



See **ABOUT** WIKISTIM

NEWSLETTER #119 SEPTEMBER 2023

Donate Now

Increase in the Number of Subscribers

WIKISTIM now has 1759 subscribers. Thank you for spreading the word!

Citations Added From Search on September 11 and 12, 2023

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. (If necessary, please click “View Entire Message” to see all of the citation lists in this newsletter.)

Deep Brain Stimulation (now 7801 citations)

1. Akhoondian M, Rashtiani S, Khakpour-Taleghani B, Rostampour M, Jafari A, Rohampour K. **Lateral habenula deep brain stimulation alleviates depression-like behaviors and reverses the oscillatory pattern in the nucleus accumbens in an animal model of depression.** Brain Res Bull 2023 202:110745 [PubMed](#) [Free Full Text](#)
2. Alarie ME, Provenza NR, Herron JA, Asaad WF. **Automated artifact injection into sensing-capable brain modulation devices for neural-behavioral**

- synchronization and the influence of device state.** Brain Stimul 2023
epub [PubMed Free Full Text](#)
3. Amlong C, Rusy D, Sanders RD, Lake W, Raz A. **Dexmedetomidine depresses neuronal activity in the subthalamic nucleus during deep brain stimulation electrode implantation surgery.** BJA Open 2022 3:100088 [PubMed Free Full Text](#)
 4. Askari A, Lam JLW, Zhu BJ, Lu CW, Chou KL, Wyant KJ, Patil PG. **Dorsal subthalamic deep brain stimulation improves pain in Parkinson's disease.** Front Pain Res (Lausanne) 2023 4:1240379 [PubMed Free Full Text](#)
 5. Bhattacharjee S, Silverdale MA, Bonello M, Evans J, Kobylecki C. **Generalized dystonia due to a pathogenic THAP1 variant showing sustained response to globus pallidus deep brain stimulation.** Tremor Other Hyperkinet Mov (NY) 2023 13:23 [PubMed Free Full Text](#)
 6. Binder T, Lange F, Pozzi N, Musacchio T, Daniels C, Odorfer T, Fricke P, Matthies C, Volkmann J, Capetian P. **Feasibility of local field potential-guided programming for deep brain stimulation in Parkinson's disease: a comparison with clinical and neuro-imaging guided approaches in a randomized, controlled pilot trial.** Brain Stimul 2023 16(5):1243-1251 [PubMed Free Full Text](#)
 7. Boëx C, Awadhi AA, Tyrand R, Corniola MV, Kibleur A, Fleury V, Burkhard PR, Momjian S. **Validation of lead-DBS β -oscillation localization with directional electrodes.** Bioengineering (Basel) 2023 10(8):898 [PubMed Free Full Text](#)
 8. Bosley KM, Luo Z, Amoozegar S, Acedillo K, Nakajima K, Johnson LA, Vitek JL, Wang J. **Effect of subthalamic coordinated reset deep brain stimulation on Parkinsonian gait.** Front Neuroinform 2023 17:1185723 [PubMed Free Full Text](#)
 9. Branco LRF, Viswanathan A, Tarakad A, Ince NF. **Construction of semi-supervised spatial projections to identify the source of beta- and high frequency oscillations in Parkinson's disease.** Int IEEE EMBS Conf Neural Eng 2023 epub [PubMed Free Full Text](#)
 10. Bytowska ZK, Korewo-Labelle D, Kowalski K, Libionka W, Przewłócka K, Kloc W, Kaczor JJ. **Impact of 12 weeks of vitamin D₃ administration in Parkinson's patients with deep brain stimulation on kynurenine pathway and inflammatory status.** Nutrients 2023 15(17):3839 [PubMed Free Full Text](#)
 11. Campbell BA, Favi Bocca L, Tiefenbach J, Hogue O, Nagel SJ, Rammo R, Escobar Sanabria D, Machado AG, Baker KB. **Myogenic and cortical evoked potentials vary as a function of stimulus pulse geometry delivered in the subthalamic nucleus of Parkinson's disease patients.** Front Neurol 2023 14:1216916 [PubMed Free Full Text](#)
 12. Chagot C, Bustuchina Vlaicu M, Frismand S, Colnat-Coulbois S, Nguyen JP, Palfi S. **Deep brain stimulation in multiple sclerosis-associated tremor. A large,**

- retrospective, longitudinal open label study, with long-term follow-up.** Mult Scler Relat Disord 2023 79:104928 [PubMed](#)
13. Chang B, Mei J, Ni C, Niu C. **Functional connectivity and anxiety improvement after subthalamic nucleus deep brain stimulation in Parkinson's disease.** Clin Interv Aging 2023 18:1437-1445 [PubMed](#) [Free Full Text](#)
 14. Chang L, Luo B, Dong W, Qiu C, Lu Y, Sun J, Yan J, Zhang W, Yan J. **Bilateral globus pallidus interna deep brain stimulation in the treatment of mixed cerebral palsy in ataxia with dyskinesia: a case report.** Front Neurol 2023 14:1238292 [PubMed](#) [Free Full Text](#)
 15. Crockett RA, Wilkins KB, Zeineh MM, McNab JA, Henderson JM, Buch VP, Brontë-Stewart HM. **An individualized tractography pipeline for the nucleus basalis of Meynert lateral tract.** medRxiv [preprint before peer review] 2023 epub [PubMed](#) [Free Full Text](#)
 16. Davidson B, Scherer M, Giacobbe P, Nestor S, Abrahao A, Rabin JS, Phung L, Lin FH, Lipsman N, Milosevic L, Hamani C. **Mood biomarkers of response to deep brain stimulation in depression measured with a sensing system.** Brain Stimul 2023 epub [PubMed](#) [Free Full Text](#)
 17. Devos JVP, Smit JV, George ELJ, Leue C, Ackermans L, Temel Y, Janssen MLF. **Effective treatment of refractory tinnitus by bilateral deep brain stimulation of the medial geniculate body of the thalamus: a case report.** Brain Stimul 2023 16(5):1322-1324 [PubMed](#) [Free Full Text](#)
 18. Dorritie A, Faysel M, Gruessner A, Robakis D. **Black and hispanic patients with movement disorders less likely to undergo deep brain stimulation.** Parkinsonism Relat Disord 2023 115:105811 [PubMed](#)
 19. Eisinger RS, Okun MS, Cernera S, Cagle J, Beke M, Ramirez-Zamora A, Kim BH, Barbosa DAN, Qiu L, Vaswani P, Aamodt WW, Halpern CH, Foote KD, Gunduz A, Almeida L. **Weight and survival after deep brain stimulation for Parkinson's disease.** Parkinsonism Relat Disord 2023 115:105810 [PubMed](#)
 20. El Otmani H, El Moutawakil B, Daghi M, Fadili O, Slassi I, El Azhari A, Essodegui F, Barrou L, Rafai MA, Lakhdar A. **Deep brain stimulation for dystonia: experience of a Moroccan university hospital.** Pediatr Neurol 2023 148:23-27 [PubMed](#)
 21. Elias GJB, Germann J, Boutet A, Beyn ME, Giacobbe P, Song HN, Choi KS, Mayberg HS, Kennedy SH, Lozano AM. **Local neuroanatomical and tract-based proxies of optimal subcallosal cingulate deep brain stimulation.** Brain Stimul 2023 16(5):1259-1272 [PubMed](#) [Free Full Text](#)
 22. Fan X, Mocchi M, Pascuzzi B, Xiao J, Metzger BA, Mathura RK, Hacker C, Adkinson JA, Bartoli E, Elhassa S, Watrous AJ, Zhang Y, Goodman W, Pouratian N, Bijanki KR. **Brain mechanisms underlying the emotion processing bias in**

- treatment-resistant depression.** bioRxiv [preprint before peer review] 2023
epub [PubMed Free Full Text](#)
23. Frassica M, Kern DS, Afshari M, Connolly AT, Wu C, Rowland N, Ramirez-Castaneda J, Ushe M, Salazar C, Mason X. **Racial disparities in access to DBS: results of a real-world U.S. claims data analysis.** Front Neurol 2023 14:1233684 [PubMed Free Full Text](#)
 24. Ghaffar WB, Shahid MA, Haq IU, Sohaib M. **Perioperative hypertensive response in a patient with implanted deep brain stimulation device: a case report.** J Pak Med Assoc 2023 73(8):1723-1725 [PubMed](#)
 25. Grossen A, Shi HH, Schenk M, Stocco A, Ramsey J, Sahgal S, Conner AK, Desai VR. **Deep brain stimulation in a pediatric dystonia patient with cochlear implants and mitochondrial disorder: novel application of a frameless stereotactic system and navigating the anesthesia choice and neurosurgical complexities. Illustrative case.** J Neurosurg Case Lessons 2023 6(6):CASE23128 [PubMed Free Full Text](#)
 26. Hernandez-Martin E, Vidmark JSL, MacLean JA, Sanger TD. **What is the effect of benzodiazepines on deep brain activity? A study in pediatric patients with dystonia.** Front Neurol 2023 14:1215572 [PubMed Free Full Text](#)
 27. Holewijn RA, Zoon TJC, Verbaan D, Bergfeld IO, Verwijk E, Geurtsen GJ, van Rooijen G, van den Munckhof P, Bot M, Denys DAJP, De Bie RMA, Schuurman PR. **Cognitive and psychiatric outcomes in the GALAXY trial: effect of anaesthesia in deep brain stimulation.** J Neurol Neurosurg Psychiatry 2023 epub jnnp-2023-331791 [PubMed](#)
 28. Leserri S, Segura-Amil A, Nowacki A, Debove I, Petermann K, Schächli L, Preti MG, Van De Ville D, Pollo C, Walther S, Nguyen TAK. **Linking connectivity of deep brain stimulation of nucleus accumbens area with clinical depression improvements: a retrospective longitudinal case series.** Eur Arch Psychiatry Clin Neurosci 2023 epub [PubMed Free Full Text](#)
 29. Li SJ, Lo YC, Tseng HY, Lin SH, Kuo CH, Chen TC, Chang CW, Liang YW, Lin YC, Wang CY, Cho TY, Wang MH, Chen CT, Chen YY. **Nucleus accumbens deep brain stimulation improves depressive-like behaviors through BDNF-mediated alterations in brain functional connectivity of dopaminergic pathway.** Neurobiol Stress 2023 26:100566 [PubMed Free Full Text](#)
 30. Manfield J, Thomas S, Antoniadou C, Green AL, FitzGerald JJ. **High resolution photon counting CT permits direct visualisation of directional deep brain stimulation lead segments and markers.** Brain Stimul 2023 16(5):1276-1277 [PubMed Free Full Text](#)
 31. Middlebrooks EH, Tao S, Zhou X, Greco E, Westerhold EM, Tipton PW, Quinones-Hinojosa A, Grewal SS, Patel V. **Synthetic inversion image generation using MP2RAGE T1 mapping for surgical targeting in deep brain stimulation and lesioning.** Stereotact Funct Neurosurg 2023 epub 1-6 [PubMed](#)

32. Mithani K, Breitbart S, Fasano A, Gorodetsky C, Ibrahim GM. **Deep brain stimulation for status dystonicus in a toddler with SCN2A-related disorder.** Childs Nerv Syst 2023 epub [PubMed](#)
33. Nurse ES, Dalic LJ, Clarke S, Cook M, Archer J. **Deep learning for automated detection of generalized paroxysmal fast activity in Lennox-Gastaut syndrome.** Epilepsy Behav 2023 147:109418 [PubMed](#)
34. Oehrns CR, Cernera S, Hammer LH, Shcherbakova M, Yao J, Hahn A, Wang S, Ostrem JL, Little S, Starr PA. **Personalized chronic adaptive deep brain stimulation outperforms conventional stimulation in Parkinson's disease.** medRxiv [preprint before peer review] 2023 epub [PubMed](#) [Free Full Text](#)
35. Oudijn MS, Linders JTW, Lok A, Schuurman PR, van den Munckhof P, van Elburg AA, van Wingen GA, Mocking RJT, Denys D. **Neural effects of deep brain stimulation on reward and loss anticipation and food viewing in anorexia nervosa: a pilot study.** J Eat Disord 2023 11(1):140 [PubMed](#) [Free Full Text](#)
36. Paschen E, Kleis P, Vieira DM, Heining K, Boehler C, Egert U, Häussler U, Haas CA. **On-demand low-frequency stimulation for seizure control: efficacy and behavioural implications.** Brain 2023 epub awad299 [PubMed](#)
37. Paulo DL, Johnson GW, Doss DJ, Allen JH, González HFJ, Shults R, Li R, Ball TJ, Bick SK, Hassell TJ, D'Haese PF, Konrad PE, Dawant BM, Narasimhan S, Englot DJ. **Intraoperative physiology augments atlas-based data in awake deep brain stimulation.** J Neurol Neurosurg Psychiatry 2023 epub jnnp-2023-331248 [PubMed](#)
38. Romito LM, Paio F, Andreasi NG, Panteghini C, Rinaldo S, Kaymak A, Mazzoni A, Colucci F, Levi V, Messina G, Garavaglia B, Eleopra R. **A novel GNAL pathogenic variant leading to generalized dystonia: immediate and sustained response to globus pallidus internus deep brain stimulation.** Parkinsonism Relat Disord 2023 115:105833 [PubMed](#)
39. Rosa TD, Dixon L, Yousaf MIK, Holiday V, Zemmar A, Neimat J, Hedera P. **Progressive multifocal encephalopathy Holmes tremor successfully treated with bilateral deep brain stimulation.** Tremor Other Hyperkinet Mov (NY) 2023 13:31 [PubMed](#) [Free Full Text](#)
40. Sermon JJ, Olaru M, Anso J, Cernera S, Little S, Shcherbakova M, Bogacz R, Starr PA, Denison T, Duchet B. **Sub-harmonic entrainment of cortical gamma oscillations to deep brain stimulation in Parkinson's disease: model based predictions and validation in three human subjects.** Brain Stimul 2023 epub [PubMed](#) [Free Full Text](#)
41. Starkweather CK, Morrison MA, Yaroshinsky M, Louie K, Balakid J, Presbrey K, Starr PA, Wang DD. **Human upper extremity motor cortex activity shows distinct oscillatory signatures for stereotyped arm and leg movements.** Front Hum Neurosci 2023 17:1212963 [PubMed](#) [Free Full Text](#)

42. Statz M, Schleuter F, Weber H, Kober M, Plocksties F, Timmermann D, Storch A, Fauser M. **Subthalamic nucleus deep brain stimulation does not alter growth factor expression in a rat model of stable dopaminergic deficiency.** Neurosci Lett 2023 814:137459 [PubMed](#) [Free Full Text](#)
43. Steinhardt J, Lokowandt L, Rasche D, Koch A, Tronnier V, Münte TF, Meyhöfer SM, Wilms B, Brüggemann N. **Mechanisms and consequences of weight gain after deep brain stimulation of the subthalamic nucleus in patients with Parkinson's disease.** Sci Rep 2023 13(1):14202 [PubMed](#) [Free Full Text](#)
44. Tankus A, Lustig-Barzelay Y, Gurevitch G, Faust-Socher A, Strauss I. **Neuronal encoding of speech features in the human thalamus in Parkinson's disease and essential tremor patients.**Neurosurgery 2023 epub [PubMed](#)
45. Totsune T, Baba T, Sugimura Y, Oizumi H, Tanaka H, Takahashi T, Yoshioka M, Nagamatsu KI, Takeda A. **Nuclear imaging data-driven classification of Parkinson's disease.** Mov Disord 2023 epub [PubMed](#)
46. van den Boom BJG, Elhazaz-Fernandez A, Rasmussen PA, van Beest EH, Parthasarathy A, Denys D, Willuhn I. **Unraveling the mechanisms of deep-brain stimulation of the internal capsule in a mouse model.** Nat Commun 2023 14(1):5385 [PubMed](#) [Free Full Text](#)
47. Wagner BJ, Schüller CB, Schüller T, Baldermann JC, Kohl S, Visser-Vandewalle V, Huys D, Marx M, Kuhn J, Peters J. **Chronic deep brain stimulation of the human nucleus accumbens region disrupts the stability of inter-temporal preferences.** J Neurosci 2023 epub JN-RM-0138-23 [PubMed](#)
48. Wang K, Yang L, Zhou S, Lin W. **Desynchronizing oscillators coupled in multi-cluster networks through adaptively controlling partial networks.** Chaos 2023 33(9):091101 [PubMed](#) [Free Full Text](#)
49. Wang KL, Li JP, Shan YZ, Zhao GG, Ma JH, Ramirez-Zamora A, Zhang YQ. **Centromedian-parafascicular complex deep brain stimulation improves motor symptoms in rapid onset dystonia-parkinsonism (DYT12-ATP1A3).** Brain Stimul 2023 16(5):1310-1312 [PubMed](#) [Free Full Text](#)
50. Wolke R, Becktepe JS, Paschen S, Helmers AK, Kübler-Weller D, Youn J, Brinker D, Bergman H, Kühn AA, Fasano A, Deuschl G. **The role of levodopa challenge in predicting the outcome of subthalamic deep brain stimulation.** Mov Disord Clin Pract 2023 10(8):1181-1191 [PubMed](#) [Free Full Text](#)
51. Xu C, Qi L, Wang X, Schaper FLWVJ, Wu D, Yu T, Yan X, Jin G, Wang Q, Wang X, Huang X, Wang Y, Chen Y, Liu J, Wang Y, Horn A, Fisher RS, Ren L. **Functional connectomic profile correlates with effective anterior thalamic stimulation for refractory epilepsy.** Brain Stimul 2023 16(5):1302-1309 [PubMed](#) [Free Full Text](#)
52. Yang AI, Raghu ALB, Isbaine F, Alwaki A, Gross RE. **Sensing with deep brain stimulation device in epilepsy: aperiodic changes in thalamic local field potential during seizures.** Epilepsia 2023 epub [PubMed](#)

53. Yearley AG, Chua M, Horn A, Cosgrove GR, Rolston JD. **Deep brain stimulation lead localization variability comparing intraoperative MRI versus postoperative computed tomography.** Oper Neurosurg (Hagerstown) 2023 epub [PubMed](#)
54. Zoon TJC, Mathiopoulou V, van Rooijen G, van den Munckhof P, Denys DAJP, Schuurman PR, de Bie RMA, Bot M. **Apathy following deep brain stimulation in Parkinson's disease visualized by 7-tesla MRI subthalamic network analysis.** Brain Stimul 2023 16(5):1289-1291 [PubMed](#) [Free Full Text](#)

Dorsal Root Ganglion Stimulation (now 255 citations)

1. Chapman KB, Yousef T, Amireh A, Kallewaard JW, van Helmond N. **Lead migration rate in dorsal root ganglion stimulation using lead anchoring techniques: a follow-up study.** Pain Pract 2023 epub [PubMed](#)

Gastric Electrical Stimulation (still 522 citations)

Peripheral Nerve Stimulation (now 719 citations)

1. Abdalla AS, Berquist SW, Mohammad A, Dobberfuhr AD. **Our 11 year experience with percutaneous tibial nerve stimulation (PTNS) in men and women for the treatment of interstitial cystitis/bladder pain syndrome (IC/BPS).** Urology 2023 epub [PubMed](#)
2. Fogh-Andersen IS, Sørensen JCH, Jensen RH, Knudsen AL, Meier K. **Treatment of chronic cluster headache with burst and tonic occipital nerve stimulation: a case series.** Headache 2023 epub [PubMed](#) [Free Full Text](#)
3. Johnson B, Covington S, Maita M, Strand N. **Peripheral nerve stimulation of the lesser occipital and greater auricular nerve for post herpetic neuralgia in a case of Ramsay Hunt syndrome: case report.** Orthop Rev (Pavia) 2023 epub [PubMed](#) [Free Full Text](#)
4. Sánchez Roldán MÁ, Moncho D, Rahnema K, Santa-Cruz D, Lainez E, Baiget D, Chocrón I, Gándara D, Bescós A, Sahuquillo J, Poca MA. **Intraoperative neurophysiological monitoring in syringomyelia surgery: a multimodal approach.** J Clin Med 2023 12(16):5200 [PubMed](#) [Free Full Text](#)
5. Viudes-Sarrión N, Aleixandre-Carrera F, Beltrá P, Ortega FJ, Molina-Payá FJ, Velasco E, Delicado-Miralles M. **Blood flow effects of percutaneous peripheral nerve stimulation. A blinded, randomized clinical trial.** Eur J Clin Invest 2023 e14091 [PubMed](#)

Sacral Nerve Stimulation (now 1188 citations)

1. Goudelocke C, Jungbauer Nikolas LM, Bittner KC, Offutt SJ, Miller AE, Slopsema JP. **Sensing in sacral neuromodulation: a feasibility study in subjects with**

urinary incontinence and retention.Neuromodulation 2023 epub [PubMed Free Full Text](#)

2. Luchristt D, Kawasaki A. **Successful sacral neuromodulation treatment of refractory faecal incontinence in a patient with spina bifida and partial sacral agenesis.** BMJ Case Rep 2023 16(9):e254835 [PubMed](#)

Spinal Cord Stimulation (now 3186 citations)

1. Berwal D, Telkes I, Agarwal S, Paniccioli S, McCarthy K, DiMarzio M, McLaughlin B, Pilitsis JG. **Investigation of the intraoperative cortical responses to spinal motor mapping in a patient with chronic pain.** J Neurophysiol 2023 epub [PubMed](#)
2. Cheng Y, Xie D, Han Y, Guo S, Sun Z, Jing L, Man W, Liu D, Yang K, Lei D, Meng Z, Zhang H, Wang G, Wu W, Wang G, Lu Y. **Precise management system for chronic intractable pain patients implanted with spinal cord stimulation based on a remote programming platform: study protocol for a randomized controlled trial (PreMaSy study).** Trials 2023 24(1):580 [PubMed Free Full Text](#)
3. Deer T, Gilligan C, Falowski S, Desai M, Pilitsis J, Jameson J, Moeschler S, Heros R, Tavel E, Christopher A, Patterson D, Wahezi S, Weisbein J, Antony A, Funk R, Ibrahim M, Lim C, Wilson D, Fishell M, Scarfo K, Dickerson D, Braun E, Buchanan P, Levy RM, Miller N, Duncan J, Xu J, Candido K, Kreiner S, Fahey ME, Yue J. **Treatment of refractory low back pain using passive recharge burst in patients without options for corrective surgery: findings and results from the DISTINCT study, a prospective randomized multicenter controlled trial.** Neuromodulation 2023 epub [PubMed Free Full Text](#)
4. Harland TA, Staudt MD, Bandlamuri S, Juneja A, Pilitsis JG, Sukul VV. **Predictors of skip laminotomy for placement of paddle leads for spinal cord stimulation.** Neuromodulation 2023 epub [PubMed](#)
5. Kapural L, Patterson DG, Li S, Hatheway J, Hunter C, Rosen S, Fishman M, Gupta M, Sayed D, Christopher A, Burgher A, McJunkin T, Ross EL, Provenzano D, Amirdelfan K. **Multiphase spinal cord stimulation in participants with chronic back or leg pain: results of the BENEFIT-02 randomized clinical trial.** Neuromodulation 2023 epub [PubMed Free Full Text](#)
6. Marek RJ, Le JT, Hapenciuc G, Philip MA, Chiu J, Block AR, Ben-Porath YS. **Incremental contribution of the Minnesota Multiphasic Personality Inventory - 3 to predicting one-year postoperative spinal cord surgery/spinal cord stimulation outcomes.** J Clin Psychol Med Settings 2023 epub [PubMed](#)
7. Mayorova L, Radutnaya M, Varyukhina M, Vorobyev A, Zhdanov V, Petrova M, Grechko A. **Immediate effects of anti-spastic epidural cervical spinal cord stimulation on functional connectivity of the central motor system in patients with stroke- and traumatic brain injury-induced spasticity: a pilot**

- resting-state functional magnetic resonance imaging study.** Biomedicines 2023 11(8):2266 [PubMed](#) [Free Full Text](#)
8. McIntosh JR, Joiner EF, Goldberg JL, Greenwald P, Murray LM, Thuet E, Modik O, Shelkov E, Lombardi JM, Sardar ZM, Lehman RA, Chan AK, Riew KD, Harel NY, Virk MS, Mandigo C, Carmel JB. **Timing dependent synergies between motor cortex and posterior spinal stimulation in humans.** medRxiv [preprint before peer review] 2023 epub [PubMed](#) [Free Full Text](#)
 9. Mekhail NA, Levy RM, Deer TR, Kapural L, Li S, Amirdelfan K, Pope JE, Hunter CW, Rosen SM, Costandi SJ, Falowski SM, Burgher AH, Gilmore CA, Qureshi FA, Staats PS, Scowcroft J, McJunkin T, Carlson J, Kim CK, Yang MI, Stauss T, Petersen EA, Hagedorn JM, Rauck R, Kallewaard JW, Baranidharan G, Taylor RS, Poree L, Brounstein D, Duarte RV, Gmel GE, Gorman R, Gould I, Hanson E, Karantonis DM, Khurram A, Leitner A, Mugan D, Obradovic M, Ouyang Z, Parker J, Single P, Soliday N; EVOKE Study Group. **ECAP-controlled closed-loop versus open-loop SCS for the treatment of chronic pain: 36-month results of the EVOKE blinded randomized clinical trial.** Reg Anesth Pain Med 2023 epub rapm-2023-104751 [PubMed](#) [Free Full Text](#)
 10. Mirzakhali E, Rogers E, Lempka SF. **An optimization framework for targeted spinal cord stimulation.** J Neural Eng 2023 epub [PubMed](#) [Free Full Text](#)
 11. Patterson DG, Wilson D, Fishman MA, Moore G, Skaribas I, Heros R, Dehghan S, Ross E, Kyani A. **Objective wearable measures correlate with self-reported chronic pain levels in people with spinal cord stimulation systems.** NPJ Digit Med 2023 6(1):146 [PubMed](#) [Free Full Text](#)
 12. Ragel BT, Riedman T, McGehee M, Raslan AM. **Analysis of spinal canal diameter in the placement of thoracic spinal cord stimulator paddle leads.** Pain Pract 2023 epub [PubMed](#)
 13. Taylor RS, Lad SP, White JL, Stauss TG, Healey BE, Sacks NC, McLin R, Patil S, Jaasma MJ, Caraway DL, Petersen EA. **Health care resource utilization and costs in patients with painful diabetic neuropathy treated with 10 kHz spinal cord stimulation therapy.** J Manag Care Spec Pharm 2023 29(9):1021-1029 [PubMed](#) [Free Full Text](#)
 14. Vanloon M, Raymaekers V, Meeuws S, de Ridder D, Plazier M. **Correlation between abdominal wall stimulation and spinal cord stimulator tip location: a nonrandomized clinical trial.** Neuromodulation 2023 epub [PubMed](#)
 15. Xu X, Fu Y, Bao M. **Comparison between the efficacy of spinal cord stimulation and of endovascular revascularization in the treatment of diabetic foot ulcers: a retrospective observational study.** Neuromodulation 2023 epub [PubMed](#) [Free Full Text](#)

THANK YOU TO OUR SUPPORTERS!

Individual supporters 2019-23:

Thomas Abell, MD
David Cedeno, PhD and Pilar Mejia, PhD
Kenneth Chapman, MD
Terry Daglow
Hemant Kalia, MD, MPH, FIPP
The Donlin & Harriett Long Family Charitable Gift Fund
SuEarl McReynolds
Richard B. North, MD
Louis Raso MD, PA
B. Todd Sitzman, MD, MPH
Konstantin Slavin, MD, PhD

Industry support 2019-23:

Enterra
Medtronic
Nevro
Stimwave

Nonprofit support:

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

EDITORIAL BOARD**Editor-in-chief**

[Richard B. North, MD](#)

Section editors

[Thomas Abell, MD](#), Gastric Electrical Stimulation
Tracy Cameron, PhD, Peripheral Nerve Stimulation
[Roger Dmochowski, MD](#), Sacral Nerve Stimulation
Robert Foreman, MD, PhD, Experimental Studies
[Elliot Krames, MD](#), Dorsal Root Ganglion Stimulation
[Bengt Linderoth, MD, PhD](#), Experimental Studies
[Richard B. North, MD](#), Spinal Cord Stimulation
B. Todd Sitzman, MD, MPH, At Large
[Konstantin Slavin, MD, PhD](#), Deep Brain Stimulation
[Kristl Vonck, MD, PhD](#), Deep Brain Stimulation for Epilepsy
Richard Weiner, MD, Peripheral Nerve Stimulation
[Jonathan Young, MD](#), Noninvasive Brain Stimulation
To be determined, Vagus Nerve Stimulation

Managing editor

[Jane Shipley](#)

Disclosure

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

A reminder about personal information

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

Contact

The Neuromodulation Foundation, Inc.
117 East 25th Street
Baltimore, MD 21218

wikistim@gmail.com