensor-based feedback safely limits weight regain at 24 months. *Obes Surg* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29333595>

SCS

1. Granville M, Berti AF, Jacobson RE. Use of spinal cord stimulation in elderly patients with multifactorial chronic lumbar and non-radicular lower extremity pain. *Cureus* 2017 9(11):e1855 <https://www.ncbi.nlm.nih.gov/pubmed/29375941>
2. Granville M, Brennan PT, Jacobson RE. Bilateral peripheral nerve field stimulation for intractable coccygeal pain: a case study using dual lead intercommunication. *Cureus* 2017 9(11):e1832 <https://www.ncbi.nlm.nih.gov/pubmed/29333355>
3. Hofstoetter US, Freundl B, Binder H, Minassian K. Common neural structures activated by epidural and transcutaneous lumbar spinal cord stimulation: elicitation of posterior root-muscle reflexes. *PLOS One* 2018 13(1):e0192013 <https://www.ncbi.nlm.nih.gov/pubmed/29381748>
4. Kumar V, Prusik J, Lin Y, Hwang R, Feustel P, Pilitsis JG. Efficacy of alternating conventional stimulation and high frequency stimulation in improving spinal cord stimulation outcomes: a pilot study. *Neuromodulation* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29405548>
5. Li H, Dong X, Jin M, Cheng W. The protective effect of spinal cord stimulation postconditioning against spinal cord ischemia/reperfusion injury in rabbits. *Neuromodulation* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29345393>
6. Li H, Waterhouse K, Vitali A. Complications and caveats of burst spinal cord stimulation. *Can J Neurol Sci* 2017 44(6):759-760 <https://www.ncbi.nlm.nih.gov/pubmed/29391084>
7. Liu JT, Su CH, Chen SY, Liew SJ, Chang CS. Spinal cord stimulation improves the microvascular perfusion insufficiency caused by critical limb ischemia. *Neuromodulation* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29377343>
8. Noori S, Mehta N. Management of medically refractory central poststroke pain using high-frequency spinal cord stimulation at 10 kHz. *Neuromodulation* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29350884>
9. Noori S, Yu J, Gulati A. Acute epidural hematoma occurring after removal of percutaneous spinal cord stimulator trial leads in a cancer patient with chronic thrombocytopenia: a case report. *IPM Reports* 2018 2(1):27-33 <http://www.ipmreportsjournal.com/current/pdf?article=MTc0&journal=7>
10. Simopoulos T, Sharma S, Aner M, Gill JS. The long-term durability of multi-lumen concentric percutaneous spinal cord stimulator leads. *Pain Pract* 2018 epub

<https://www.ncbi.nlm.nih.gov/pubmed/29363873>

11. Tuijpt SJ, Van Zundert J, De Vooght P, Puylaert M, Mestrum R, Heylen R, Vanelderen P. Does the use of epiduroscopic lysis of adhesions reduce the need for spinal cord stimulation in failed back surgery syndrome: a short term pilot study? *Pain Pract* 2018 epub
<https://www.ncbi.nlm.nih.gov/pubmed/29345843>
12. Wolter T. Spinal cord stimulation with percutaneous type lead in a deaf patient with complex regional pain syndrome type II. *Pain Pract* 2018 epub
<https://www.ncbi.nlm.nih.gov/pubmed/29316194>

SNS

1. Blok B, Van Kerrebroeck P, de Wachter S, Ruffion A, Van der Aa F, Jairam R, Perrouin-Verbe M, Elneil S. Three month clinical results with a rechargeable sacral neuromodulation system for the treatment of overactive bladder. *Neurourol Urodyn* 2018 37(S2):S9-S16
<https://www.ncbi.nlm.nih.gov/pubmed/29315785>
2. Blok B, Van Kerrebroeck P, de Wachter S, Ruffion A, Van der Aa F, Jairam R, Perrouin-Verbe M, Elneil S. Programming settings and recharge interval in a prospective study of a rechargeable sacral neuromodulation system for the treatment of overactive bladder. *Neurourol Urodyn* 2018 37(S2):S17-S22 <https://www.ncbi.nlm.nih.gov/pubmed/29336058>
3. Elterman DS. The novel Axonics® rechargeable sacral neuromodulation system: procedural and technical impressions from an initial North American experience. *Neurourol Urodyn* 2018 37(S2):S1-S8 <https://www.ncbi.nlm.nih.gov/pubmed/29336078>
4. Lagares-Tena L, Millán-Paredes L, Lázaro-García L, Navarro-Luna A, Delgado-Rivilla S, Muñoz-Duyos A. Sacral neuromodulation in patients with congenital faecal incontinence. Special issues and review of the literature. *Tech Coloproctol* 2018 epub
<https://www.ncbi.nlm.nih.gov/pubmed/29340832>
5. Schiano di Visconte M, Santoro GA, Cracco N, Sarzo G, Bellio G, Brunner M, Cui Z, Matzel KE. Effectiveness of sacral nerve stimulation in fecal incontinence after multimodal oncologic treatment for pelvic malignancies: a multicenter study with 2-year follow-up. *Tech Coloproctol* 2018 epub <https://www.ncbi.nlm.nih.gov/pubmed/29313165>

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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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