

# Spinal cord stimulation may ease diabetic nerve pain

November 10 2020

---



(HealthDay)—Low-frequency spinal cord stimulation (SCS) may be

effective for treating painful diabetic neuropathy (DN), according to a study scheduled for presentation at the 19th Annual Pain Medicine Meeting, a meeting of the American Society of Regional Anesthesia and Pain Medicine, held virtually from Nov. 20 to 22.

Erika Petersen, M.D., from the University of Arkansas School for Medical Sciences in Fayetteville, and colleagues randomly assigned (1:1) 216 patients with painful DN for  $\geq 12$  months to 10 kHz SCS (Nevro Corp.) combined with conventional medical management (CMM) or CMM alone (103 patients). This is an interim analysis and follow-up will last for 24 [months](#).

The researchers found no reported study-related adverse events in the [control group](#) and 16 study-related adverse events in the SCS+CMM group. There were two procedure-related infections in the 10 kHz SCS+CMM group, yielding a 1.8 percent infection rate. There was a significant difference between the treatment groups with respect to achieving  $\geq 50$  percent [pain](#) relief and without worsening baseline neurological deficit. At three-month follow-up, there were also differences noted in lower-limb pain scores, responder rates, and investigator-assessed sensory improvements. Similar improvements were seen for the treatment groups across several health-related quality-of-life and functional measures, including the impact of pain on sleep and Global Impression of Change.

"These early results are encouraging for painful DN patients who are refractory to conventional care," the authors write.

Several authors disclosed financial ties to the medical device industry.

**More information:** [Abstract](#)  
[More Information](#)

Copyright © 2020 [HealthDay](#). All rights reserved.

Citation: Spinal cord stimulation may ease diabetic nerve pain (2020, November 10) retrieved 9 April 2024 from <https://medicalxpress.com/news/2020-11-spinal-cord-ease-diabetic-nerve.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.