

Building the Brain: A Neurobiological Approach to Assessment and Treatment

Robin Harwell, M.A., CCC-SLP

Faculty

Robin Harwell, M.A., CCC-SLP is a dynamic instructor and clinician who takes complex information and easily applies it clinically. She has extensive experience in a variety of settings, including hospital, clinic, nursing home, home health, private practice and public schools. She spends the majority of her time working “hands-on” at a facility that has incorporated her brain building program. This program, GaitWay to the Brain was part of a published 2+year study by a major university. She limits her private practice, since 2020, to in-person assessments only. She continues consulting with other facilities on their brain building programs.

Disclosure: Financial: Ms. Harwell receives a speaking fee from Education Resources, Inc. She is also a Distributor with BEMER Group. Non-Financial: Ms. Harwell has no other relevant nonfinancial relationships to disclose.

Participant Requirements

If you wish to “practice” and “use” what you will learn in the workshop, these items are part of the 2nd day of the Webinar:

1. One (1) 7”-8” hand-held flashlight with incandescent light for treatment (NO LED lights, MUST be Incandescent). I use Rayovac (found online at Ace Hardware for as little as \$1.99). *Will need to glue a penny on it (in the center of the lens) with a glue gun or some form of superglue: DO NOT TAPE the penny to the lens: this distorts the light and is useless for our purposes. If you prefer to wait to see how your flashlight/penny should look, we will do this together at the end of the first day of the webinar.*
2. One (1) small “doctor’s” penlight (it will use incandescent light). This will be for assessment.
3. Three (3) racquetballs of varying colors if you can; all one color is fine.
4. Several sheets of plain drawing paper if it is available; otherwise, unlined typing paper will suffice.
5. Two (2) differently colored pens, if possible.

About this Live Webinar

This intensive lab course will help you link neuroscience to your clinical practice with a focus on evidence-based interventions to improve measurable outcomes for adults and children with neurological challenges. It teaches you how to use tools to support the brain's ability to rewire itself rather than retraining or relearning a specific skill. This course draws on the expansive brain-behavioral sciences to provide a framework for assessment, priority setting, prognosis and intervention for clients in any treatment setting from those with acute issues such as medically fragile diagnoses, behavioral issues, to those with chronic issues in any treatment setting.

Objectives

At the completion of this webinar participants will be able to:

- Describe the neurobiology of therapeutic relationship and attachment as a healing force in therapy
- Identify and describe the stress response as an antagonist to healing
- Analyze the role of arousal as the driving force for attention, learning and rehabilitation
- Apply a skill set of “tools” for building the brain as an aspect of neuro-rehabilitation
- Demonstrate a preliminary understanding of the brain/body self-healing mechanisms and the implementation of complementary healing techniques

Audience

This course applies from infants to geriatrics with any neurologic disorders. The course is appropriate for Physical Therapists and assistants, Occupational Therapists and assistants, Speech Language Pathologists and assistants.

Schedule – Day 1 9:10 am - 6:30 pm EST (US)

9:10-9:30	Webinar Registration/Zoom Course Opens
9:30-11:00	Brain Research and its Implications for Therapy
11:00-11:45	Foundations for Therapy Success in Adults and Children Network Theory, Arousal, Attention, Learning, Self-regulation, Modulation
11:45-12:00	Break
12:00-1:30	LAB + Lecture: Tools to Prepare the Brain/Body System for Learning and Retraining
1:30-2:00	Lunch
2:00-3:00	Techniques to Balance the System: Quantum Healing
3:00-3:30	The Healing Brain: Neurogenesis, Neuroplasticity, Neurodevelopment
3:30-4:15	Clinical Applications of Current Knowledge on How the Brain Learns: Auditory, Visual, Vestibular, Sequential Processing Brain Dominance
4:15-4:30	Break
4:30-5:00	LAB: Mental Practice
5:00-6:30	The Stress Connection <ul style="list-style-type: none"> • The gut brain/inflammation • Exercise and the brain • Sedentary lifestyle • What the science tells us

Schedule – Day 2 9:10 am - 5:00 pm EST (US)

9:10-9:30	Webinar Registration/Zoom Course Opens
9:30-10:00	Theoretical Framework for a NeuroIntegrative Approach to Treatment
10:00-11:45	An Interactive Approach to Assessment: A New Perspective <ul style="list-style-type: none"> • Demonstration and video
11:45-12:00	Break
12:00-1:00	Demonstration and video continued Troubleshooting Workshop Attendees' Clientele (<i>submitted prior to day two</i>)
1:00-1:30	Lunch
1:30-3:00	LAB: Tools to Retrain and Relearn <ul style="list-style-type: none"> • Functional skills evidence-based strategies • Visual vestibular tactile brain gym • Videos of tools used with clientele of varying ages/diagnoses
3:00-3:45	LAB + Lecture: An Integrative Approach to Treatment <ul style="list-style-type: none"> • Demonstrations and videos: tools applied with a variety of clientele
3:45-4:00	Break
4:00-5:00	Troubleshooting for Functional Outcomes <ul style="list-style-type: none"> • Recommended reading • Research and resources

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Credits

This course meets the criteria for 14.5 contact hours (1.45 CEUs) Intermediate Level.



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Approved provider of the **FL** Board of Occupational Therapy-CE Broker for 17 CE hours.

This course meets the approval of the **TX** Board of OT Examiners.

This course can be used toward your NBCOT renewal requirements for 14.5 units.



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Application has been made to the **FL** Physical Therapy Association for 17 continuing education contact hours.

Application has been made to the **MD** State Board of Physical Therapy Examiners for 1.4 CEUs.

Application has been made to the **MN** Board of Physical Therapy.

Application has been made to the **NJ** Board of Physical Therapy Examiners.

Application has been made to the **OK** Board of Medical Licensure and Supervision for Physical Therapy.

Approved sponsor by the State of **IL** Department of Financial and Professional Regulation for Physical Therapy for 17 contact hours. Application has been made to Illinois EI Training Program.

Approved provider by the **NY** State Board of Physical Therapy for 17 contact hours (1.7 CEUs).

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The following state boards of physical therapy accept other states' approval: **AK, AR, AZ, DC, DE, GA, HI, ID, IN, KS, MI, MO, MS, NC, OR, PA, RI, SC, UT, VA, VT, WI, WY.**

The following state boards of physical therapy either do not require course pre-approval or do not require CEUs for re-licensure: **AL, CO, CT, IA, MA, ME, MT, NE, ND, NH, SD, WA.**

12 hours of this course qualify towards the discipline-specific hours for the 20-hour requirement for NDTA re-certification. They do NOT qualify towards the 8-hour NDTA Instructor requirement for re-certification.

Education Resources Inc., 266 Main St, Medfield, MA 02052. Please contact us with any special needs or requests: info@educationresourcesinc.com

Webinar Dates and Times

July 30 and 31, 2022

9:10 am EST • 8:10 am CST • 7:10 am MST • 6:10 am PST (US)

Registration is for both sessions. Zoom log-in instructions and course materials will be emailed/added to your ERI account 5-7 days prior to the webinar.



\$369 fee. **LIMITED ENROLLMENT.** Cancellation will be accepted until 14 days prior to the start date of the course, minus a \$75 Administration Fee. There will be NO REFUNDS after this 14 day deadline. We encourage you to register online!

LIVE WEBINAR: Building the Brain/Robin Harwell

☐ July 30 and 31, 2022

Course Registration Form

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How did you learn of this course _____

Education Resources reserves the right to cancel any course due to insufficient registration or extenuating circumstances. We are not responsible for any expenses incurred by participants if the course must be cancelled. ☐ I have read your refund policy above and understand.

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