

# Outline

<b>UNDERSTANDING NEUROANATOMY &amp; BRAIN DEVELOPMENT</b> Brain stem and functions Occipital lobe Temporal lobe Frontal lobe Parietal lobe	<b>A NEW PERSPECTIVE ON THE NERVOUS SYSTEM &amp; GUIDING IT FOR POSITIVE CHANGE</b> Lobes next door u 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
<b>BRAIN DAMAGE &amp; MISSING PARTS</b> 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	<b>THE PRIMARY &amp; SECONDARY RESULTS OF NEUROPLASTICITY TECHNIQUES</b> 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
<b>DEVELOPMENTAL DELAYS –</b>	<b>HOW TO INTEGRATE NEUROPLASTICITY INTO YOUR THERAPY PROGRAM</b> Sensation is 3-dimensional Climb through the cloth tube Vision exercises Sensory stimulation for high tone vs. low tone
<b>HOW TO APPROACH TREATMENTS</b> 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	

# 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

**Seminar on DVD or CD Package:** You can purchase a self-study package on the subject. You will receive a set of DVDs & CDs that include a digital copy of the seminar manual and post-test/evaluation. You and your colleagues can receive CE hours for a nominal fee. To determine if homestudy credits are available for your profession go to [www.pesirehab.com](http://www.pesirehab.com) or call 800-844-8260. Check with your licensing board to verify acceptance of self-study credits for license renewal. Order today by using the order form on this brochure or by calling 800-844-8260.

**Hassle-Free Cancellation Policy:** If you contact us before the event date, you can exchange for a DVD/CD digital manual package on the subject (self-study continuing education credit may be available), a certificate to attend another seminar, or receive a tuition refund less a \$30 cancel fee. Substitutions are permitted at any time.

**Have a seminar idea? A manuscript to publish?** The nation’s top speakers and authors contact PESI first. If you are interested in becoming a speaker or have a new topic idea, please contact Meg Mickelson Graf at [mgraf@pesi.com](mailto:mgraf@pesi.com) or call 715-855-8199.



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NEUROPLASTICITY  
FOR CHILDREN

Rewiring for Integration of Primitive  
Reflexes & Developmental Skills

Ellicott City, MD  
Thursday  
April 11, 2019

Live Video Webcast  
Thursday  
April 11, 2019

Fairfax, VA  
Friday  
April 12, 2019

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- Increase your effectiveness in treatment sessions
- 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

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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 38 years in the field. 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 30 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.



PESI Inc. is proud to offer this seminar (at these locations only) **free of charge** (on live seminar tuition) for veterans and active duty military personnel. **Advance registration by phone required.**

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"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."

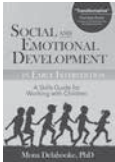
Tara, SLP

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### Social and Emotional Development in Early Intervention

By Mona M. Delahooke, PhD

A groundbreaking resource for the field of early intervention. Illustrated with worksheets, charts and handouts, this reader-friendly book will provide valuable tools to nurture relationships, measure progress, reduce child stress, address challenging behaviors and promote self-regulation.



### 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.

### Live Seminar & Webcast Schedule

(Times listed in Eastern)

**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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**Credits listed below are for full attendance at the live event only.** After attendance has been verified, pre-registered attendees will receive an email from PESI Customer Service with the subject line, "Evaluation and Certificate" within one week. This email will contain a link to complete the seminar evaluation and allow attendees to print, email or download a certificate of completion if in full attendance. For those in partial attendance (arrived late or left early), a letter of attendance is available through that link and an adjusted certificate of completion reflecting partial credit will be issued within 30 days (if your board allows). Please see "LIVE SEMINAR SCHEDULE" on this brochure for full attendance start and end times. NOTE: Boards do not allow credit for breaks or lunch.

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Materials that are included in this course may include interventions and modalities that are beyond the authorized practice of mental health professionals. As a licensed professional, you are responsible for reviewing the scope of practice, including activities that are defined in law as beyond the boundaries of practice in accordance with and in compliance with your profession's standards.

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**MARYLAND PHYSICAL THERAPISTS AND PHYSICAL THERAPIST ASSISTANTS:** This course has been submitted to the Maryland Board of Physical Therapy Examiners for review.

**VIRGINIA PHYSICAL THERAPISTS AND PHYSICAL THERAPIST ASSISTANTS:** This course has been submitted to the Virginia Physical Therapy Association. Credit is pending.



**PSYCHOLOGISTS:** This activity consists of 6.0 clock hours of continuing education instruction. The following state psychologist boards recognize activities sponsored by PESI, Inc. as an approved ACCME provider: Alaska, Arkansas, California, Colorado, Georgia, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, Pennsylvania and South Carolina. Certificates of attendance will be issued for you to submit to your state licensing board to recognize for continuing education credit. Full attendance is required; no partial credits will be offered for partial attendance.

PESI, Inc. is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education. PESI, Inc. designates this live activity for a maximum of 6.0 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

**OHIO PSYCHOLOGISTS:** PESI, Inc. is approved by the Ohio Psychological Association, Provider #263896894, to sponsor continuing education for psychologists. PESI, Inc. maintains responsibility for this program and its content. PESI is offering this activity for 6.25 hours of continuing education credit. Full attendance is required; no partial credits will be offered for partial attendance.

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**SPEECH-LANGUAGE PATHOLOGISTS:** This course is offered for .6 ASHA CEUs (Intermediate level, Basic Communication Processes area).

\*\* Please note that Speech-Language Pathologists who participate in the live webcast will be required to complete additional steps if they want their participation submitted to the ASHA CE Registry. Detailed instructions will be provided the day of the program under the Handouts Section of the webcast.

**SOCIAL WORKERS:** PESI, Inc. Provider #:1062, is approved as a provider for social work continuing education by the Association of Social Work Boards (ASWB), [www.aswb.org](http://www.aswb.org) through the Approved Continuing Education (ACE) Program. PESI, Inc. maintains responsibility for the program. ASWB Approval Period: January 27, 2017 - January 27, 2020. Social workers should contact their regulatory board to determine course approval for continuing education credits. Social workers participating in this course will receive 6.25 (Clinical Practice) continuing education clock hours for this Intermediate course. A certificate of attendance will be awarded at the end of the program to social workers who complete the program evaluation. Full attendance is required; no partial credits will be offered for partial attendance.

**OTHER PROFESSIONS:** This activity qualifies for 380 minutes of instructional content as required by many national, state and local licensing boards and professional organizations. Save your course outline and certificate of completion, and contact your own board or organization for specific requirements.

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