

# Intervention in the NICU: A Neurodevelopmental Approach

Roberta Gatlin PT, DSc, PCS

## Faculty

Roberta “Bertie” Gatlin, PT, DSPT. Is currently providing services in the early intervention setting specifically assessing the transition of infants and families from the NICU to EI. She completed her career as an Associate Professor and Director of Admission for South College Department of Physical Therapy in July 2023. She 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 and in 2013 with her Doctor of Science with an emphasis in Neurological and Pediatric Physical Therapy. She has been a Board Certified Pediatric Clinical Specialist from 2001 thru 2021. Her experience draws from over 30 years in the field of pediatric physical therapy. She is an adjunct professor in the Physical Therapy Department at Emory & Henry College, Marion, Virginia. She provides post-professional education for Educational Resources Inc. and Medbridge Education. Bertie provides programming instruction for Brooks Institute of Higher Learning Pediatric Physical Therapy Residency. Bertie’s experience encompasses physical therapy within the NICU, developmental follow-up clinic and outpatient pediatrics, servicing all age levels. She has been a department director for an acute care hospital and an outpatient pediatric rehabilitation center. Her research has focused on the infant with Neonatal Abstinence Syndrome and the outcome measurements used to identify their developmental needs. Bertie currently holds the Treasure Position for the APTA Academy of Pediatric Physical Therapy Executive Board and is Past Chair of the Neonatology Specialty Interest Group.

## About this Live Webinar

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 will arm the NICU therapist with the ability to apply evidence-based assessment, application and intervention services for the babies and families they work with.

## Objectives

- Discuss the theoretical basis and the evidence-based outcomes for therapeutic services in the NICU
- Identify common self-regulation signals and different state behaviors displayed by premature infants
- Discuss typical motor and sensory development observed in premature infants; 23-24 weeks gestational age to one-month old post conceptual age
- 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
- Apply evidence-based research to clinical application for therapeutic evaluation, assessment and intervention in the NICU and after discharge
- 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 (optional).

**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.

## Schedule – Day 1 9:40 am - 7:00 pm EST (US)

<b>9:40-10:00</b>	<b>Webinar Registration/Zoom Course Opens</b>
<b>10:00-12:00</b>	NICU Abbreviations History of the NICU Competencies for the Rehab Professional in the NICU Levels of the NICU Equipment in the NICU
<b>12:00-12:15</b>	Break
<b>12:15-2:00</b>	Embryology and the Neonate Neonatal Development Inside & Outside the Uterus GM, FM, Oral Motor, Sensory and Behavioral Expectations of Development
<b>2:00-2:30</b>	Lunch
<b>2:30-3:30</b>	Practice Frameworks and Evidence Based Practice
<b>3:30-4:30</b>	Hierarchy of Systems Interactive Capabilities
<b>4:30-4:45</b>	Break
<b>4:45-5:45</b>	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
<b>5:45-6:45</b>	Developmental Supportive Care: NIDCAP Theory Evidence
<b>6:45-7:00</b>	Evaluation and Assessment of the Neonate Wrap up Questions/Video Assessments

## Schedule – Day 2 9:40 am - 6:00 pm EST (US)

<b>9:40-10:00</b>	<b>Webinar Registration/Zoom Course Opens</b>
<b>10:00-10:30</b>	Review/Questions
<b>10:30-12:30</b>	Therapeutic Intervention in the NICU Handling, Positioning, Massage, Facilitated Motor Activity Complications of the NICU patient
<b>12:30-1:00</b>	<b>Lab</b> Positioning infants (All participants need to bring baby doll similar to their patient size)
<b>1:00-1:15</b>	Break
<b>1:15-2:30</b>	<b>Lab</b> <i>continued</i>
<b>2:30-3:00</b>	Lunch
<b>3:00-3:30</b>	Diagnosis of the NICU client HMD/RDS/CLD, ROP, IVH/PVL, NEC
<b>3:30-4:00</b>	Neonatal Abstinence Syndrome*
<b>4:00-4:30</b>	Late Preterm Infant*
<b>4:30-5:00</b>	Discordant Twins, IUGR/SGA*
<b>5:00-5:15</b>	Break
<b>5:15-6:00</b>	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 contact hours (1.5) CEUs. Intermediate Level.



Education Resources Inc. is an AOTA Approved Provider of professional development. Course approval ID# 07121. This Distance Learning-Interactive course is offered at 15 contact hours 1.5 CEUs ( Intermediate, 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 15 units.

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

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



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Approved by the **FL** Physical Therapy Association for 18.5 continuing education contact hours.

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

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

Approved by the **NJ** Board of Physical Therapy Examiners.

Approved sponsor by the State of **IL** Department of Financial and Professional Regulation for Physical Therapy for 15 contact hours.

Application has been made to **Illinois** EI Training Program.

Approved provider by the **NY** State Board of Physical Therapy for 18.5 contact hours (1.85 CEUs).

Education Resources, Inc. is an approved provider for Physical Therapy CEUs in the following states: **CA, KY, OK** and **TX**.

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This course meets the criteria for 15 hours that can be applied toward the Neonatal Therapy National Certification. 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 • 800-487-6530. Please contact us with any special needs requests: info@educationresourcesinc.com or 800-487-6530.

## Webinar Dates and Times

**November 15 and 16, 2024**

**9:40 am EST • 8:40 am CT • 7:40 am MST • 6:40 am PT (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.



\$389 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!

### Intervention in the NICU: A Neurodevelopmental Approach

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November 15 and 16, 2024

#### Course Registration Form

Name: \_\_\_\_\_

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City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

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Needed in the event of an emergency scheduling change

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