



April 2021 News

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AVAILABILITY OF OPEN ACCESS/FULL TEXT PUBLICATIONS

As a service to *Neuromodulation*, the journal dedicated to our field, for years we have included links to full-text articles for each *Neuromodulation* citation, whether or not the article was available for free download. A year ago, we began to include links to all open-access publications and to indicate whether our links to *Neuromodulation* for specific citations would point to a “Free Full Text” or merely “Full Text” page. As we updated epub information from earlier months, we also added full-text links.

We realized recently that identifying some full-text links could lead users to think that we had identified all. Thus, we embarked upon a project that will take a few months to complete—adding all available full-text links. We started with the smallest sections and have completed GES, PNS, and DRG. We will next work on SCS and then SNS and DBS.

Downloading some PDFs creates a token, indicating a one-time event; other downloads occur immediately. In those cases, we add links to the full-text on the publisher's page before PDF creation. We have also discovered that some publishers are making small but significant changes in the titles of articles when they appear in print rather than as e-publications. Thus, as we have updated citations, we have had to change titles to add hyphens (or remove them), remove apostrophes, and even add new words. We consider this egregious because these publication might well have been listed as originally titled in bibliographies of other published papers.

Another thing we have discovered is that when a journal offers a free download of a paper in “accepted manuscript” format during the e-publication stage, that paper might appear behind a paywall when the paper is published in its final version. We are keeping a note of these instances and will remove “Free Full Text” links if necessary as we update e-publications.

Finally, we haven't checked the statistics, but it seems that more and more papers are being published in an open-access format, and we applaud this trend. We hope that the extra service we are providing with the Free Full Text links is helpful.

YOUR OPINION REQUESTED

Would it be useful to you to have frequently cited review articles, expert opinions, and editorials in WIKISTIM's databases for handy reference? We would include a limited number of such papers based

upon your recommendations and upon citation statistics (while continuing to include every paper that reports primary data). We would clearly mark these publications or create a special section for them, unlike PUBMED, which sometimes applies the “Reviews” label inappropriately.

In addition to your opinion about this expansion of our citation lists, we would welcome your nominations for important papers to include. An example that comes immediately to mind is our PNS editor, Tracy Cameron’s paper, “Safety and efficacy of spinal cord stimulation for the treatment of chronic pain: a 20-year literature review,” which is frequently cited, and which furthermore reported important information on the incidence of infection, which WIKISTIM can flag. This paper does not appear after a PUBMED search with the keywords, *Cameron SCS infection*.

We would greatly appreciate your opinion about this proposed expansion as well as your nomination of potential citations, via e-mail to wikistim@gmail.com.

MEMBERSHIP

In March, the number of our subscribers grew to 1454. Thank you for helping to spread the word!

CITATIONS ADDED MARCH 29, 2021 (if necessary, please click “View Entire Message”)

Deep Brain Stimulation (now 6133 citations)

1. Anderson DN, Dorval AD, Rolston JD, Pulst SM, Anderson CJ. Computational investigation of the impact of deep brain stimulation contact size and shape on neural selectivity. *J Neural Eng* 2021 epub [PUBMED Free Full Text](#)
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4. Chang SJ, Santamaria AJ, Sanchez FJ, Villamil LM, Saraiva PP, Benavides F, Nunez-Gomez Y, Solano JP, Opris I, Guest JD, Noga BR. Deep brain stimulation of midbrain locomotor circuits in the freely moving pig. *Brain Stimul* 2021 14(3):467-476 [PUBMED Free Full Text](#)
5. Chen YF, Chang YP, Chen WF, Lin WC, Chang YY, Lin HC, Shih FY. Effect of intraoperative computed tomography in microelectrode recording during frameless stereotactic deep brain stimulation for Parkinson's disease. *World Neurosurg* 2021 epub [PUBMED](#)
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7. Das S, Matias CM, Ramesh S, Velagapudi L, Barbera JP, Katz S, Baldassari MP, Rasool M, Kremens D, Ratliff J, Liang TW, Wu C. Capturing initial understanding and impressions of surgical therapy for Parkinson's disease. *Front Neurol* 2021 12:605959 [PUBMED Free Full Text](#)
8. De Vloo P, Lam E, Elias GJ, Boutet A, Sutandar K, Giacobbe P, Woodside DB, Lipsman N, Lozano A. Long-term follow-up of deep brain stimulation for anorexia nervosa. *J Neurol Neurosurg Psychiatry* 2021 epub [jnnp-2020-325711 PUBMED](#)
9. Deutschová B, Klimeš P, Jordan Z, Jurák P, Erőss L, Lamoš M, Halánek J, Daniel P, Rektor I, Fabo D. Thalamic oscillatory activity may predict response to deep brain stimulation of the anterior

- nuclei of the thalamus. *Epilepsia* 2021 epub [PUBMED](#)
10. Evidente VGH, Ponce FA, Evidente MH, Lambert M, Garrett R. Tardive blepharospasm may respond to bilateral pallidal deep brain stimulation. *Tremor Other Hyperkinet Mov (NY)* 2021 11:10 [PUBMED](#) [Free Full Text](#)
 11. Farokhniaee A, Lowery M. Cortical network effects of subthalamic deep brain stimulation in a thalamo-cortical microcircuit model. *J Neural Eng* 2021 epub [PUBMED](#) [Free Full Text](#)
 12. Feldmann LK, Neumann WJ, Krause P, Lofredi R, Schneider GH, Kühn AA. Subthalamic beta band suppression reflects effective neuromodulation in chronic recordings. *Eur J Neurol* 2021 epub [PUBMED](#) [Free Full Text](#)
 13. Geraedts VJ, Koch M, Contarino MF, Middelkoop HAM, Wang H, van Hilten JJ, Bäck THW, Tannemaat MR. Machine learning for automated EEG-based biomarkers of cognitive impairment during deep brain stimulation screening in patients with Parkinson's disease. *Clin Neurophysiol* 2021 132(5):1041-1048 [PUBMED](#) [Free Full Text](#)
 14. He W, Li H, Lai Y, Wu Y, Wu Y, Ramirez-Zamora A, Yi W, Zhang C. Weight change after subthalamic nucleus deep brain stimulation in patients with isolated dystonia. *Front Neurol* 2021 12:632913 [PUBMED](#) [Free Full Text](#)
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 18. Horisawa S, Kohara K, Nonaka T, Mochizuki T, Kawamata T, Taira T. Case report: deep cerebellar stimulation for tremor and dystonia. *Front Neurol* 2021 12:642904 [PUBMED](#) [Free Full Text](#)
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 43. Rahimpour S, Calakos N, Turner DA, Mitchell KT. Treatment of diaphragmatic dystonia with pallidal deep brain stimulation. *BMJ Case Rep* 2021 14(3):e240510 [PUBMED](#)
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shows therapeutic utility for treatment of Parkinson's disease symptoms in a rat model.

Neuroscience 2021 460:88-106 [PUBMED](#)

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63. Zhou S, Lin W. Eliminating synchronization of coupled neurons adaptively by using feedback coupling with heterogeneous delays. Chaos 2021 31(2):023114 [PUBMED](#)
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Dorsal Root Ganglion Stimulation (now 187 citations, with 9 completed WIKISTIM abstracts)

1. Soloukey S, Drenthen J, Osterthun R, de Vos CC, De Zeeuw CI, Huygen FJPM, Harhangi BS. How to identify responders and nonresponders to dorsal root ganglion-stimulation aimed at eliciting motor responses in chronic spinal cord injury: post hoc clinical and neurophysiological tests in a case series of five patients. Neuromodulation 2021 epub [PUBMED](#) [Free Full Text](#)

Gastric Electrical Stimulation (still 507 citations)

Peripheral Nerve Stimulation (now 498 citations, with 6 completed WIKISTIM abstracts)

1. Chooi CSL, Sullivan C, Boretzky K. Distal peripheral nerve stimulation successfully assesses sciatic nerve integrity following parasacral sciatic motor block: a case report. A A Pract 2021 15(3):e01433 [PUBMED](#)
2. Dalex M, Malezieux A, Parent T, Zekry D, Serratrice C. Phrenic nerve stimulation, a rare complication of pacemaker: a case report. Medicine (Baltimore) 2021 100(11):e25060 [PUBMED](#) [Free Full Text](#)
3. Dey S. Comparing neuromodulation modalities involving the suprascapular nerve in chronic refractory shoulder pain: retrospective case series and literature review. Clin Shoulder Elb 2021 24(1):36-41 [PUBMED](#) [Free Full Text](#)
4. Díaz-de-Terán J, Membrilla JA, Paz-Solís J, de Lorenzo I, Roa J, Lara-Lara M, Gil-Martínez A, Díez-Tejedor E. Occipital nerve stimulation for pain modulation in drug-resistant chronic cluster headache. Brain Sci 2021 11(2):236 [PUBMED](#) [Free Full Text](#)
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10. Schwartz AR, Goldberg LR, McKane S, Morgenthaler TI. Transvenous phrenic nerve stimulation improves central sleep apnea, sleep quality, and quality of life regardless of prior positive airway pressure treatment. *Sleep Breath* 2021 epub [PUBMED Free Full Text](#)
11. Shell CE, Christie BP, Marasco PD, Charkhkar H, Triolo RJ. Lower-limb amputees adjust quiet stance in response to manipulations of plantar sensation. *Front Neurosci* 2021 15:611926 [PUBMED Free Full Text](#)
12. Stebler K, Choquet O, Bernard N, Biboulet P, Capdevila X. An uncommon cause of nerve stimulator's malfunction during a dual guidance lumbar plexus block: a technical brief report and an algorithm for prevention of complications. *Anaesth Crit Care Pain Med* 2021 epub [PUBMED](#)

Spinal Cord Stimulation (now 2684 citations, with 133 completed or partially completed WIKISTIM abstracts)

1. Falowski SM, Benison A. Prospective analysis utilizing intraoperative neuromonitoring for the evaluation of inter-burst frequencies. *J Pain Res* 2021 14:703-710 [PUBMED Free Full Text](#)
2. Hagerdon KE, Villeneuve LM, O'Neal CM, Conner AK. Resolution of symptoms in idiopathic thalamic pain syndrome after implantation of a cervical and thoracic percutaneous spinal cord stimulator. *Surg Neurol Int* 2021 epub [PUBMED Free Full Text](#)
3. Jerjir A, Goudman L, Van Buyten JP, De Smedt A, Smet I, Devos M, Moens M. Detoxification of neuromodulation eligible patients by a standardized protocol: a retrospective pilot study. *Neuromodulation* 2021 epub [PUBMED Full Text](#)
4. Jones MR, Orhurhu V, O'Gara B, Brovman EY, Rao N, Vanterpool SG, Poree L, Gulati A, Urman RD. Racial and socioeconomic disparities in spinal cord stimulation among the Medicare population. *Neuromodulation* 2021 epub [PUBMED Full Text](#)
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6. Langford B, Hunt C, Lerman A, Mauck WD. Pre-operative assessment of patients undergoing spinal cord stimulation for refractory angina pectoris. *Pain Med* 2021 pnab105 [PUBMED](#)
7. Metzger CS, Hammond MB, Paz-Solis JF, Newton WJ, Thomson SJ, Pei Y, Jain R, Moffitt M, Anecchino L, Doan Q. A novel fast-acting sub-perception spinal cord stimulation therapy enables rapid onset of analgesia in patients with chronic pain. *Expert Rev Med Devices* 2021 epub:1-8 [PUBMED Free Full Text](#)
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intervention engages the residual motor circuitry to facilitate walking in a rat model of spinal cord injury. *Nat Commun* 2021 12(1):1925 [PUBMED Free Full Text](#)

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12. Han Y, Lu Y, Wang D, Ran M, Ren Q, Xie D, Aziz TZ, Li L, Wang JJ. The use of remote programming for spinal cord stimulation for patients with chronic pain during the COVID-19 outbreak in China. *Neuromodulation* 2021 epub [PUBMED Free Full Text](#)

Sacral Nerve Stimulation (now 1076 citations)

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CONTACT

The Neuromodulation Foundation, Inc.

117 East 25th Street
Baltimore, MD 21218
wikistim@gmail.com