

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

7:30-8:00	Registration/Continental Breakfast
8:00-10:00	NICU Abbreviations History of the NICU Competencies for the Rehab Professional in the NICU Levels of the NICU Equipment in the NICU
10:00-10:15	Break
10:15-12:00	Embryology and the Neonate Neonatal Development Inside & Outside the Uterus GM, FM, Oral Motor, Sensory and Behavioral Expectations of Development
12:00-1:00	Lunch (on your own)
1:00-2:00	Practice Frameworks and Evidence Based Practice
2:00-3:00	Hierarchy of Systems Interactive Capabilities
3:00-3:15	Break
3:15-4:15	Neurodevelopmental Assessment of the NICU Infant: Observation and Hands on Assessment Standardized Testing <ul style="list-style-type: none"> ▪ TIMP ▪ Neurological Assessment of the Preterm and Full-Term Infant ▪ Infant Neurobiological International ▪ Battery ▪ Neonatal Behavioral Assessment ▪ Scale
4:15-5:15	Developmental Supportive Care: NIDCAP <ul style="list-style-type: none"> ▪ Theory ▪ Evidence
5:15-6:00	Evaluation and Assessment of the Neonate Video Assessments

Schedule – Day 2

7:15-7:30	Continental Breakfast
7:30-10:00	Therapeutic Intervention in the NICU Handling, Positioning, Massage, Facilitated Motor Activity Complications of the NICU patient
10:00-10:30	LAB: Positioning infants (All participants need to bring baby doll similar to their patient size)
10:30-10:45	Break
10:45-12:00	LAB: Cont.
12:00-1:00	Lunch (on your own)
1:00-1:30	Diagnosis of the NICU client HMD/RDS/CLD, ROP, IVH/PVL, NEC
1:30-2:00	Neonatal Abstinence Syndrome*
2:00-2:30	Late Preterm Infant*
2:30-3:00	Discordant Twins, IUGR/SGA*
3:00-3:15	Break
3:15-4:00	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 hours (1.55 CEUs). Application has been made to the **TN** Physical Therapy Association and the **NJ** Board of Physical Therapy Examiners. The **PA** State Board of Physical Therapy accepts other state board approvals.

Approved provider by the **NY** State Board of Physical Therapy for 18.6 contact hours.

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



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 18.5 hrs. - CE Broker



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).

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 - 2020

Jan 31-Feb 1	New Brunswick, NJ	Children's Specialized Hospital
March 14-15	Smyrna, TN	TriStar StoneCrest Medical Center
Aug 15-16	Jacksonville, FL	St. Vincent'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.

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Limited enrollment. We encourage you to register online!

Intervention in the NICU/Roberta Gatlin

☐ Jan/NJ ☐ March/TN

Course Registration Form

Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Home Phone: _____ Work Phone: _____

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Needed in the event of an emergency scheduling change

Email: _____

Please clearly print your email address for course confirmation

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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.

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