SAFETY AND EFFICACY OF PERIPHERAL ELECTRICAL STIMULATION TO TREAT CHRONIC PAIN

STUDY DESIGN
- Prospective
- Multicenter
- Randomized
- Double-blinded
- Partial crossover

TARGETS: Mononeuropathy Locations
- Upper Extremity: 43.9%
- Lower Extremity: 27.7%
- Trunk: 28.7%

N = 94 implanted
1:1 randomization
45 Treatment
49 Control

PURPOSE:
To investigate the safety and efficacy of a new peripheral nerve stimulation device for the treatment of chronic peripheral pain.

INTERVENTION & OUTCOME
After 90 Days

INTERVENTION GROUP
Received active dose electrical stimulation from the implanted system.

CONTROL GROUP
After device implantation, patient received no therapeutic stimulation.

3-MONTH RESPONSE RATE
(≥ 30% decrease in NRS)
- Treatment: 38%
- Control: 10%
(p=0.0048)

3-MONTH PAIN REDUCTION
- Treatment: 27.2%
- Control: 02.3%
(p=0.0001)

This peripheral neuromodulation system displayed efficacy of pain reduction at 3 months and safety follow-up to 1 year.

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Deer et al. Neuromodulation. 2015