

An Introduction and Practical Guide to the Effective Treatment of Autism with IM



Discover how timing & rhythm training has a relatively fast and profound impact on the symptoms of Autism, and learn clinically proven strategies to effectively implement Interactive Metronome (IM) with individuals on the Autism Spectrum.

Course Description

Autism challenges the individual, their family, the community and the practitioner. The complexity and variety of symptoms that define Autism Spectrum Disorders (ASD) require service providers to constantly update their knowledge and skills to best serve these individuals. Sensorimotor synchronization training with Interactive Metronome (IM), as part of a comprehensive treatment plan, has the potential to directly and positively influence the person's ability to learn and engage with the world around him. This course will introduce practitioners to new advances in our understanding of ASD, including the pivotal role of timing and rhythm for speech, language, pragmatic, cognitive, motor and sensory processing skills. Participants will learn strategies to evaluate the unique strengths and needs of each individual with ASD as well as how to develop and implement effective IM training with consideration for communication, sensory, motor and behavioral challenges. The expert presenter will incorporate several videos and real examples to illustrate techniques. *Contact hours/ASHA and AOTA CEUs are offered pending successful completion of a written exam at the end of the course.*

Target Audience

This course welcomes the following professionals:

- 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

Instructional Level

Introductory

Learning Outcomes

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

- Discuss current research related to treatment and brain-based motor, cognitive, language and speech patterns that define Autism Spectrum Disorders (ASD);
- List the criteria for an effective IM program for individuals with ASD, including concepts such as clinical approach, frequency, duration, home program development, parent training and overall importance of neurophysiology in supporting functional change;
- Describe tools and techniques for evaluating the individual with ASD in order to identify strengths, weaknesses and necessary adaptations to IM training for success;
- Cite factors that may impact successful IM training for persons with ASD;
- Explain specific techniques and strategies to target neurological patterns and challenges that affect speech, language, cognition, attention, sensory processing and motor performance of the individual with ASD;
- Identify external factors that may influence IM training effectiveness and generalization of functional skills such as ancillary treatment programs, nutrition, caregiver training and the value of IM Home in eliciting permanent change.

***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.**

Learning Outcomes for Speech-Language Pathologists and Audiologists:

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

- Discuss current research related to treatment and brain-based motor, cognitive, language and speech patterns that define Autism Spectrum Disorders (ASD);
- List the criteria for an effective IM program for individuals with ASD, including concepts such as clinical approach, frequency, duration, home program development, parent training and overall importance of neurophysiology in supporting functional change;
- Describe tools and techniques for evaluating the individual with ASD in order to identify strengths, weaknesses and necessary adaptations to IM training for success;
- Cite factors that may impact successful IM training for persons with ASD;
- Explain specific techniques and strategies to target neurological patterns and challenges that affect speech, language, cognition, attention, sensory processing and motor performance of the individual with ASD;
- Identify external factors that may influence IM training effectiveness and generalization of functional skills such as ancillary treatment programs, nutrition, caregiver training and the value of IM Home in eliciting permanent change.

***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.**

Agenda (2 hours):

TIME	CONTENT
10 minutes	Introduction and review of course objectives
10 minutes	Review of the most current research on timing, rhythm and Autism Spectrum Disorders (ASD)
10 minutes	Characteristics of an effective IM training program for individuals with ASD
15 minutes	Conducting the IM assessment with a person who has ASD
10 minutes	Developing an effective IM training plan for the person with ASD
10 minutes	Preparing & setting up the treatment environment for the person with ASD
25 minutes	Implementing individualized IM training and treatment techniques that work well for individuals with ASD
10 minutes	Educating the person with ASD and stakeholders regarding the benefit of IM training and home programming
10 minutes	Question and answer
10 minutes	Exam and course evaluation

Instructional Methods:

LECTURE, PPT, CASE STUDY, PHOTOS, VIDEOS, QUESTION AND ANSWER

Contact Hours/ASHA and AOTA CEUs:

0.2 ASHA (2 contact hours)

0.2 AOTA/ 2.5 NBCOT PDUs (2 contact hours)

PT/PTA & Other Disciplines Not Listed Above: If your discipline or state is not listed above, you may submit paperwork to your state board or association for CEUs if they allow you to do so. Please check with your state board/association prior to registering for this course.

This is not a co-sponsored or cooperative course offering. Interactive Metronome, Inc. is the organization responsible for creating the content & awarding AOTA CEUs.

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.

Education Department Contact Info: imcourses@interactivemetronome.com, 877-994-6776 opt 3 (US Only), 954-385-4660 opt 3, Fax: 954-385-4674

Instructor Nonfinancial Disclosure(s): Dillen uses the Interactive Metronome in clinical practice at Advanced Therapy Solutions.

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; #9,747,880 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.

Course Origination Date*: 4/11/19

*This course is updated annually with information pertaining to the most current hardware/software, research & clinical/academic applications.



Interactive Metronome is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language pathology and audiology. See course information for number of ASHA CEUs, instructional level and content area. ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.

This course is offered for 0.2 ASHA CEUs (Introductory level, Professional area).

Effective July 1, 2011, individuals must meet at least one of the following conditions in order to be eligible to earn ASHA CEUs.

- ASHA Member (includes Life member and International affiliates)
- ASHA Certificate of Clinical Competence (CCC) Holder
- Licensed by a state or provincial regulatory agency to practice speech-language pathology (SLP) or audiology
- Credentialed by a state regulatory agency to practice SLP or audiology
- Credentialed by a national regulatory agency to practice SLP or audiology
- Currently enrolled in a masters or doctoral program in SLP or audiology



Interactive Metronome, Inc is an AOTA Approved Provider (#4683). This introductory course is offered for 2 contact hours/ .2 AOTA CEUs (Classification Codes - Domain of OT-ACTIVITY DEMANDS, OT Process-EVALUATION, INTERVENTION). The assignment of AOTA CEUs does not imply endorsement of specific course content, products, or clinical procedures by AOTA.