Improve OT Treatment Outcomes by Treating Core Timing Skills: How Incorporating Research Based Interactive Metronome® Treatment into OT Practice Improves Timing & Synchronization of Critical Neural Networks for Motor Skill Development, Sensory Integration, Coordination, Cognition, and Developmental Milestone attainment.

Course Description:
Synchronous timing of neural networks is critical for the core skills of motor coordination, attention, working memory, and executive functions that underlie functional coordination to participate and carry out daily activities in people of all ages. Researchers have identified that many of the individuals we see for OT services exhibit impaired neural timing & synchronization, including those diagnosed with Autism, Sensory Processing Disorder, Attention Deficit Hyperactivity Disorder, motor impairments associated with stroke and acquired brain injury, oral motor deficits, 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 OT treatment outcomes.

*Contact hours are offered pending successful completion of a written exam at the end of the course.

Target Audience:
This webinar welcomes the following professionals who have completed the Interactive Metronome Certification Course.
• Occupational Therapist
• Certified Occupational Therapy Asst

Instructional Level:
Introductory

Learning Outcomes:
As a result of this Continuing Education Activity, readers will be able to:
1) Describe the impact of neural network timing & synchronization on motor, sensory, and functional abilities
2) List five diagnoses commonly seen in OT clinical practice that scientist have associated with impaired neural network timing & synchronization
3) Discuss critical differences between a standard metronome or music and the Interactive Metronome on treatment outcomes with regard to motor, sensory, and functional abilities
4) Briefly explain the effect of synchronized metronome tapping on domain-general versus domain-specific learning mechanisms
5) Locate additional resources to make evidence-based clinical decisions about incorporating treatment for timing & rhythm into Occupational Therapy practice

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

Instructor:
April Christopherson, OTR/L has been an Occupational Therapist for almost 20 years and has worked with diverse populations in a variety of settings – including home health, private clinic and in-patient rehabilitation. She is the owner of MaxAchieve, Inc. in Colorado Springs, CO where her current clientele range from pediatrics to adults to high performance athletes, both stateside and internationally. She believes in a whole, team approach to the client – including various medical professionals and therapists plus the use of functional neurology and metabolic/nutrition counseling. She also works exclusively with the Shandy Clinic in Colorado Springs, CO providing solutions to families with children suffering from Autism, Asperger’s, ADHD, and other diagnoses. April has worked as a legal consultant and as an expert witness throughout the United States. April was granted her degrees in Occupational Therapy and Psychology from St Ambrose University in Davenport, IA in 1991.

Disclosures:
Instructor Financial Disclosure(s): April is the author of course materials that focus on the clinical application of Interactive Metronome technology, for which she has received honoraria. She does not receive royalties or any other form of compensation for the continued publication and use of educational materials she has authored. April is also an instructor for Interactive Metronome, for which she receives a fee for teaching each course and reimbursement of travel expenses. April does not sell or receive compensation for the sale of Interactive Metronome products. She is the owner of MaxAchieve, Inc. in Colorado Springs, CO and uses Interactive Metronome in her practice.

Instructor Nonfinancial Disclosure(s): April periodically contributes blog posts to www.interactivemetronome.com that are clinical in nature. She does not receive compensation for this.

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
- Introduction and Overview
- Neural Network Timing & Synchronization: Relevance to OT 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)
  - Oral Motor Delays
- Candidacy for Timing & Rhythm Intervention, Dosage & Insurance Reimbursement
- Online post-test & course evaluation

CEUs Offered for:
0.1 AOTA (OT/COTA)

Interactive Metronome is approved by the Continuing Education board of AOTA to provide continuing education activities in occupational therapy. This program is offered for 0.1 CEUs (Introductory Level). The assignment of AOTA CEUs does not imply endorsement of specific course content, products, or clinical procedures by AOTA.