

Motor Learning and Plasticity for the Infant: Encouraging Respiration and Movement for Function

Leslie Paparsenos, PT, MS, C/NDT

Bethanne Mazurczak MS, CCC-SLP,

Faculty

Bethanne N. Mazurczak, MS, CCC-SLP, C/NDT has been a practicing clinician since 1990, specializing in the pediatric rehabilitation of infants, children and adolescents. Bethanne has a wide range of experience in working with children of all ages with neurological and developmental disabilities. She is certified in Neuro-Developmental Treatment, SOS Feeding and is currently completing the process as an NDT Candidate Instructor for the NDTA. Bethanne continues to serve the pediatric population with oral- motor/feeding and swallowing as well as communication disorders through her practice as a Speech Pathologist and is a Clinical Assistant Professor in the Department of Communication Sciences and Disorders at the University of Wisconsin – Milwaukee.

Leslie Paparsenos, PT, MS, C/NDT is an independent, pediatric therapy provider, licensed Physiotherapist in Australia, and licensed Physical Therapist in the United States of America. She specializes in evidenced based, pediatric rehabilitation, serving babies, children and adolescents across a spectrum of neurological and developmental disabilities, and their families. Leslie is a certified Pediatric NDTATM (USA) Instructor, certified in NeuroDevelopmental Treatment

About this On-Demand Course

The fundamental importance of motor planning (the ability to plan, execute, and sequence a motor task) in the Birth-Three population cannot be overstated, as it significantly impacts a child's ability to plan and carry out motor skills in an efficient and refined manner. This early development sets the foundation for fulfilling various life roles in the future. The respiratory system's role in motor development cannot be overlooked. Coordinated respiration with movement is vital for achieving energy-efficient and refined motor actions.

In the dynamic environments in which we operate, it is imperative for clinicians to prioritize treatments effectively to achieve optimal outcomes. This webinar will offer valuable insights into the latest evidence on neuroplasticity, motor learning, and the NDT Practice Model. These insights will aid clinicians in organizing, prioritizing, and focusing treatment sessions to ensure functional changes are achieved by the conclusion of each session. Specific handling strategies that emphasize efficient respiration coordinated with movement will be discussed. Additionally, participants will learn how to provide effective feedback and incorporate varied practice into sessions to enhance functional outcomes for their caseloads. Strategies for instructing parents on how to reinforce successful performance during therapy sessions will also be covered, thereby improving practice within the context of daily life.

Learning Objectives

- Apply contemporary concepts of motor learning, neuroplasticity, and/or the NDT Practice Model into prioritized treatment strategies.
- Choose treatment (or handling) strategies that facilitate improved participation in daily tasks.
- Integrate caregivers into the process of rehabilitation for carryover of effective treatment strategies with the child's daily activities at home.

Audience

Birth to three therapists including OTs, PTs, SLPs, and Special Educators.

Help your patients achieve better outcomes.

SCHEDULE (3 hours total)

Motor learning, neuroplasticity and the NDT Practice Model in the birth-three population

- Using observational skills to guide prioritization of impairments in body functions and structures linked to functional movements through case studies

The respiratory systems' role in postural control and motor development

- Assess rib cage alignment, mobility and respiratory pattern
- Understanding the impact on postural control and movement
- Treatment strategies for respiratory and postural systems via video demonstration

Effectively improving family engagement during and after sessions

- Understanding components of treatment strategies for carryover
- How to increase caregiver follow through of therapist recommendations
- Post-test

Disclosures

Financial: Bethanne Mazurczak has a financial relationship with the University of Wisconsin-Milwaukee (employment) and receives an Honorarium from Education Resources, Inc.

Non-Financial: Bethanne Mazurczak has no relevant non-financial relationships to disclose.

Financial: Leslie Paparsenos receives an honorarium from Education Resources, Inc.

Non-Financial: Leslie Paparsenos has no relevant non-financial relationships to disclose.

ERI: Life-changing learning

You love what you do. Our courses remind you why. As a therapist, you change lives every day – and have your life changed in return. ERI is life-changing learning, for therapists by therapists.

The ERI Advantage

- Techniques you'll use the next day
- Peers who share your passion
- Renowned faculty
- Evidence-based courses that improve outcomes
- 30 years of life-changing learning

Specialty Tracks

Learn with courses throughout the lifespan – neonatal, pediatric, adult and geriatric. Each ERI specialty track is designed to make the most of your continuing education time, budget, and goals. Start your search with us and plan every course you'll take in 2025.

ERI Rewards*

Your ERI experience is more rewarding than ever:

- First course discount
- Bring a friend savings
- Group discounts
- \$100 off your 4th multi-day course

*Subject to availability. Exclusions may apply. Visit our website for details and coupon codes.

Visit educationresourcesinc.com

Credits:

Continuing Education Hours for disciplines not listed below: 3 contact hours (0.3 CEUs).
Intermediate level.



Education Resources Inc. is an AOTA Approved Provider of professional development. Course approval ID# 11368. This Distance Learning-Independent Course is offered at 3 contact hours 0.3 CEUs (Intermediate Level, OT Service Delivery & Foundational Knowledge). AOTA does not endorse specific course content, products or clinical procedures.



Education Resources, Inc.
Intermediate level
0.3 ASHA CEUs

Continuing Education Hours for disciplines not listed below: 3 contact hours (0.3 CEUs).
Intermediate level. License #_____.

Education Resources Inc. is an AOTA Approved Provider of professional development. Course approval ID# 11368. This Distance Learning-Independent Course is offered at 3 contact hours 0.3 CEUs (Intermediate Level, OT Service Delivery & Foundational Knowledge). AOTA does not endorse specific course content, products or clinical procedures. This course can be used toward your NBCOT renewal requirements for 3 units. Provider for the FL Occupational Therapy Association CE Broker for 3.5 CE Hours - approval #20-1305354. ASHA CE Provider (Intermediate level). ASHA CEUs are awarded by the ASHA CE Registry upon receipt of the CEU Participant Form from the ASHA. Approved CE Provider for up to 0.3 CEU's. ASHA CE Provider approval and use of the Brand Block does not imply endorsement of course content, specific products, or clinical procedures. Approved by the FL Physical Therapy Association for 3.5 CE Hours - approval #CE25-1305354. This course has been approved by the MD State Board of Physical Therapy Examiners for 3 Continuing Education Hours. This session applies 3 CE hours toward approval but must be combined with entire course to receive approval by the MN Board of PT, #12966. Approval #2505-44 by the NJ State Board of Physical Therapy Examiners for 3 CECs. Approved sponsor by the State of IL Department of Financial and Professional Regulation for Physical Therapy for 3.5 contact hours. The Illinois Early Intervention Training Program has approved this event for 0.5 ATY, 0.5 TYP, 2 INT hours of EI credential credit in the area of Intervention. Approved provider by the NY State Board of PT for 3.5 contact hours (0.35 CEUs). This session applies 3 hrs. toward approval but must be combined with entire course to receive approval by the OH PT Association - Approval #255S1897. Education Resources is an approved agency by the PT Board of CA for 3 contact hours. This activity is provided by the TX Board of PT Examiners accredited provider #2210017TX for 3 CCUs and meets continuing competence requirements for PTs and PTAs licensure renewal in TX. Approved Provider for OK State Board of Medical Licensure & Supervision #BAP202310003. 3 hours of this course qualify towards the discipline-specific hours for the 20-hour requirement for NDTA re-certification or towards the 8-hour NDTA Instructor requirement for re-certification.

Education Resources Inc. 266 Main St, Suite 12, Medfield, MA 02052 • 800-487-6530.

Register at educationresourcesinc.com