

Case Report

- Peripheral nerve stimulation (PNS) is an emerging, minimally invasive treatment for mononeuropathies and focal neuropathic pain.
- However, its role in the management of diffuse or bilateral neuropathies remains limited, primarily due to challenges in selectively targeting widespread symptoms with a small number of leads.

Broader Neuromodulatory Effects From Common Peroneal Nerve Stimulation for Neuropathic Foot Pain

Case Description

- A 61-year-old woman presented with chronic and severe bilateral neuropathic foot pain.
- She was unable to tolerate multiple classes of systemic neuropathic pain medications and declined opioid therapy. Psychological interventions and physical therapy provided minimal benefits.
- Bilateral percutaneous PNS leads were implanted, targeting only the common peroneal nerves. Insurance limitations permitted the implantation of only two leads (Figure 1).
- Unexpectedly, she experienced near-complete resolution of bilateral foot pain shortly after stimulation began.
- Her pain remained well-controlled without the need for analgesics. At her three-year follow-up she reported sustained 60% pain relief.

Figure 1



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