Axial Back Pain Relief and Patient Satisfaction Profiles With Spinal Cord Stimulation (SCS): 50-Patient Series

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Purpose

- To report the clinical outcomes of spinal cord stimulation (SCS) for axial back pain and radicular pain in a large sample of patients.

Methods

- Retrospective patient survey at single pain management clinic
- 79 patients implanted with Boston Scientific Precision® SCS system were contacted by telephone to participate in an interview regarding their SCS therapy.
- 50 patients consented and responded to the survey:
  - 31 patients (62%) with primarily axial back pain
  - 19 patients (38%) primarily with radicular pain
  - Mean SCS implant duration, 15.4±0.9 months

Results

- USAGE:
  - 26% used stimulation ≥23 hours per day
  - 74% used stimulation intermittently throughout the day
- PAIN RELIEF:
  - 61% with radicular pain reported pain relief in their limbs
  - 54% with axial back pain reported pain relief in their backs
  - Across all patients, overall pain was reduced by 56% from baseline.
- SATISFACTION:
  - 90% were satisfied with their SCS therapy and would recommend SCS to a friend.
  - 88% would "do it all again" for the current level of therapy.
- OPIOID USAGE:
  - 32% reduced opioids intake.
  - 18% completely eliminated opioids.
- NON PAIN METRICS:
  - 58% reported fewer doctor visits.
  - 60% reported better sleep.
  - 92% felt they were in a better mood.
  - 88% can cope with their remaining pain.
  - 66% are more active.
  - 52% participate in more social activities
  - 80% believe they have a better quality of life
  - 60% have an increased ability to work
  - 44% feel they have better posture.

Author Conclusions

- Based on the outcomes observed and its reversible nature, SCS represents an attractive treatment option for patients with intractable pain conditions including back pain.

Results from case studies are not predictive of results in other cases. Results in other cases may vary.

Poster Presentation

Low Back Pain

Discussion Point

- Precision Plus™ with SmoothWave™ Technology is designed to enhance pain therapy and make life smoother for patients.

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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