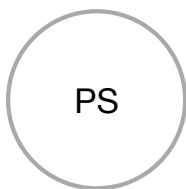Instructional Course   Technology   Brain Injury   Clinical Practice   Measurement   Neuroplasticity

Pain Rehabilitation   Pediatric Rehabilitation

IC28: The Abcs of SEMG- biofeedback in Physical Rehabilitation

📅 Sunday, October 29, 2023   🕐 1:30 PM – 5:30 PM   📍 Location: 214

Presenter(s)

Pia Stampe, PT, DPT (she/her/hers)

Physical Therapist, consultant, educator
Pia Stampe CP Consulting, LLC, California, United States

Geva Antopolsky, BPT (he/him/his)

Product manager
Thought Technology
Montréal, Quebec, Canada

Learning Objectives:

- Upon completion, participant will demonstrate understanding of the SEMG signal properties and the meaning thereof
- Upon completion, participant will be able to use sound clinical reasoning to decide when the inclusion of SEMG biofeedback in rehabilitation is called for
- Upon completion, participant will operate various types of SEMG equipment and perform basic sessions

SEMG Biofeedback is a simple, non-invasive, quick and easy modality which fits the concepts of physical rehabilitation like aglove
It is patient empowering, patient centered and active. It teaches self regulation and allows the patient to take control of their own recovery. It is evidence based, and is a crucial tool in

supplying feedback that can sometimes not be acknowledged otherwise. Moreover, the signal is measurable, quantifiable and meaningful in assessing neuromuscular condition and progression. animations, music and games give entertainment value, contributing to patient adherence and participation.

In this workshop we intend to educate participants about the basics of the modality, the signal and and its variables, and demonstrate the usefulness, and simplicity of it