

Modern SCS Technology Maintains Clinical Effects of the Therapy Long-Term: Results from a Spanish Case Series

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Presented at the 2009 International Neuromodulation Society (INS) 9th World Congress.

Purpose

- To demonstrate advanced spinal cord stimulation (SCS) technology can be used to treat back and leg pain in failed back surgery syndrome (FBSS) patients.

Methods

- Observational case series from Spain
- 19 FBSS patients (following a successful test procedure) received an SCS system
- Precision Plus™ SCS stimulator and 2 Linear™ percutaneous leads
- Followed at 1, 3, 6, and 12 months

Results

- 17/19 (89%) reported stable paresthesia coverage >80% in both back and legs over the 12 month period (2 lost therapeutic pain relief at 12 months)
 - Median VAS score decreased from a baseline of 8.5 to 4
 - 14/17 (74%) reported >50% relief of pain at 12 months follow-up
 - 16/17 (84%) were satisfied with therapy 12 months after receiving the SCS implant

Author Conclusions

- SCS is significantly more successful than repeated operations, by multiple outcome measures, in carefully screened and selected patients with FBSS.
- Patients randomized to SCS achieved success (as measured by at least 50% pain relief and patient satisfaction with treatment) more often than those who crossed over to SCS after reoperation.

Discussion Points

- Using Precision Plus with SmoothWave™ Technology and narrowly spaced (1mm) contacts implanted in parallel at T8-T9, it may be possible to achieve and maintain long-term pain relief in both back and legs for FBSS patients.
- Tight contact spacing is the gold standard for precisely targeting pain.

Indications for Use. The Precision® Spinal Cord Stimulator System (Precision System) is indicated as an aid in the management of chronic intractable pain of the trunk and/or limbs, including unilateral or bilateral pain associated with the following: failed back surgery syndrome, intractable low back pain, and leg pain. **Contraindications, warnings, precautions, side effects.** The Precision System is contraindicated for patients who: are unable to operate the Precision System, have failed trial stimulation by failing to receive effective pain relief, are poor surgical risks, or are pregnant. Refer to the Instructions for Use provided with the Precision System or ControlYourPain.com for potential adverse effects, warnings, and precautions prior to using this product. **Caution:** Federal (U.S.) law restricts this device to sale by or on the order of a physician.

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