

## 2-DAY ADVANCED COURSE

# Primitive Reflex Integration

*As therapists, when we treat the causes and symptoms of motor delays, we can utilize alternate brain pathways to improve the effects of therapy.*

Through neuroplasticity, we have the power to make this happen! It acts as an adaptive mechanism to compensate for lost connection allowing us to maximize remaining function!

From congenital abnormalities (**Downs Syndrome, Cerebral Palsy, Angelman Syndrome, Prader-Willi syndrome and more....**) to traumatic brain injuries, *this course delivers new and exciting ideas on how to detour around damage and incorporate viable nervous system connections.*

Dr. Karen Pryor, PT, DPT, will teach you:

- How therapy can change the brain and how neuroplasticity will improve motor skills in a child's development
- Creative and evidenced-based approaches to incorporate into a multisensory learning experience
- The importance of diverse and novel activities during treatment sessions
- The link between primitive reflexes and development
- How to evaluate the influence of primitive reflexes and effects on the CNS developmental stages relating to motor function

Video case studies will demonstrate changes before and after integrative neuroplasticity treatments. The therapy techniques you learn in this course can easily be integrated into the clinic or home the next day, leading to increased developmental success. Sign up today!

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### Target Audience:

Physical Therapists  
Occupational Therapists  
Speech-Language Pathologists  
Physical Therapist Assistants  
Occupational Therapy Assistants  
Educators  
Early Interventionists

### Live Webinar Schedule-Both Days

*(Times listed in Pacific)*

**8:00** Program begins

**11:50-1:00** Lunch Break

**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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**FREE VIDEO!**

Case study  
on Primitive  
Reflex  
Integration



Dr. Karen Pryor, PHD, PT, DPT

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## 2-DAY ADVANCED COURSE

# Primitive Reflex Integration

**LIVE WEBCAST**

**Thursday & Friday, April 15 & 16, 2021**

**BONUS!** – Sign up before August 19 and get free on-demand access for 3 months.

Join us online, for this live training!

## 2-DAY ADVANCED COURSE

# Primitive Reflex Integration

- Techniques to integrate neuroplasticity into your therapy program to progress development
- Neural connection techniques to change high and low tone, tremors and reflex patterns
- Detour around damage to utilize central nervous system viable pathways

**LIVE WEBCAST**

**Thursday & Friday, April 15 & 16, 2021**

**BONUS!** – Sign up before August 19 and get free on-demand access for 3 months.



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A NON-PROFIT ORGANIZATION CONNECTING KNOWLEDGE WITH NEED SINCE 1979

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

BRAIN DEVELOPMENT AND IMPAIRMENTS RELATED TO:

Brain stem  
Mid brain  
Cerebellum  
Cortex –  
Occipital lobe  
Temporal lobe  
Parietal lobe  
Frontal lobe

EVALUATION AND ASSESSMENT

Demonstration of primitive reflexes  
How retained reflexes act on developmental milestones  
Reasons for primitive reflex retention or re-emergence  
How primitive reflexes interfere with higher level skills – Reading, writing, sensory processing

DETAIL

Palmar grasp  
Plantar grasp  
Symmetrical Tonic Neck  
Asymmetrical Tonic Neck  
Tonic Labyrinthine Reflex  
Moro Reflex  
Extension synergy  
Flexion synergy

Disarming the strength of primitive reflexes

Palmar grasp  
Plantar grasp  
Asymmetrical Tonic Neck  
Symmetrical Tonic Neck  
Moro Reflex

Learning Objectives can be viewed at pesirehab.com/webcast/84744

Questions? Visit our FAQ page at pesirehab.com/faq or contact us at pesirehab.com/info.

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 or call 715-855-8199.

Case Studies

- 1. 17-year-old anoxic male integration of brain stem functions, cranial nerves, midbrain to regain cortical functions without overriding primitive reflex patterns.
- 2. 8-month-old with stroke at birth, cortical vision impairment, involvement of bilateral hemispheres and Symmetrical Tonic Neck Reflex. Integration of reflexes, gained vision abilities.
- 3. 1-year-old hemisphere stroke. Asymmetrical Tonic Reflex integrated and able to walk and run.
- 4. Genetic non-myelination and smooth brain 9-month-old female with tone abnormalities, Tonic Labyrinthine Reflex. Integration and neuroplasticity therapy techniques resulted in ability to walk with rolling walker, count to 20 in English, 10 in Spanish, name the months of the year and days of the week.

Speaker



KAREN PRYOR, PHD, PT, DPT, has a doctorate in physical therapy and has practiced for 40 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. She recently received the honor of Down Syndrome Ambassador for NDSS. 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.

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.

CE CREDITS AVAILABLE FOR LIVE WEBINAR

This continuing education activity is designed to meet state board requirements for the following professionals: Educators, Occupational Therapists, Physical Therapists, and Speech Language Pathologists

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This course is offered for 6 ASHA CEUs (Intermediate level, Professional area).

\*\* Please note that Speech-Language Pathologists must complete the post-test and evaluation within two weeks of attending the live event if they would like their participation submitted to the ASHA CE Registry. Detailed instructions will be provided the day of the program under the Handouts section of the online program.

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Recommended Reading:

Coping Skills for Kids Workbook  
Over 75 Coping Strategies to Help Kids Deal with Stress, Anxiety and Anger  
Janine Halloran, LMHC  
\$24.99 \$19.99\*  
PUB085420

Self-Regulation and Mindfulness  
Exercises & Worksheets for Sensory Processing Disorder, ADHD, and Autism Spectrum Disorder  
By Varleisha Gibbs, Ph.D., OTD, OTR/L  
\$26.99 \$19.99\*  
PUB085000

\* Discount Included with purchase of the Webinar

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