



NEUROTECHNOLOGY FUNDAMENTALS AND EMERGING DEVICES FOR THE TREATMENT OF PARALYSIS

Introduction to Neurotechnology: Jennifer French & George Fulk. Description: This session will provide an overview of neurotechnology, the developments in the past to the present, categories and application of devices and therapies.

User Demonstration and Practitioner Testimonials: Description: This session will offer demonstrations of select devices, user experiences and the explanation of the physiology and application of the device.

Respiratory Therapy – Wendy Smith McBrayer and Laszlo Nagy

Neural Prosthesis - Keith McBride and Lorrie Hemerly

NeuroRehabilitation Exercise – Patrick Jacobs and Jenny & Michael Thomas

Future Developments in Devices Description: This session will provide three examples of devices that are in various stages of development

Restoring Urinary Tract Function using Nerve Cuff Electrodes – Dr. Paul Yoo.

Oscillating Frequency Stimulation - Dr. Beverly Walters, MD

Implantable Microstimulator System - David Hankin

Discussion – Barriers for Acceptance: Jennifer French, et al. Description: This session will engage discussion and exchange of ideas focusing on practical application of devices, barriers to access and delivery and how future scientific developments may be improved.

Resources for your practice and patients