



New Zealand, 2019: Course title/learning objectives for 1/2-day therapy course:

Maximize neuroplasticity and minimize maladaptive habits in children and teenagers with CP: A systematic, intensive treatment model developed by Pia Stampe, PT, DPT and Karen Pape, MD

This course will provide an overview of human neuroplasticity, emphasizing the impressive recovery advantage of pediatric versus adult brain injury and discuss an intensive and lesion-specific approach to therapy. A wide range of neuroplastic interventions has now been incorporated into the best practice delivery model for adult patients with stroke. Implementation of a similar intensive pediatric service model will be discussed. This course will help participants recognize neuroplastic potential and to institute evidence-based and best practice protocols that can prevent or replace early formed maladaptive movement patterns in cerebral palsy. A systematic model will be presented and application of the model to various existing therapy systems will be addressed.

Learning Objectives

1. The learner will explore biases as to why the expectation for recovery differs in adults versus children with brain injury/cerebral palsy and discuss potential for pediatric neuroplasticity.
2. The learner will learn to align intervention periods and strategies with peak periods of neuroplasticity/brain and body growth.
3. The learner will compare and contrast current intervention systems and their ability to meet lesion-specific, age-specific and neuroplasticity needs.
4. The learner will be able to discuss what optimal results should and could look like for children with cerebral palsy at various stages, including post-surgical and different age groups.
 - 1.

Course length : 1/2 day

Course format:

- Lectures
- Case presentations
- Discussion