



Train the Brain!

Motor Learning Principles to Promote Neuroplasticity **in Children and Youth with Disabilities**

Monday, March 18, 2019, Concordia University-Mequon, WI

Course Description

This workshop will provide the latest evidence in motor learning principles (MLPs) for children with and without disabilities. The presenter will discuss the research findings and rationale behind such principles as the provision of verbal instruction, demonstration, feedback, variability, errorless training, frequency, specificity and salience. Participants will learn how to incorporate these principles in the child's therapeutic intervention and daily routine to help with generalization of skills and improve participation at home, in school and in the community. The speaker will describe the application of MLPs in children with the most common childhood diagnoses so participants can translate what they learned from the session into real-life practice. To further promote generalization of skills, the speaker will discuss how to use a motor learning framework during collaborative consultations with educators to design an MLP-rich environment in school.

Course Agenda

8:30 am Motor Learning (lecture)

- Definition
- Assessment
- Motor Learning Principles (MLPs) & Children

9:15 am Selecting the Task (lecture, group activity)

- Specificity
- Salience
- Application

10:15 am Break

10:30 am Designing the Task and the Environment (lecture, group activity)

- Frequency
- Errorless Training
- Variability
- Autonomy
- Application

11:30 am Teaching the Task (lecture, group activity)

- Verbal Instruction

12:00 pm Lunch

1:00 pm Teaching the Task, continued (lecture, group activity)

- Feedback
- Demonstration
- Application

1:30 pm MLPs and Common Diagnoses

2:00 pm Break

2:15 pm Collaborative Consultation: Designing a Motor Learning Principle- Rich Environment

- Selecting the Task: Collaborative Goal
- Designing the Task and the Environment
- Teaching the Task

3:30 pm Collaborative Consultation: Case Discussions

4:00 pm Adjourn

Course Objectives

At the end of this sessions participants will be expected to

1. Differentiate the 3 ways of assessing motor learning (acquisition, retention and transfer of skills)
2. Describe the latest evidence with regards to at least 6 motor learning principles
3. Apply at least 6 motor learning principles in selecting, designing and teaching motor tasks on a case study
4. Design a motor-learning-principle-rich school environment, incorporating at least 5 motor learning principles on a case study

Materials Provided: PPT handout (PDF to be distributed by host); List of References and Resources; Clinical Reasoning Worksheets

Target Audience: PTs, PTAs, OTs, COTAs

Contact Hours: 6 (course meets all requirements for PT and OT licensure)

About the Speaker:

Carlo Vialu, PT, MBA, is a physical therapist serving children and youth with medical complexity. He is a co-author and co-publisher of www.SeekFreaks.com, an evidence-based online resource for pediatric PTs, OTs, and SLPs. He is Founder and Director of www.ApplyEBP.com, a provider of live continuing education and online discussion group school-based and pediatric therapists. From January 2008 to January 2017, he served as Director of Physical Therapy for the New York City Department of Education, where he oversaw a program with over 700 physical therapists working in more than 1,500 schools. Carlo was lead author of a Special Communication on determining a student's need for school-based PT published in *Pediatric Physical Therapy* on October 2017. He is the project manager of research on normative data for five mobility tests for school-aged children, on which his team has published three articles in *Pediatric Physical Therapy*. Carlo presents nationally on various topics, including tests & measures, self-determination for children and youth with disabilities, motor learning, special education, and clinical decision-making.

REGISTRATION FORM

Train the Brain!

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in Children and Youth with Disabilities**

Monday, March 18, 2019, Concordia University—Mequon, WI

Name _____

Address: _____

School/Agency: _____

Phone: _____

***E-Mail:** _____

Occupation: _____

Course Registration Fee: \$115 (includes lunch and light snacks during morning and afternoon breaks)

Payment by Check only payable to:

Dominiczak Therapy Associates, LLC

Return registration form and fee to:

Dominiczak Therapy Associates

4002 W. Cherrywood Lane

Brown Deer WI 53209-1002

Deadline for receipt of payment with registration is February 25, 2019. Confirmation will be by **email only***

Refund/Cancellation Policy

DTA reserves the right to cancel this course, in which case all monies paid will be reimbursed.

No refunds will be given for cancellations received after February 25, 2019. An administrative fee of 25% will be retained for cancellations received prior to February 25, 2019. All refunds will be issued after the completion of the course.

Contact Lori Dominiczak: 414-378-3375

loridominiczak@yahoo.com