

Outline

NEUROANATOMY & BRAIN DEVELOPMENT
Brain stem and functions
Occipital lobe
Temporal lobe
Frontal lobe
Parietal lobe

BRAIN DAMAGE & MISSING PARTS
Neurodevelopmental screens
Examples of damage
What is working and what is not
Where to rewire
Therapy as infants – faster change
Going deep into the brain, beyond the level of damage

BIGGEST CHALLENGES IN DEVELOPMENTAL DELAYS
High tone
Low tone
Nystagmus
Tremors

HOW TO APPROACH TREATMENTS
Developmental milestone review
Sensory motor development
Vision
Vision and hearing
Speech
Sensation
Primitive reflex patterns and influence
Opening the hands for exploration
Developmental delay and when to go back a step in therapy treatments

A NEW PERSPECTIVE ON THE NERVOUS SYSTEM & GUIDING IT FOR POSITIVE CHANGE
Lobes next door
Videos of before and after sensory stimulation combinations
Why vision is vitally important and how it can be stimulated
How these concepts can be explained to parents and caregivers
The brain is clay and how to make a model

THE PRIMARY & SECONDARY RESULTS OF NEUROPLASTICITY TECHNIQUES
Changing the way the brain connects
Primitive reflex integration and increased active movements
The “Team” – patient, therapist, and parent/caregiver
Sensory stimulation to promote appropriate motor response
Smooth movements
Strength is not the same as tone
Simple activities to present to parents

HOW TO INTEGRATE NEUROPLASTICITY INTO YOUR THERAPY PROGRAM
Sensation is 3-dimensional
Climb through the cloth tube
Vision exercises
Sensory stimulation for high tone vs. low tone

Objectives

- 1. Describe the primitive reflexes’ influence on movement patterns.
- 2. Identify the multilayer approach using neuroanatomy and brain function.
- 3. Evaluate strategies to incorporate techniques into home programs for parents and caregivers.
- 4. Recognize the importance of positive treatment sessions and verbal cues.
- 5. Analyze the relationship between brain dysfunction and tone abnormalities.
- 6. Restate different approaches to changing low and high tone qualities.

I’ve already planned to change course of treatment next week and to meet with my team/PT cohorts to implement techniques!

Kristin, OT

Live Seminar & Webcast Schedule
(Times Listed in Central)
7:30 Check-in/Morning Coffee & Tea
8:00 Program begins
11:50-1:00 Lunch (on your own)
4:00 Program ends
There will be two 15-min breaks (mid-morning & mid-afternoon).
Actual lunch and break start times are at the discretion of the speaker.
A more detailed schedule is available upon request.

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NEUROPLASTICITY FOR CHILDREN


Neural Reconnections to Change High & Low Muscle Tone, Tremors, and Reflex Patterns

 Karen Pryor, PhD, PT, DPT,
national presenter and expert in neuroplasticity techniques for children

Appleton, WI
October 10, 2019

Brookfield, WI
October 11, 2019


Live Video Webcast
October 11, 2019



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NEUROPLASTICITY FOR CHILDREN

Neural Reconnections to Change High & Low Muscle Tone, Tremors, and Reflex Patterns

 Karen Pryor, PhD, PT, DPT,
national presenter and expert in neuroplasticity techniques for children


- Evidence-based therapy methods for developmental challenges in vision, sensory, gross and fine motor and speech
- New techniques to drive rewiring information deep into the brain beyond injury sites
- Enhance therapy results with exercise activities that can be integrated into a daily routine at home
- Detour around the injury to produce improved development and motor control

Appleton, WI
Thursday
October 10, 2019

Brookfield, WI
Friday
October 11, 2019

Live Video Webcast
Friday
October 11, 2019

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Change the Brain & the Body Follows

Studies show our brains can be rewired to enhance new learning. In some cases, it acts as an adaptive mechanism to compensate for lost function or maximize remaining function in the event of brain injury. As therapists, when we treat the causes and symptoms of these motor delays, we can utilize alternate brain pathways to improve the effects of therapy. Neuroplasticity changes brain connections and hence, changes motor and cognitive functions. From congenital abnormalities to traumatic brain injuries, this course delivers new and exciting ideas on how to detour around damage and incorporate viable nervous system connections.

Learn how therapy can change the brain and how neuroplasticity can change the challenges in a child's development. With Dr. Karen Pryor as your guide, you gain creative and evidence-based approaches to incorporate into a multisensory experience to drive home the importance of diverse and novel activities during treatment sessions. Both high and low tones are discussed in depth. Video case studies will demonstrate changes before and after integrative neuroplasticity treatments. The therapy techniques learned in this one-day course can be easily integrated into the clinic or home the next day.

Speaker

Karen Pryor, PhD, PT, DPT, has a doctorate in physical therapy and has practiced for 40 years in the field and author of *Ten Fingers Ten Toes: Twenty Things Everyone Needs to Know*. Dr. Pryor is the owner of Health Sphere Wellness Center an integrative therapy clinic in Nashville, Tennessee. Involved with early intervention in the birth-three population for over 35 years, she has developed neuroplasticity techniques that are used in a wide variety of settings, including homes, childcare centers, and school systems, to advance pediatric therapy programs. Dr. Pryor serves on several boards, including the Leadership Interagency Council for Early Intervention, (2014-2019), a position to which she was appointed by Tennessee Governor Bill Haslam. In 2010, she received the President's Volunteer Service Award for her contributions to the advanced treatment of children from President Barack Obama. In addition to her work with children, Dr. Pryor has served as an adjunct professor at the Tennessee State University Occupational Therapy School, and in the Volunteer State Community College Physical Therapy Assistant program. She is a clinical instructor for several universities and colleges. With her years of experience and passion for complete wellness, Dr. Pryor advances a more expansive view of how to integrate therapy throughout the lifespan by using neuroplasticity techniques.

Speaker Disclosures:

Financial: Karen Pryor is owner of Health Sphere Wellness Center. She receives a speaking honorarium from PESI, Inc.
Non-financial: Karen Pryor serves on the Leadership Interagency Council for Early Intervention board.

"I have been a PT for 40 years and I'd say that Dr. Pryor is one of the most innovative, intelligent, and best teachers I have ever experienced! Her class is chock-full of information, but the net effect is that you feel enhanced and capable of applying the knowledge she imparts in a practical way."

Davis, PT

"I felt enhanced and capable of applying the practical strategies Dr. Pryor imparts. She's one of the most innovative teachers I have experienced in 40 years."

Lynn, OT

"With Karen's techniques, I will be able to demonstrate more functional options to treatment that will speed progression."

Tara, SLP

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By Mona M. Delahooke, PhD

In *Beyond Behaviors*, internationally known pediatric psychologist, Dr. Mona Delahooke describes behaviors as the tip of the iceberg, important signals that we should address by seeking to understand a child's individual differences in the context of relational safety. Featuring impactful worksheets and charts, this accessible book offers professionals, educators and parents tools and techniques to reduce behavioral challenges and promote psychological resilience and satisfying, secure relationships.



Calm & Alert:

Yoga and Mindfulness Practices to Teach Self-regulation and Social Skills to Children

By Helene McGlaufflin, MED, LCPC, KYT

Calm and Alert gives classroom teachers, special needs teachers, therapists, yoga teachers and parents an innovative, step-by-step approach to teaching self-regulation and social skills to children by utilizing their body, mind and breath. Developed by an experienced counselor, educator, and yoga teacher, Helene McGlaufflin, Calm & Alert is filled with unique mindfulness exercises, yoga poses and lesson plans to help both typically developing and special needs children.

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