BURST STIMULATION FOR CHRONIC LOW BACK AND LEG PAIN

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Results

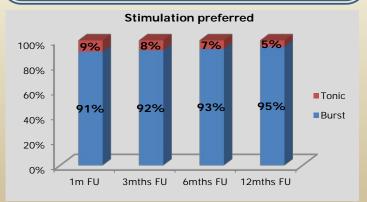
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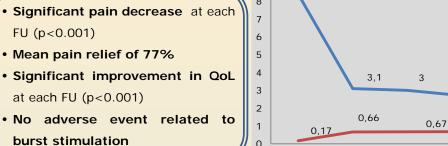
Objectives

Burst stimulation could be more effective than Spinal Cord Stimulation and, potentially, could avoid some stimulation discomforts related to tonic stimulation. The primary endpoints of this data collection is the evaluation of the effectiveness and tolerability of burst stimulation in a long term follow up.

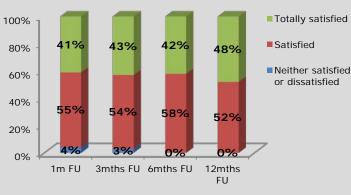
Methods

- 61 patients treated with burst stimulation in patients with chronic low back and leg pain.
- Evaluation at baseline and after 3,6,12 months from permanent implant.
- VAS, EQ-5D and adverse events were collected.
- After IPG placement (Prodigy System St. Jude Neuromodulation, Plano, TX), burst stimulation was switched on in all patients.





Patients' satisfaction with burst stimulation



Conclusion

Vas score and EQ-5D

8.4

Baseline

1m FU

Burst stimulation significantly improved pain relief and quality of life in a long term follow up. Paresthesia seemed not necessary for pain relief. Burst stimulation seems to be an effective and well tolerated treatment for chronic low back and leg pain

VAS

2,7

0,68

3mths FU 6mths FU 12mths FU

EQ-5D

2.5

0.71