

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

Valuable Seminar for Professionals

Physical Therapists • Physical Therapist Assistants • Occupational Therapists • Counselors  
Occupational Therapy Assistants • Speech-Language Pathologists • Social Workers • Psychologists  
Speech-Language Pathology Assistants • Early Childhood Special Education Teachers • Early Childhood Staff

Live Seminar Schedule

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.

Questions? Call customer service at 800-844-8260

FREE Worksheets

Anxiety Disorder Worksheets for Kids and Teens



pesi.com/anxietykidsws

Bring any training in-house!

Convenient • Cost-Effective • Customizable

for more information visit


www.pesirehab.com/inhouse

NON-PROFIT ORG  
US POSTAGE PAID  
EAU CLAIRE WI  
PERMIT NO 32729

PESI Rehab  
P.O. Box 1000  
Eau Claire, WI 54702-1000  
A division of PESI, Inc.

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

Northbrook, IL  
Thursday  
October 24, 2019

Tinley Park, IL  
Friday  
October 25, 2019


Live Video Webcast  
Friday  
October 11, 2019



REGISTER NOW:  
pesirehab.com/express/72901

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

Northbrook, IL  
Thursday  
October 24, 2019

Tinley Park, IL  
Friday  
October 25, 2019

Live Video Webcast  
Friday  
October 11, 2019

REGISTER NOW:  
pesirehab.com/express/72901



A Non-Profit Organization Connecting Knowledge with Need Since 1979



# 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

**Hassle-Free Cancellation Policy:**  
If you contact us before the event date, you can exchange for a DVD or 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.



**Seminar on DVD or CD Package:**  
You can purchase a self-study package on the subject. You will receive a set of DVDs or 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.

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. **Limited seats available; advance online registration required.**



**\*SAVE by including these products with your seminar registration!**



**Beyond Behaviors:**  
*Using Brain Science and Compassion to Understand and Solve Children’s Behavioral Challenges*  
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.

**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.

**Live Seminar Continuing Education Credit Information**

*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. If your profession is not listed, please contact your licensing board to determine your continuing education requirements and check for reciprocal approval. For other credit inquiries not specified below, or questions on home study credit availability, please contact [cepesi@pesi.com](mailto:cepesi@pesi.com) or 800-844-8260 before the event.*

*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. PESI, Inc. offers continuing education programs and products under the brand names PESI, PESI Healthcare, PESI Rehab and Psychotherapy Networker.*

**Counselors:** This intermediate activity consists of 6.25 clock hours of continuing education instruction. Credit requirements and approvals vary per state board regulations. Please save the course outline, the certificate of completion you receive from the activity and contact your state board or organization to determine specific filing requirements.

**Illinois Counselors:** This intermediate activity consists of 6.25 clock hours of continuing education instruction. Credit requirements and approvals vary per state board regulations. Please contact your licensing board to determine if they accept programs or providers approved by other national or state licensing boards. A certificate of attendance will be awarded at the end of the program to participants who are in full attendance and who complete the program evaluation.

**INDIANA COUNSELORS:** This intermediate activity consists of 6.25 clock hours of continuing education instruction. Credit requirements and approvals vary per state board regulations. Please contact your licensing board to determine if they accept programs or providers approved by other national or state licensing boards. A certificate of attendance will be awarded at the end of the program to participants who are in full attendance and who complete the program evaluation.

**Wisconsin Counselors:** This intermediate activity consists of 6.25 clock hours of continuing education instruction. Credit requirements and approvals vary per state board regulations. Please contact your licensing board to determine if they accept programs or providers approved by other national or state licensing boards. A certificate of attendance will be awarded at the end of the program to participants who are in full attendance and who complete the program evaluation.

**Educators/Teachers:** This course is designed to qualify toward your professional development requirement. The program is 6.25 clock hours in length.

**Illinois Educators:** 6.0 ISBE Professional Development (PD) Clock Hours will be made available through Quincy University.

**Indiana Educators:** 6.0 Professional Growth Points are available for full attendance at this seminar per the Indiana Department of Education standards.

**Wisconsin Educators:** This course may be used toward your Professional Development Plan if it meets your individual goals. Please contact DPI with questions regarding individual PDP’s. This course is 6.25 clock hours.

**Occupational Therapists & Occupational Therapy Assistants:** PESI, Inc. is an AOTA Approved Provider of continuing education. Provider #: 3322. Full attendance at this course qualifies for 6.0 contact hours or .6 CEUs in the Category of Domain of OT and Occupational Therapy Process. Partial credit will be issued for partial attendance. The assignment of AOTA CEUs does not imply endorsement of specific course content, products, or clinical procedures by AOTA. Course Level: Intermediate.

**Physical Therapists & Physical Therapist Assistants:** This activity consists of 6.25 clock hours of instruction that is applicable for physical therapists. CE requirements for physical therapists vary per state/jurisdiction. Please retain the certificate of completion that you receive and use as proof of completion when required.

**Illinois Physical Therapists & Physical Therapist Assistants:** PESI, Inc. is a Registered Physical Therapy Continuing Education Sponsor through the State of Illinois Department of Financial and Professional Regulation, Division of Professional Regulation. License #: 216.000270. This course qualifies for 6.0 CE Credit Hours

**Indiana Physical Therapists & Physical Therapist Assistants:** This course has been submitted to the Indiana Chapter, American Physical Therapy Association for review. Please contact our customer service department for the most current information.

**Wisconsin Physical Therapists & Physical Therapist Assistants:** This course has been submitted to the Wisconsin Physical Therapy Association. Credit is pending.


**Psychologists:** This activity consists of 6.0 clock hours of continuing education instruction. The following state psychology boards recognize activities sponsored by PESI, Inc. as an approved ACCME provider: Alaska, Arkansas, California, Colorado, Georgia, Illinois, Indiana, Kentucky, Maine, Maryland, Missouri, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, Oklahoma, Pennsylvania, South Carolina and Wisconsin. 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. 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. PESI, Inc. is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education.


**Illinois Psychologists:** PESI, Inc. is an approved provider with the State of Illinois, Department of Professional Regulation. License #: 268.000102. Full attendance at this course qualifies for 6.0 contact hours.

**Indiana Psychologists:** PESI, Inc. is an approved provider with the Indiana Board of Psychology. Certificate #: 98000998A - Category I. PESI maintains full responsibility for this program and its contents. Full attendance at this course qualifies for 6.25 contact hours.

**School Psychologists:** PESI, Inc. is approved by the National Association of School Psychologists to offer professional development for school psychologists. PESI maintains responsibility for the program. Provider #1140. 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.



**PESI, Inc.** is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language pathology and audiology. **See course information for number of ASHA CEUs, instructional level and content area.** ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.



**Questions?** Visit [www.pesirehab.com/faqs](http://www.pesirehab.com/faqs), or call 800-844-8260

# How to Register:

**ONLINE**  
[pesirehab.com/express/72901](http://pesirehab.com/express/72901)

**PHONE**  
**800-844-8260**  
Please have credit card available

**FAX**  
**800-554-9775**

**MAIL**  
PESI REHAB  
PO Box 1000  
Eau Claire, WI  
54702-1000

**1 Please complete entire form** (to notify you of seminar changes):  
*please print; staple duplicate forms.*

**Mail Code:**  
*See mail code box on address panel on reverse side*

Name \_\_\_\_\_ Profession \_\_\_\_\_

Employer Name \_\_\_\_\_

Employer Address \_\_\_\_\_

Dept/Floor/Suite \_\_\_\_\_

City \_\_\_\_\_ County \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Home/Cell Ph ( ) \_\_\_\_\_

Dept. Ph ( ) \_\_\_\_\_

\*E-mail address \_\_\_\_\_

**\*Registrant’s e-mail is required to receive your certificate of completion and registration confirmation.**

**2 Check location:** *(make copy of locations)*

☐ **NORTHBROOK, IL**  
**October 24, 2019**  
Renaissance Chicago North Shore Hotel  
933 Skokie Boulevard • 60062  
(847) 498-6500

72901NTH

☐ **TINLEY PARK, IL**  
**October 25, 2019**  
Hilton Garden Inn  
18335 LaGrange Rd • 60487  
(708) 429-2266

72901TLP

**LIVE VIDEO WEBCAST**

☐ **October 11, 2019**

For CE, additional information, and to register visit:  
**[www.pesirehab.com/webcast/73048](http://www.pesirehab.com/webcast/73048)**

**REGISTER NOW:**  
**[pesirehab.com/express/72901](http://pesirehab.com/express/72901)**

**ADA NEEDS**  
We would be happy to accommodate your ADA needs; please call at least two weeks prior to the seminar date.

**WALK-INS**  
Walk-ins are welcome but admission cannot be guaranteed. Call M-F 7:00-6:00 Central Time for space availability if registering within one week of seminar.

**TUITION OPTIONS**

- FREE Military Tuition:** 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. **Limited seats available; advance online registration required.**
- \$30 Tuition:** If you are interested in being our registration coordinator for the day, go to: [www.pesirehab.com/coord](http://www.pesirehab.com/coord) for availability and job description, or call our Customer Service Dept. at 800-844-8260.
- Groups of 5 or more:** Call 800-844-8260 for discounts.
- Discounted Student Rate:** As part of its mission to serve educational needs, PESI, Inc. offers a reduced rate of 50% off standard tuition for students. Enclose a current student schedule with registration form. Go to [www.pesirehab.com/students](http://www.pesirehab.com/students) or call 800-844-8260 for details. **Advance registration required.** *Cannot be combined with other discounts.*

**CAN’T ATTEND THE SEMINAR?**  
See below for individual product orders

**Neuroplasticity for Children**

___ Seminar on DVD* (video)	\$219.99 (RNV020763)	Product total	\$ _____
___ Seminar on CD* (audio)	\$219.99 (RNA020763)	*Shipping	_____
___ <b>Beyond Behaviors</b> book*	\$29.99 (PUB085405)	<b>Subtotal</b>	_____
___ <b>Calm &amp; Alert</b> book*	\$26.99 (PUB085445)	<b>**Tax</b>	_____
		<b>TOTAL</b>	_____

CE hours and approvals on products may differ from live CE approvals.

\*Shipping is \$6.95 first item + \$2.00 each add’l item.

\*\*Residents add applicable state and local taxes except in AK, DE, MT, NH, OR

FOR OFFICE USE ONLY  
Fed ID # 26-3896894 © 2019 PESI, Inc. MG

PLEASE RETURN ENTIRE REGISTRATION FORM