

Intervention in the NICU: A Neurodevelopmental Approach

Roberta Gatlin PT, DSc, PCS

Faculty

Roberta "Bertie" Gatlin, PT, DSc, PCS graduated from University of Memphis in 1986 with a BS in Special Education and from the University of Tennessee Health Science Center Department of Physical Therapy in 1989 with a BS in Physical Therapy. She completed her Doctorate of Science with an emphasis in Neurological and Pediatric Physical Therapy in 2013. She received her Board Certified Pediatric Clinical Specialty in 2001 and recertification in 2011. Her experience draws from over 30 years in the field of pediatric physical therapy. She is currently Assistant Professor in the Physical Therapy Department at Emory & Henry College, Marion, Virginia and adjunct faculty at South College in Knoxville, Tn. Bertie's experience encompasses physical therapy within the NICU, developmental follow-up clinic and outpatient pediatrics servicing all populations. Her research currently focuses on Neonatal Abstinence Syndrome, wound care practices for the premature infant in a NICU setting and interprofessional experiences for entry-level physical and occupational therapy students within simulated neonatal intensive care settings. Bertie currently holds the Secretary position for the Tennessee Physical Therapy Association Executive Committee, the Finance Committee and the Neonatology Specialty Interest Group's Vice-Chair position for the Academy of Pediatric Physical Therapy of the American Physical Therapy Association.

Disclosure: Financial: Roberta Gatlin receives a speaking fee from Education Resources, Inc. for this course. Non-Financial: Roberta Gatlin is a committee member for the Neonatal Special Interest Group and Finance Committee of APPT.

About this Course

This course is designed to provide participants with evidence-based research that will contribute to their development and implementation of best practices of therapeutic intervention programs within a NICU environment. This course is designed to provide the therapist currently practicing within a NICU setting the knowledge base to apply evidence-based assessment, application and intervention services.

Objectives

- 1 Discuss the theoretical basis and the evidence-based outcomes for therapeutic services in the NICU
- 2 Identify common self-regulation signals and different state behaviors displayed by premature infants
- 3 Discuss typical motor and sensory development observed in premature infants; 23-24 weeks gestational age to one-month old post conceptual age
- 4 Discuss the pathophysiology of common medical diagnoses found in the NICU, the outcome of these diagnoses and potential impact a therapeutic management/treatment intervention may have with the infant and family/caregiver
- 5 Apply evidence-based research to clinical application for therapeutic evaluation, assessment and intervention in the NICU and after discharge
- 6 Provide evidence-based recommendations of follow-up collaborative care of an infant and family/caregiver after discharge from the NICU

Audience

Because PT, OT and SLP practice in the NICU environment is not considered entry level by the AOTA, APTA and ASHA, it is advised that clinicians engage in continuing education courses and mentorships. This course is geared at an introductory to intermediate level.

Participant Requirements

Participants should have a doll, two baby blankets, and a baby bottle and nipple (any kind)

Schedule – Day 1

10:00-12:00	NICU Abbreviations History of the NICU Competencies for the Rehab Professional in the NICU Levels of the NICU Equipment in the NICU
12:00-12:15	Break
12:15-2:00	Embryology and the Neonate Neonatal Development Inside & Outside the Uterus GM, FM, Oral Motor, Sensory and Behavioral Expectations of Development
2:00-2:30	Lunch
2:30-3:30	Practice Frameworks and Evidence Based Practice
3:30-4:30	Hierarchy of Systems Interactive Capabilities
4:30-4:45	Break
4:45-5:45	Neurodevelopmental Assessment of the NICU Infant: Observation and Hands on Assessment Standardized Testing TIMP Neurological Assessment of the Preterm and Full-Term Infant Infant Neurobiological International Battery Neonatal Behavioral Assessment Scale
5:45-6:45	Developmental Supportive Care: NIDCAP Theory Evidence
6:45-7:30	Evaluation and Assessment of the Neonate Wrap up Questions/Video Assessments

Schedule – Day 2

10:00-10:30	Review/Questions
10:30-12:30	Therapeutic Intervention in the NICU Handling, Positioning, Massage, Facilitated Motor Activity Complications of the NICU patient
12:30-1:00	Lab Positioning infants (All participants need to bring baby doll similar to their patient size)
1:00-1:15	Break
1:15-2:30	Lab Cont.
2:30-3:00	Lunch
3:00-3:30	Diagnosis of the NICU client HMD/RDS/CLD, ROP, IVH/PVL, NEC
3:30-4:00	Neonatal Abstinence Syndrome*
4:00-4:30	Late Preterm Infant*
4:30-5:00	Discordant Twins, IUGR/SGA*
5:00-5:15	Break
5:15-6:00	Wound Care in the NICU* Wrap up and Questions

***EBP and Outcomes will be presented with each diagnosis and NICU admission**

"I have attended many NICU Intervention courses; this was by far the best organized, comprehensive, and useful course I have attended. Roberta Gatlin is so knowledgeable in NICU and Pediatric concepts. My peers and I took away many ideas and concepts we will integrate into our NICU. This is a great course for both beginning and seasoned therapists." – C. Walker

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Credits

This course meets the criteria for 15.5 contact hours (1.55) CEUs, Intermediate Level. Most Physical Therapy State Boards accept webinars as a live offering. Please check with your state board to confirm. Application has been made to the **FL, KY, MD, NM, NV** and **OK** Boards of PT. Approved by the **NJ and TN** Boards of PT. Approved sponsor by the State of **IL** Department of Financial and Professional Regulation for Physical Therapy for 18.5 contact hours. Application has been made to **IL** EI Training Program. Approved provider by the **NY** State Board of PT for 18.6 contact hours (1.86 CEUs). Education Resources, Inc. is an approved provider for Physical Therapy CEUs in the following states: **CA, KY and TX**. 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**.



Approved provider of continuing education by the American Occupational Therapy Association #3043, for 15.5 contact hours – Intermediate Level Occupational Therapy Process: assessment, intervention. The assignment of AOTA CEUs does not imply endorsement of specific course content, products or clinical procedures by AOTA.

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

Approved provider of the **FL** Board of Occupational Therapy-CE Broker 18.5 hours



Education Resources, 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.

This course is offered for up to 1.55 ASHA CEUs (Intermediate level, Professional area).

This program has been submitted for approval of 15.5 clock hours of continuing education credit by the **TX** Speech Language-Hearing-Association (TSHA). TSHA approval does not imply endorsement of course content, specific products or clinical procedures.

NBCOT professional development provider – 15.5 PDUs.

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. This course meets the criteria for 15.5 hours that can be applied toward the Neonatal Therapy National Certification

Webinar Dates - 2020

November 21 – 22, 2020

9:40 am EST • 8:40 am CT • 7:40 am MST • 6:40 am PT (US)

Registration is for all 2 sessions. Log-in instructions and course materials will be emailed/added to your ERI account 2-3 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. Registration will be accepted after deadline on a space available basis. We encourage you to register online!

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November 21 and 22, 2020

Course Registration Form

Name: _____

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Needed in the event of an emergency scheduling change

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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.

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