

Rehabilitating Lower Motor Neuron Damage with Interactive Metronome



Course Description:

To understand and adapt the Interactive Metronome technology, the rehabilitation professional must have a good understanding of the benefits of the IM program related to the anatomy, physiology and limitations caused by lower motor neuron damage. With a good knowledge of the impact of IM on peripheral nerves and the neuromuscular balance deficits and pain they cause, the clinician can develop a candidacy for the program and adapt the technology appropriately. *This course is not offered for contact hours/CEUs.*

Target Audience:

- Occupational Therapist
- Occupational Therapy Assistant
- Physical Therapist
- Physical Therapy Assistant
- Athletic Trainer
- Licensed Medical Professional

Learning Outcomes:

Upon completion of this course, participants will be able to:

- Demonstrate understanding of neuron damage and healing after injury and the value of using IM in the discipline-specific assessment for these clients;
- Utilize IM as an assessment tool for Lower Motor Neuron injuries;
- Adapt IM settings to facilitate patient progress and reproduce various best practices for the treatment of lower motor neuron injuries.

**Note: This course covers information that pertains to licensed therapists and therapy assistants. OTA and PTA professionals must practice IM under the supervision of a licensed OT or PT.*

Instructor:

Andrew Dillen Hartley, OTR/L graduated from the University of Pretoria, South Africa, school of Occupational Therapy in 1995 and moved to the USA in 1996. He is co-owner of Advanced Therapy Solutions, Inc, an outpatient Physical and Occupational Therapy practice serving clients of all ages in five locations. Mr. Hartley has 14 years of clinical experience and is trained in multiple treatment approaches with both adults and pediatrics. His interests include the treatment of deficits related to stroke, traumatic brain injury, Autism, development disorders, sensory processing disorders, ADHD, ADD and learning disabilities in infants, children and adults. His experience with sensory integration, neuromuscular re-education, brain gym, vision therapy, environmental adaptation, Tai-Chi, yoga and technology based treatment approaches for all ages has served him well as a presenter of certification courses, webinars and professional seminars. Mr. Hartley serves as a clinical advisor for Interactive Metronome and other "Therapy based" companies in research, protocol and practice development areas.

Instructor Financial Disclosure(s): Dillen is an active member of Interactive Metronome's Clinical Advisory Board, for which he receives an annual honorarium from Interactive Metronome, Inc. He is the author/co-author of numerous courses that focus on the clinical application of Interactive Metronome technology, for which he has received honoraria from Interactive Metronome, Inc. Dillen does not receive royalties or any other form of compensation for the continued publication and use of educational materials he has authored/coauthored. Dillen is also an instructor for Interactive Metronome, for which he receives a fee for teaching each course and reimbursement of travel expenses from Interactive Metronome, Inc. Dillen does not sell or receive compensation for the sale of Interactive Metronome products.

Instructor Nonfinancial Disclosure(s): Dillen co-owner of Advanced Therapy Solutions where Interactive Metronome is used in clinical practice.

Course Content Disclosure:

The Interactive Metronome, Inc. has developed and patented a licensed technology trademarked as the Interactive Metronome®. (U.S. Patents #4,919,030; #5,529,498; #5,743,744; #6,719,690; other U.S. and foreign patents pending) Interactive Metronome, Inc. is the sole source of the following products: Interactive Metronome®, Gait Mate® and IM Home®. Because there are no other like-kind products available, course offerings will only cover information that pertains to the effective and safe use of the above-named products.

Agenda (60 minutes):

- Speaker introduction & disclosure
- Types of Nerve Damage
 - Neuropraxia
 - Axonotmesis
 - Neurotmesis
 - Peripheral Neuropathy
- Contraindications for Interactive Metronome (IM)
- Purpose & rationale for use of IM to rehabilitate the aforementioned conditions
- Assessment
- Videos: IM training

Instructional Methods:

LECTURE, PPT, PHOTOS, VIDEOS

Contact Hours/CEUs:

This course is not offered for contact hours/CEUs.