

# Improving Visual Processing & Executive Skills with IM



## Course Description:

Interactive Metronome (IM) is a unique application of technology that has been shown in clinical research to improve cognitive, linguistic, motor, and behavioral functioning through its impact on the brain's timing mechanisms. Part 2 of this advanced training in Interactive Metronome will enhance clinicians' assessment and treatment outcomes for visual attention, processing, & executive functioning, critical components in reading comprehension, balance, and functional independence through use of supplemental visual stimuli and various visual treatment tasks that are combined with the Interactive Metronome reference tone and guide sounds. Rationale, candidacy, pre & post assessment, specific IM treatment tasks, and auditory-visual IM treatment hierarchy will be discussed. **PREREQUISITE:** Participants of this course must first take Part I titled: Improving Visual Attention & Processing with Visual Only IM. *This course is not offered for contact hours/CEUs.*

## Target Audience:

- Speech and Language Pathologist
- Speech and Language Pathology Assistant
- Audiologist
- Occupational Therapist
- Occupational Therapy Assistant
- Physical Therapist
- Physical Therapy Assistant
- Athletic Trainer
- Licensed Medical, Rehabilitation or Mental Health Professional
- Music Therapist
- Educator

## Learning Outcomes:

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

1. State a rationale for introducing supplementary visual tasks during Interactive Metronome (IM) treatment to improve visual attention & processing skills necessary for balance and functional independence;
2. Demonstrate evidenced-based practice through appropriate use of objective pre & post treatment assessments;
3. And creatively implement an appropriate visual attention, processing, & executive function treatment hierarchy.

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

## Specific Learning Outcomes for Speech-Language Pathologists & Audiologists:

1. State a rationale for introducing supplementary treatment tasks during IM treatment to improve visual attention, processing, & executive function skills necessary for many aspects of communication and learning;
2. Demonstrate evidenced-based practice through appropriate use of objective speech-language and cognitive-linguistic pre & post treatment assessments;
3. And creatively implement an appropriate visual attention, processing, & executive function treatment hierarchy to remediate communication and learning impairments.

*\*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). She specializes 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 IM providers globally, serves as Editor in Chief for IM's clinical publications and website FAQ/Best Practices search engine, develops IM certification 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, Clinical Instructor, and IM Clinical Advisory Board Director from Interactive Metronome, Inc. She has also received limited shares of 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 teaching, she receives a fee and reimbursement of 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®. 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
- Visual-Auditory IM Training – Impact on Visual Attention, Visual Processing, & Executive Skills
- Clinical Rationale for Supplementing IM Training with Specific Visual-Auditory Exercises
- Supplementary Exercises: Description, Clinical Implementation
- Treatment Hierarchy for Optimal Outcomes
- Measuring Treatment Outcomes

**Instructional Methods:**

LECTURE, PPT, PHOTOS, CASE STUDY

**Contact Hours/CEUs:**

This course is not offered for contact hours/CEUs.