

Refractory Neuropathic Pain

Chronic [neuropathic pain](#) has been recognized as contributing to a significant proportion of [chronic pain](#) globally. Among these, [spinal pain](#) is of significance with [failed back surgery syndrome](#) (FBSS), generating considerable expense for the health care systems with increasing prevalence and health impact.

Treatment

see [Chronic neuropathic pain treatment](#).

Case series

Thirty-four patients with refractory [chronic neuropathic pain](#) were treated with [spinal cord stimulation](#) systems providing [multiwave](#) therapy between September 2018 and October 2019. Patients with a follow-up of at least 6 months were selected; 10 subjects were excluded due to revision surgery, infection, and loss to follow-up. Data regarding pain intensity and preferred waveform for the trial, the implantation, 3-month and 6-month follow-up were recorded.

During the trial phase, 10 patients (43.5%) achieved significant pain relief using [tonic stimulation](#), 5 using [burst stimulation](#) (21.7%), 3 using microburst (13.0%), and 4 using a combination of tonic and microburst (17.4%). One single patient preferred Contour stimulation during the trial. After 3 months, 6 patients preferred microburst (25%), 6 preferred tonic (25%), 5 used a combination of tonic and microburst (20.8%), and 5 patients used burst (20.8%). After 6 months, similar results were obtained. Contour and Whisper were used in complex cases failing to other waveforms.

Tonic stimulation, isolated or in combination, remains an important component in [spinal cord stimulation](#), being used by almost half of the patients. Over time, the usage of microburst increased considerably. Whisper and Contour, although battery-consuming, are good salvage options in complex cases ¹⁾.

¹⁾

S PG, S G, J SP, J V. Combination of waveforms in modern spinal cord stimulation. Acta Neurochir (Wien). 2022 Jan 5. doi: 10.1007/s00701-021-05107-4. Epub ahead of print. PMID: 34988708.

From:
<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:
https://neurosurgerywiki.com/wiki/doku.php?id=refractory_neuropathic_pain

Last update: **2024/06/07 02:53**

