

# Using IM to Rehabilitate Cognitive-Communicative Abilities



## Course Description:

Many patients present with developmental or acquired cognitive-communicative deficits that affect their daily productivity and their ability to relate to others effectively. A significant number of these patients are functioning at a higher level despite deficits that interfere with work and home life. They quickly plateau in response to traditional cognitive-communicative therapy approaches. These patients are perfect candidates for integrating Interactive Metronome (IM) into rehabilitation in order to target executive functions, memory, thought organization, and various levels of attention/concentration by addressing critical mental timing, rhythm & neural synchronization (AKA temporal processing). Introducing more advanced cognitive-communicative exercises along with Interactive Metronome at the right time in the rehabilitation process can facilitate faster recover of function and return to the community. *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
- Licensed Medical, Rehabilitation or Mental Health Professional
- Music Therapist
- Educator

## Learning Outcomes:

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

- Identify patients with cognitive-communicative deficits that will benefit from combined remediation that includes cognitive-communicative exercises and Interactive Metronome;
- Administer and adapt exercises for the remediation of cognitive-communicative impairments that combine traditional therapeutic approaches with training for timing & rhythm to facilitate neural synchronization of key neural networks for speech, language and cognitive abilities.

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

## Instructor:

**Claire Nicole Smith-Rae, MS, CCC-SLP (Nikki)** is a speech-language pathologist. She graduated from the University of South Florida with a Master's in Communication Sciences and Disorders in 2001. Nikki participated in a five-part research thesis, chaired by Dr. Elaine Silliman, that examined the relationship between African-American English and phonological processing. Nikki specializes in pediatrics and currently works at a rehabilitation hospital where she treats children and adults with a variety of diagnoses. She also helps facilitate their Brain Injury Support Group. She has been certified in Interactive Metronome (IM) since 2006 and has used it with many of her pediatric and adult patients with much success.

## Disclosures:

**Instructor Financial Disclosure(s):** Nikki is a past member of Interactive Metronome's Clinical Advisory Board, for which she has received an annual honorarium from Interactive Metronome, Inc. She is the author/co-author of courses that focus on the clinical application of Interactive Metronome technology, for which she has 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. Nikki has been an instructor for Interactive Metronome, for which she has received fees for teaching and reimbursement of travel expenses from Interactive Metronome, Inc. She does not sell or receive compensation for the sale of Interactive Metronome products.

**Instructor Nonfinancial Disclosure(s):** Nikki is employed by HealthSouth of Largo where she uses Interactive Metronome in clinical practice.

## Course Content Disclosure:

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**Agenda (60 minutes):**

- Speaker introduction & disclosure
- Cognitive-Linguistic Connection
- Assessment of Cognition
- Assessment of Language/Communication
- Dysfunction of Cognition & Language
- Candidates for Advanced IM Tasks
- Introducing More Advanced Tasks
- Behavioral & Psychological Considerations
- Advanced Task Hierarchy
- Increasing the Challenge
- Executive Function Goals
- Why Incorporate Advanced Tasks into IM Training
- Demonstrating Progress
- Case Examples

**Instructional Methods:**

LECTURE, PPT

**Contact Hours/CEUs:**

This course is not offered for contact hours/CEUs.