Treat Core Timing Skills for Better SLP Treatment Outcomes

How Incorporating Interactive Metronome® into SLP Practice Improves Timing & Synchronization of Critical Neural Networks for Speech, Language, and Cognitive–Communicative Abilities

Course Description:
Synchronous timing of neural networks is critical for the core skills of attention, working memory, processing accuracy/speed, and executive functions that underlie speech, language and cognitive-communicative function in people of all ages.   Researchers have identified that many of the individuals we see for SLP services exhibit impaired neural timing & synchronization, including those diagnosed with Dyslexia and other reading disorders, Autism, Sensory Processing Disorder, Attention Deficit Hyperactivity Disorder, Aphasia associated with stroke and acquired brain injury, cognitive-communicative impairments associated with traumatic and acquired brain injury, and cognitive and motor planning/sequencing impairments seen in Parkinson's disease. This informative presentation will introduce you to a patented, non-invasive biometric technology, called the Interactive Metronome, that is specifically designed to help you objectively evaluate and treat this underlying impairment in timing & rhythm in order to achieve better SLP treatment outcomes.
This course is not offered for contact hours/CEUs.

Target Audience:
This course welcomes the following professionals who have completed the Interactive Metronome Certification Course.
- Speech and Language Pathologist
- Speech and Language Pathology Asst

Instructional Level:
Introductory

Learning Outcomes:
- Describe the impact of neural network timing & synchronization on speech, language, and cognitive-communicative abilities; List five diagnoses commonly seen in SLP clinical practice that scientists have associated with impaired neural network timing & synchronization;
- Discuss critical differences between a standard metronome or music and the Interactive Metronome on treatment outcomes with regard to speech, language, and cognitive-communicative abilities;
- Briefly explain the effect of synchronized metronome tapping on domain-general versus domain-specific learning mechanisms;
- Locate additional resources to make evidence-based clinical decisions about incorporating treatment for timing & rhythm into Speech-Language Pathology practice.

Note: This course covers information that pertains to licensed therapists and therapy assistants. SLPA professionals must practice IM under the supervision of a licensed SLP.

Instructor:
Amy Vega, MS, CCC-SLP received her master's degree in Speech-Language Pathology from the University of South Florida in 1994 and holds the Certificate of Clinical Competency from the American Speech Language & Hearing Association (ASHA). In clinical practice, she specialized in adolescent and adult rehabilitation for patients diagnosed with traumatic brain injury, stroke, epilepsy, brain tumor & and other disease processes that affect communication, cognition, and behavior. She currently serves as Director of both the Clinical Education Department and the Clinical Advisory Board for Interactive Metronome, Inc. and is their Continuing Education Administrator. She provides clinical support to Interactive Metronome (IM) providers globally, serves as Editor in Chief for IM's clinical publications, develops IM certification & training materials, and is the master-trainer for IM certification instructors.

Disclosures:
Instructor Financial Disclosure(s): Amy is an employee of Interactive Metronome, Inc (IM). She receives a salary for her role as IM Clinical Education Director, CE Administrator, and IM Clinical Advisory Board Director from Interactive Metronome, Inc. She has also received limited shares of IM stock as compensation from Interactive Metronome, Inc. Amy has authored/coauthored IM training modules for which she received honoraria from Interactive Metronome, Inc. She does not receive royalties or any other form of compensation for the continued publication and use of educational materials she has authored/coauthored. When traveling for business-related purposes, she receives reimbursement for travel expenses from Interactive Metronome, Inc. Amy does not sell or receive compensation for the sale of Interactive Metronome products.

Instructor Nonfinancial Disclosure(s): Amy does not have any relevant nonfinancial relationships to disclose.

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®. The purpose of this course is solely educational. Because there are no other like-kind products available, this course will only cover information that pertains to the effective and safe use of the above-named products and is not intended to promote the business or product in any way.

Course Origination Date*: 6/26/2014
*Course content is reviewed annually to make sure it remains current and relevant to the practice of Interactive Metronome.

Agenda (60 minutes):
- Speaker introduction & disclosure
- Introduction and Overview
- Neural Network Timing & Synchronization: Relevance to SLP Practice
- Interactive Metronome: Overview & Demonstration of Biometric Technology to Measure & Improve Neural Timing & Synchronization
- Evidence-Based Practice:
  - Autism Spectrum Disorders (ASD)
  - Sensory Processing Disorder (SPD)
  - Developmental Disorders, ADHD & Academic Achievement
  - Traumatic Brain Injury (TBI)
  - Aphasia
- How & Why Does Synchronized Metronome Tapping Work? Effect on Domain-General versus Domain – Specific Learning Mechanisms
- Candidacy for Timing & Rhythm Intervention, Dosage & Insurance Reimbursement
- Online post-test & course evaluation

Instructional Methods:
LECTURE, PPT, VIDEO, CASE STUDY

Contact Hours/CEUs:
This course is not offered for contact hours/CEUs.