

# 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 28 years in the field of pediatric physical therapy. She is currently Assistant Professor in the Physical Therapy Department at Emory & Henry College, Marion, Virginia. Bertie’s experience encompasses physical therapy within the NICU, developmental follow-up clinic and outpatient pediatrics servicing all populations. Her research focuses on the Neonatal Abstinence Syndrome, wound care practices for the premature infant in a NICU setting and obtaining norms for children in the United States on the Infant Motor Profile. She currently holds the secretary position for the Tennessee Physical Therapy Association Executive Committee, the Regional VI Director and 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 on the membership Board of the APTA.*

### 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.

Help your patients achieve better outcomes.

## Schedule – Day 1

<b>7:30-8:00</b>	Registration/Continental Breakfast
<b>8:00-10:00</b>	NICU Abbreviations History of the NICU Competencies for the Rehab Professional in the NICU Levels of the NICU Equipment in the NICU
<b>10:00-10:15</b>	Break
<b>10:15-12:00</b>	Embryology and the Neonate Neonatal Development Inside & Outside the Uterus GM, FM, Oral Motor, Sensory and Behavioral Expectations of Development
<b>12:00-1:00</b>	Lunch (on your own)
<b>1:00-2:00</b>	Practice Frameworks and Evidence Based Practice
<b>2:00-3:00</b>	Hierarchy of Systems Interactive Capabilities
<b>3:00-3:15</b>	Break
<b>3:15-4:15</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>4:15-5:15</b>	Developmental Supportive Care: NIDCAP Theory Evidence
<b>5:15-6:00</b>	Evaluation and Assessment of the Neonate Wrap up Questions/Video Assessments

## Schedule – Day 2

<b>7:15-7:30</b>	Continental Breakfast
<b>7:30-8:00</b>	Review/Questions
<b>8:00-10:00</b>	Therapeutic Intervention in the NICU Handling, Positioning, Massage, Facilitated Motor Activity Complications of the NICU patient
<b>10:00-10:30</b>	<b>Lab</b> Positioning infants (All participants need to bring baby doll similar to their patient size)
<b>10:30-10:45</b>	Break
<b>10:45-12:00</b>	<b>Lab</b> Cont.
<b>12:00-1:00</b>	Lunch (on your own)
<b>1:00-1:30</b>	Diagnosis of the NICU client HMD/RDS/CLD, ROP, IVH/PVL, NEC
<b>1:30-2:00</b>	Neonatal Abstinence Syndrome*
<b>2:00-2:30</b>	Late Preterm Infant*
<b>2:30-3:00</b>	Discordant Twins, IUGR/SGA*
<b>3:00-3:15</b>	Break
<b>3:15-4:00</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

## 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:

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

### Specialty Tracks throughout the lifespan – Neonatal, Pediatric, Adult, 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 2019.

Visit [educationresourcesinc.com](http://educationresourcesinc.com) for all of your 2019 courses.

## ERI Rewards

**Your ERI experience is more rewarding than ever.**

- o First Course Discount
- Bring a Friend Savings
- Group Discounts
- \$100 off your 4th Multi-day Course
- o And more

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

## Credits

This course meets the criteria for 15.5 hours (1.55 CEUs). The **DC, DE, GA** and **VA** Boards of Physical Therapy accept other state board's approvals. Application has been made to the **MD** Board of Physical Therapy Examiners.

Application has been made to the **FL** Physical Therapy Association for 18.5 continuing education contact hours.

**TX** Physical Therapy Association approved provider.



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.

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

This course meets the approval for type 2 CEUs by the **TX** Board of OT Examiners



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.

NBCOT professional development provider-15.5 PDUs.

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

## Locations and Dates - 2019

<b>August 23-24</b>	Bradenton, FL	Manatee Memorial Hospital
<b>November 1-2</b>	Johns Creek, GA	Emory Johns Creek Hospital
<b>December 6-7</b>	Plano, TX	Children's Medical Center



\$435 fee. Group rate (3 or more) must be mailed/faxed together \$410. Deadline for registration is 3 weeks prior to course. Registration will be accepted after deadline on a space available basis. Cancellation accepted up until 2 weeks before course, minus an administration fee of \$75. NO REFUNDS WITHIN 2 WEEKS OF COURSE.

Please make check payable and return to: Education Resources, Inc. • 266 Main St., Suite 12 • Medfield, MA 02052 508-359-6533 or 800-487-6530 (outside MA) FAX 508-359-2959 • www.educationresourcesinc.com

Limited enrollment. We encourage you to register online!

**Intervention in the NICU /Roberta Gatlin**

Aug/FL  Nov/GA  Dec /TX

**Course Registration Form**

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

Address: \_\_\_\_\_

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

Home Phone: \_\_\_\_\_ Work Phone: \_\_\_\_\_

Cell Phone: \_\_\_\_\_

Needed in the event of an emergency scheduling change

Email: \_\_\_\_\_

Please clearly print your email address for course confirmation

Employer: \_\_\_\_\_

Discipline: \_\_\_\_\_ Specialty: \_\_\_\_\_

How did you learn of this course \_\_\_\_\_

Education Resources reserves the right to cancel any course due to insufficient registration or extenuating circumstances. Please do not make non-refundable travel arrangements until you have called us and received confirmation that the course will be held. 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.

Cardholder's name & billing address with zip code if different from above:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature \_\_\_\_\_

Amount charged \_\_\_\_\_

I hereby authorize you to charge my:  VISA  MC  DISCOVER# \_\_\_\_\_

Exp. Date \_\_\_\_\_ CVV2 Code \_\_\_\_\_