

## **Poster Session 1: Friday June 20<sup>th</sup> from 10:05 – 10:30**

1. 12-month Outcomes with a flexible Closed Loop Spinal Cord Stimulation System from the AUS CL-SCS Study
2. 1-Year Outcomes of Motor Evoked Potential-Guided Subthalamic Nucleus Deep Brain Stimulation Surgery in Parkinson's Disease: General versus Local Anesthesia
3. A Nursing Care Directive for Deep Brain Stimulation
4. A qualitative study on the combined activity-based therapy and transcutaneous cervical spinal cord stimulation for upper limb recovery: Perspectives of people with cervical spinal cord injuries
5. A randomized controlled double-blind study of sub-paresthesia spinal cord stimulation in neuropathic pain
6. A systematic review to assess clinical utility of composite outcomes in studies assessing outcomes of implantable neuromodulation therapies for pain
7. Activity-Based Therapy Combined with Transcutaneous Cervical Spinal Cord Stimulation for Neurorestoration of Upper Limb Function After Cervical Spinal Cord: Intervention components and protocol
8. ADAPT-PD Clinical Trial: Programming adaptive deep brain stimulation in the clinic
9. Assessing the effectiveness of high frequency repetitive transcranial magnetic stimulation for post-mastectomy pain in breast cancer patients: A randomized controlled trial
10. Bridging the gap between expectations and reality: the role of pre-implant neuromodulation education in improving outcomes of spinal cord stimulation for pain
11. Case Report: Deep Brain Stimulation Of The Trigeminal Tract For Trigeminal Neuralgia Secondary To A Pontine Lesion
12. Characterizing the Hysteresis Effect in Spinal Cord Stimulation for Chronic Pain Management
13. Closed Loop Spinal Cord Stimulation for Various Chronic Pain Conditions: Patient Outcomes and Practitioner Experiences in a Canadian Centre

## **Poster Session 2: Friday June 20<sup>th</sup> from 15:00 - 1530**

14. Continuous Sphenopalatine Ganglion Stimulation with the Abbott DRG System: A Novel Strategy for Refractory Cluster Headache
15. Correlation of intraoperative compound muscle action potential with electrode localization in minimally invasive SCS paddle electrode placements
16. Deep Brain Stimulation for Tremor Management in Klinefelter Syndrome: Insights from a Systematic Review and Case Report
17. Deep Brain Stimulation in Refractory Epilepsy: Insights from a Retrospective Clinical Cohort
18. Direct assessment of muscle activation during spinal cord stimulation using automated artifact removal
19. Does Intrathecal Pump Therapy Reduce Systemic Morphine Equivalent Daily Dose in Patients with Chronic Cancer Pain? A Single Centre Retrospective Analysis
20. "Doing the same thing over and over again and expecting different results" – Insanity or Improvement? Outcomes of Re-Trialing Different Spinal Cord Stimulation Systems
21. Double-electrode deep brain stimulation of the globus pallidus internus (anteromedial and posteroventral) in an adult patient with Lesch-Nyhan syndrome
22. EEG-Based Evaluation of Brain Activity Modulation Through Deep Brain Stimulation in Parkinson's Disease
23. Effects of a Novel Combined Neuromodulation Therapy on Balance Recovery and Neuroplasticity After Incomplete Spinal Cord Injury: A Randomized Controlled Trial
24. Effects of Combined Activity-Based Therapy and Transcutaneous Spinal Cord Stimulation on Spinal Network Excitability in Traumatic Cervical Spinal Cord Injury: Two Case Reports
25. Endoscopic Spinal Cord Stimulator Paddle Electrode Implantation: A Review of Techniques and Feasibility"
26. Enhancing upper limb recovery with a combined activity-based therapy and transcutaneous spinal cord stimulation: co-development of a protocol to intensify and supplement in-patient care for individuals with subacute spinal cord injury

### **Poster Session 3: Saturday June 21<sup>st</sup> from 10:05 – 10:30**

27. Evaluating the utility of holistic composite outcome measures in comparison to unidimensional pain scores in patients who receive spinal cord stimulation for pain.
28. Feasibility of combined activity-based therapy and transcutaneous spinal cord stimulation for upper limb rehabilitation in individuals with sub-acute spinal cord injury
29. Feasibility of Performing Two Image-Guided Deep Brain Stimulation Surgeries in a Single Day Using Intraoperative CT Navigation
30. Gait training combined with transcutaneous spinal stimulation to enhance lower limbs motor recovery in people with spinal cord injury: Pilot Study
31. Geographic Disparities in Access to Spinal Cord Stimulation for Chronic Pain: A Retrospective Cohort Study
32. How was it for you: are numerical rating scale pain scores reliable for evaluating outcomes of implanted neuromodulation therapies?
33. Hysteresis in Neuromodulation: A Literature Review on Adaptive Programming in Spinal Cord and Subcutaneous Stimulation for Chronic Pain
34. Implantation of peripheral trigeminal nerve field stimulation electrodes under local anesthesia: a simple and well-tolerated approach for neuromodulation trials in patients with refractory facial pain
35. Interventional pain management in refractory angina – long-term Prague experience
36. Investigating ipsilateral hand control using neuromodulation and neural activity in the forelimb motor cortex in rats
37. Lateral Spinal Cord Stimulation for Focal Neuropathic Pain: A Single Centre Retrospective Review
38. Long-Term Outcomes of Occipital Nerve Stimulation for Refractory Craniofacial Pain
39. Management of Lumbar Radicular Pain with Bupivacaine Delivered to the Dorsal Root Ganglion Using a Repurposed Intrathecal Pump: A Case Series
40. Minimally Invasive Approaches for Epidural Electrode Implantation: Introduction of the Split Lamina Laminotomy Technique Under Local Anesthesia

**Poster Session 4: Saturday June 21st from 14:45 – 15:15**

41. Modulation of leg trajectory by transcranial magnetic stimulation during walking.
42. Neuromodulation through Rhythmic Arm Movements: Effects on Spinal Excitability in Healthy and Stroke Populations
43. Nociceptive Electrophysiological Biomarkers in the Subthalamic Nucleus: Insights from Sensing-Enabled Deep Brain Stimulation in Parkinson's Disease
44. Online HD-tRNS over the Right Temporoparietal Junction Enhances Mentalizing during Social Interactions
45. Partage d'expérience en contexte clinique : étude sur l'effet de vidéos témoignages pour des patients candidats à la neurostimulation.
46. Peripheral Field Stimulation for Chronic Low Back Pain: Insights from a Systematic Review and Single-Center Study
47. Predicting Programming Thresholds in Subthalamic Nucleus Deep Brain Stimulation using Intraoperative Motor Evoked Potentials: General versus Local Anesthesia
48. Should smoking be an exclusion criterion for spinal cord stimulation?
49. Spinal cord stimulation for chronic pain: a retrospective cohort study – from a Canadian perspective
50. Successful Spinal Cord Stimulation for Severe Medication-Refractory Restless Legs Syndrome – Nursing Perspective
51. The Role of Quantitative Sensory Testing (QST) in predicting outcomes for Spinal Cord Stimulation (SCS) for Neuropathic Pain: A Systematic Review
52. Trial-Free Spinal Cord Stimulation with Intraoperative Electromyography Monitoring: A Single-Stage Approach
53. Ultrasound-guided pulsed radiofrequency stimulation of the sciatic nerve for chronic neuropathic pain: pilot results from a prospective, observational study
54. Will you sign up?: A Prospective Preference Assessment Survey on Patient Willingness to Participate in a Blinded Trial Comparing Spinal Cord Stimulation against Placebo Stimulation