

Handling Interventions: Using NDT to Increase Function and Participation in Children



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Faculty

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 (NDTATM (USA), and a certified clinical instructor by the APTA (USA). She has been teaching both internationally and nationally since 2007. Leslie is committed both to supporting therapists in their clinical development and assisting families and children in their journey to independence.

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. She has presented at the local, national and international level on various topics.

Financial Disclosures:

Leslie Paparsenos receives an honorarium from Education Resources, Inc. for this course. **Leslie Paparsenos** has no relevant non-financial relationships to disclose.

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

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

About this ON-DEMAND Course

Children with cerebral palsy and other neuromuscular disorders seeking improved outcomes rely on providers with accurate assessment skills, sound clinical decision-making and precisely designed interventions. Through instruction, demonstration and hands-on lab work, participants will be able to select intervention strategies, including handling techniques, that facilitate children's participation in meaningful daily activities. The Neuro-Developmental Treatment Practice Model will serve as the framework for evaluation and clinical decision making to guide precise treatments for feeding, communication, mobility, ADLs and motor outcomes. As participants complete task analyses of video scenarios, they will be able to design interventions that are functional and goal-directed for the child. During lab work, participants will develop and improve clinical handling skills that impact posture, alignment and movement. Subsequent changes in oral, pharyngeal and respiratory function, along with changes in movement lead to improved participation and functional outcomes for the child. Participants will be able to implement newly learned skills the next day!

Learning Objectives

- Apply basic NDT facilitation/handling techniques to impact function and participation in children.
- Demonstrate the NDT concepts of facilitation/handling and key points of control as it relates to feeding, communication, ADLs, gross and fine motor skills.
- Apply the ICF model when assessing a video patient/ treatment demonstration.
- Select a handling technique to address decreased sustaining postural muscle activation.
- Choose an evidence informed intervention strategy to address poor head control.
- Determine a handling technique to facilitate improved functional mobility and/or participation in the home.
- Modify a treatment plan to address increased tone in a child with cerebral palsy.
- Select an appropriate assessment tool to evaluate a child's ability to participate in functional activities.

Audience

This intermediate-level course is designed for OTs, COTAs, PTs, PTAs and SLPs with no background knowledge of NDT.

Help your patients achieve better outcomes.

ON-DEMAND Schedule

PART 1: 6 HOURS, 45 MINUTES

2 HOURS

Discussion: The Essence of the NDT Practice Model – How to Use It

Includes 10 minutes for case study review

30 MINUTES

LAB 1: Video Assessment and Discussion

Includes 10 minutes for case study review

35 MINUTES

LAB 2: Facilitation Techniques 1 – Handling, Sensory Impact of Handling, Handling for Bed Mobility

1 HOUR

Discussion: Therapeutic Principles for Posture and Movement Muscles

2 HOURS, 40 MINUTES

LAB 3: Facilitation Techniques 2 – Head Control, Upright Postural Control, Breathing for Communication and Feeding, and Oral Motor Control

ON-DEMAND Schedule – (continued)

PART 2: 6 HOURS, 15 MINUTES

2 HOURS

Discussion: Problem Solving Road Blocks

LAB 4: Facilitation Techniques 3 – Prone to Prop, Prone Prop to Sitting, Prone Prop to Quadruped, Sit to Stand

1 HOUR

LAB 5: Video Assessment 2 and Problem Solving

Includes 10 minutes for case study review

1 HOUR, 45 MINUTES

Treatment Principles for Children with Cerebral Palsy

Treatment Related to Motor Planning, Alignment, Base of Support, Balance and Coordination

1 HOUR, 15 MINUTES

LAB 6: Small Group Problem Solving

Putting it All Together with Video Patients and Group Presentations

Includes 15 minutes for case study review

15 MINUTES

Post-Test

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Pediatric Vestibular Therapy: Young Children Through Adolescents – \$329

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Instructor – Amanda Hall, PT, MPT, PCS – 11 Contact Hours

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Instructor: Janine Wiskind, MS, OTR/L, CBIS – 11 Contact Hours

Treatment of Motor Issues in Children with Sensory Dysfunction- Online Series - \$299

Instructor: Liesa M. Ritchie-Persaud, PT, DPT, PCS, CKTP – 11.5 Contact Hours

Credits

This course meets the criteria for 13 contact hours (1.3 CEUs) Intermediate Level.



Education Resources Inc. is an AOTA Approved Provider of professional development. Course approval ID#09810. This Distance Learning-Independent Course is offered at 13 contact hours 1.3 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 13 units.



Education Resources Inc.
Intermediate Level
1.3 ASHA CEUs.

ASHA CE Provider approval and use of the Brand Block does not imply endorsement of course content, specific products, or clinical procedures. ASHA credits are accepted by the TX Department of License and Renewal.

Provider for the FL Occupational Therapy Association CE Broker for 15.5 CE Hours - approval #20-1256432. Application has been made to ASHA. 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 1.3 CEU's.

This course has been approved by the MD State Board of Physical Therapy Examiners for 13 Continuing Education Hours.

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

Approved sponsor by the State of IL Department of Financial and Professional Regulation for Physical Therapy for 15.5 contact hours. The Illinois Early Intervention Training Program has approved this event for __ hours of EI credential credit in the area of Intervention.

Approved provider by the NY State Board of Physical Therapy for 15.5 contact hours (1.55 CEUs).

Education Resources is an approved agency by the PT Board of CA for 13 contact hours.

Approved by the APTA Kentucky, A Chapter of the American Physical Therapy Association, for 13 Category 1 contact hour(s). Expiration Date: 3/6/25, approval # CS61-2023-APTAKY.

This activity is provided by the TX Board of PT Examiners accredited provider #2210017TX for 13 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.

This course meets the criteria for 13 hours that can be applied toward the Neonatal Therapy National Certification. 13 hours of this course qualify towards the discipline-specific hours for the 20-hour requirement for NDTA re-certification or qualify towards the 8-hour NDTA Instructor requirement for re-certification.

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