



June 2021 News

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WIKISTIM'S PERIPHERAL NERVE STIMULATION SECTION

In November 2020, we reported that, with the help of a grant from Stimwave, we were able to increase our PNS section from 64 in September to 448 by November. We have continued our effort to capture all pertinent citations (those for papers reporting primary data, modeling results, or study protocols for PNS with implanted devices). This month we offer 557 citations, an increase of 51 from last month, although we have only listed the 17 new citations we identified that were published in 2021. In order to find PNS citation, we must not only search "peripheral nerve stimulation," we also have to search using the names of specific nerves. Then we have to filter the results. Stimulating the phrenic nerve, for example, can be a desired therapeutic goal or a side effect of another therapy to be avoided. We would be delighted if those of you who have a library of PNS citations would offer to compare our list to those you have collected. If you are willing to do this, we'll be happy to send you a spreadsheet with our entire PNS database in a useful format. We will also acknowledge your contribution. Our goal is for our community to recognize that WIKISTIM will offer the most value to everyone if we approach it as a collaborative effort.

FULL-TEXT LINKS

Since March 2020 (a month that will go down in the history books as the start of the worldwide pandemic), we have captured full-text links when they are available for citations in all of our sections. When we realized that the absence of such a link made people inaccurately believe that a free full-text version of an article was not available, we went back into the database and quickly added full-text to our smaller sections (DRG, GES, and PNS). In the past month, we have sourced the links for all available full-text SCS citations in our database. This task took approximately two weeks of full-time equivalent work, and we look forward to adding the links that we found to the WIKISTIM on-line database in the coming weeks (as we also follow our quarterly schedule of checking and updating epub citations when possible). At some time in the future, we hope to also source all full-text links to the SNS and DBS sections.

If a full-text link goes to an immediate download, we link the page from which the download is available. We also do not follow a link to its ultimate destination if that URL includes a unique token that can't be used by others. In the case of the journal *Neuromodulation*, we always provide links, even if the full-text document is not free. We do, however, differentiate between "Full Text" and "Free Full Text" in the lists below. We encourage everyone to build a personal library of neurostimulation literature. In a few cases, we have seen papers that were free in an early version be placed behind a paywall later.

MEMBERSHIP

In May, the number of our subscribers grew to 1479. Thank you for helping to spread the word!

CITATIONS ADDED FROM SEARCH ON May 29, 2021 (if necessary, please click "View Entire Message")

Deep Brain Stimulation (now 6250 citations)

1. Amiri S, Arbabi M, Kazemi K, Parvaresh-Rizi M, Mirbagheri MM. **Characterization of brain functional connectivity in treatment-resistant depression.** Prog Neuropsychopharmacol Biol Psychiatry 2021 111:110346 [PUBMED](#)
2. Belova EM, Semenova U, Gamaleya AA, Tomskiy AA, Sedov A. **Is there a single beta oscillation band interfering with movement in Parkinson's disease?** Eur J Neurosci 2021 epub [PUBMED](#)
3. Beylergil SB, Noecker AM, Petersen M, Gupta P, Ozinga S, Walker MF, Kilbane C, McIntyre CC, Shaikh AG. **Subthalamic deep brain stimulation affects heading perception in Parkinson's disease.** J Neurol 2021 epub [PUBMED](#)
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7. Brazhnik E, Novikov N, McCoy AJ, Ilieva NM, Ghraib MW, Walters JR. **Early decreases in cortical mid-gamma peaks coincide with the onset of motor deficits and precede exaggerated beta build-up in rat models for Parkinson's disease.** Neurobiol Dis 2021 epub 105393 [PUBMED](#) [Free Full Text](#)
8. Brinda AK, Doyle AM, Blumenfeld M, Krieg J, Alisch JSR, Spencer C, Lecy E, Wilmerding LK, DeNicola A, Johnson LA, Vitek JL, Johnson MD. **Longitudinal analysis of local field potentials recorded from directional deep brain stimulation lead implants in the subthalamic nucleus.** J Neural Eng 2021 18(4) [PUBMED](#)
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10. Chastan N, Achamrah N, Derrey S, Maltete D, Coeffier M, Leroi AM, Dechelotte P, Welter ML, Gourcerol G. **Role of gastric motility in weight gain after subthalamic nucleus stimulation in Parkinson's disease.** Brain Stimul 2021 14(4):801-803 [PUBMED Free Full Text](#)
11. Cheng H, Qi Y, Lai N, Yang L, Xu C, Wang S, Guo Y, Chen Z, Wang Y. **Inhibition of hyperactivity of the dorsal raphe 5-HTergic neurons ameliorates hippocampal seizure.** CNS Neurosci Ther 2021 epub [PUBMED Free Full Text](#)
12. Cross KA, Malekmohammadi M, Woo Choi J, Pouratian N. **Movement-related changes in pallidocortical synchrony differentiate action execution and observation in humans.** Clin Neurophysiol 2021 epub [PUBMED](#)
13. Dannug AT, Gabriel FGC, Macias MCYL, Diesta CCE. **Impact of deep brain stimulation on quality of life and motor symptoms in Parkinson's disease and x-linked dystonia parkinsonism: the Philippine experience.** Parkinsonism Relat Disord 2021 87:92-97 [PUBMED Free Full Text](#)
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18. Fabbri M, Natale F, Artusi CA, Romagnolo A, Bozzali M, Giulietti G, Guimaraes I, Rizzone MG, Accornero A, Lopiano L, Zibetti M. **Deep brain stimulation fine-tuning in Parkinson's disease: short pulse width effect on speech.** Parkinsonism Relat Disord 2021 87:130-134 [PUBMED](#)
19. Faraz M, Kosarmadar N, Rezaei M, Zare M, Javan M, Barkley V, Shojaei A, Mirnajafi-Zadeh J. **Deep brain stimulation effects on learning, memory and glutamate and GABA_A receptor subunit gene expression in kindled rats.** Acta Neurobiol Exp (Wars) 2021 81(1):43-57 [PUBMED](#)
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25. Guimarães Rocha MS, Letícia de Freitas J, Torres IA, Alves Matos PC, Terzian PR, Santos Tatsch JF, Godinho F. **Subthalamic nucleus deep brain stimulation lessens acquired dystonia: report of two patients and systematic review of published cases.** Stereotact Funct Neurosurg 2021 epub 1-13 [PUBMED](#)
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Dorsal Root Ganglion Stimulation (now 194 citations, with 9 completed WIKISTIM abstracts)

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3. Dombovy-Johnson ML, Hagedorn JM, Lamer TJ. **Dorsal root ganglion stimulation for complex regional pain syndrome in spinal cord injury.** Pain Med 2021 22(5):1224-1227 [PUBMED](#)
4. Franken G, Douven P, Debets J, Joosten EAJ. **Conventional dorsal root ganglion stimulation in an experimental model of painful diabetic peripheral neuropathy: a quantitative immunocytochemical analysis of intracellular γ -aminobutyric acid in dorsal root ganglion neurons.** Neuromodulation 2021 epub [PUBMED](#) [Free Full Text](#)
5. Parker T, Huang Y, Raghu ALB, FitzGerald J, Aziz TZ, Green AL. **Supraspinal effects of dorsal root ganglion stimulation in chronic pain patients.** Neuromodulation 2021 epub [PUBMED](#) [Full Text](#)

Gastric Electrical Stimulation (still 507 citations)

Peripheral Nerve Stimulation (now 557 citations, with 6 completed WIKISTIM abstracts)

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 5. Ghijselings L, Renson C, Van de Walle J, Everaert K, Spinoit AF. **Clinical efficacy of transcutaneous tibial nerve stimulation (TTNS) versus sham therapy (part I) and TTNS versus percutaneous tibial nerve stimulation (PTNS) (part II) on the short term in children with the idiopathic overactive bladder syndrome: protocol for part I of the twofold double-blinded randomized controlled TaPaS trial.** *Trials* 2021 22(1):247 [PUBMED](#) [Free Full Text](#)
 6. Jiang L, Zhang S, Zhang N, Chen JDZ. **Optimized tibial nerve stimulation partially reduces visceral hypersensitivity in rats mediated via autonomic and opioid mechanisms.** *Neuromodulation* 2021 epub [PUBMED](#) [Full Text](#)
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