

Advanced Practice for the Complex Neonate:

Strategies for Success in the NICU, PICU and SICU

Anjanette Lee, MS, CCC/SLP, CNT



Faculty

Anjanette Lee is an accomplished speaker with more than 25 years' experience in the NICU, receiving NIDCAP certification in 1999 and then helping her NICU's quality improvement team incorporate family centered and neuroprotective care practices as standards of care. Anjanette is also certified in Neonatal Touch & Massage and one of the first Certified Neonatal Therapists in the nation. Anjanette provides mentorship for other Neonatal Therapists and NICU staff both within the Memorial Hermann System and across the nation. She has co-authored chapters in Kenner & McGrath's 1st edition of *Developmental Care of Newborns & Infants*, and Case-Smith and O'Brien's 7th edition of *Occupational Therapy for Children*. Anjanette serves as co-chair of the National Association of Neonatal Therapists Professional Collaborative, serves on the NANT national conference planning committee and is also an educator for the NANT Ignite program.

Disclosure: Financial: Ms. Lee receives a speaking fee from Education Resources, Inc. Non-Financial: No non-financial disclosures to report.

About this Live Webinar

This course will provide the experienced clinician with in-depth knowledge of the developmental consequences and physiologic obstacles faced by infants born with Cardiac, Respiratory and/or Neurologic Diagnoses. Information for both full-term and pre-term infants will be provided, along with the current literature reporting on long-term outcomes. Functional information will be a strong focus to ensure the audience can immediately apply advanced critical thinking skills and strategies to their caseloads. Topics approached from a neuroprotective framework will include handling, positioning, oral care, feeding/swallowing and sensory processing. Infant directed therapy with implications for frequency and intensity will be discussed. A strong focus will be placed on developmental appropriateness, research efficacy, and both professional and family caregiver education. The use of videos and real-life experience will make this course engaging, interactive and functional to any clinician looking to make real progress with the children on their caseload with complex medical issues.

Objectives

- 1 Describe the in-depth anatomy and physiology of disordered functions of the Cardiac, Respiratory and Neurologic Systems, along with the possible positive and negative impacts of various medical and therapeutic interventions.
- 2 Explain how each comorbidity impacts neurodevelopment and the attainment of typical milestones in pre-term and full-term infants.
- 3 Analyze the research reporting on long-term outcomes for infants with complex medical histories.
- 4 Apply appropriate strategies, across all therapy domains, to improve short-term and long-term outcomes in these infants.
- 5 Explain how to create a "multidisciplinary team" for all infants, with the focus being strong collaboration with parents and other medical providers.
- 6 Incorporate theories of neuro-developmental care and family-centered care into clinical practices.

Audience

Neonatal therapists, PTs, OTs, SLPs with experience working with infants in the Neonatal Intensive Care Unit.

Help your patients achieve better outcomes.

Schedule – Day 1 9:40 am – 6:00 pm EST (US)

- 9:40-10:00 Webinar Registration/Zoom Course Opens
- 10:00-12:00 Typical Development of the Respiratory System
- Anatomy and Physiology
 - Fetal – Newborn – 3 Months
- Neonatal Respiratory Conditions including full-term pathology, pre-term pathology and congenital anomalies
- Disordered Physiology and Expected Bedside Presentation
 - Diagnostic Assessments and Medical Interventions
 - Clinical Reasoning – Developmental Impact and Habilitative Strategies.
 - Long Term Developmental Outcomes
- 12:00-12:15 Break
- 12:15-2:00 Respiratory Devices, strategies to optimize therapy sessions and developmental outcomes when devices are necessary.
- Mechanical Ventilation
 - Nasal CPAP
 - Hi Flow Nasal Cannula
- 2:00-2:30 Lunch
- 2:30-4:00 Typical Development of the Cardiac System
- Anatomy and Physiology
 - Fetal – Newborn – 3 Months
- Physiology of Heart Failure
- 4:00-4:15 Break
- 4:15-6:00 Neonatal Cardiac Conditions, cyanotic and acyanotic, including common premature cardiac variants and congenital heart defects.
- Disordered Physiology and Expected Bedside Presentation
 - Diagnostic Assessments and Medical Interventions
 - Clinical Reasoning – Developmental Impact and Habilitative Strategies.
 - Long Term Developmental Outcomes

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

- 9:40-10:00 Webinar Registration/Zoom Course Opens
- 10:00-12:00 Typical Development of the Neurologic System
- Anatomy and Physiology
 - Fetal – Newborn – 3 Months
- Neonatal Neurologic Conditions, both congenital and acquired conditions, as well as typical clinical manifestations
- Disordered Physiology and Expected Bedside Presentation
 - Diagnostic Assessments and Medical Interventions
 - Clinical Reasoning–Developmental Impact and Habilitative Strategies.
 - Long Term Developmental Outcomes
- 12:00-12:15 Break
- 12:15-2:00 Prematurity: Impact on Postnatal Brain Development
- Basic Science of Neural Enrichment and Deprivation
 - Environmental Inputs
 - Early Relational Trauma & Neurobiological Alterations
- 2:00-2:30 Lunch
- 2:30-4:00 Overview of Neuro-Developmental Care and Appropriate Intervention Strategies
- Handling/Positioning
 - Sensory Processing
 - Pre-Feeding Oral Care
 - Feeding/Swallowing
- 4:00-4:15 Break
- 4:15-6:00 Overview of Neuro-Developmental Care and Appropriate Intervention Strategies (cont'd)
- Parent Education to Optimize Family-Centered Care and Neuro-Protection
- Strategies to implement models
- Staff Education to Optimize Neuro-Protection and Functional Outcomes
- Case Studies-Working a Differential Diagnosis-Seeing all of the Parts of the Puzzle

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Credits

This course meets the criteria for 14 contact hours (1.4) CEUs, Intermediate Level.



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NBCOT professional development provider – 14 PDU's.

Approved provider of the FL Board of Occupational Therapy-CE Broker 16.5- hours. This course meets the approval of the TX Board of OT Examiners.

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.



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This program has been submitted for approval of 14 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. This course meets the criteria for 14 hours that can be applied toward the Neonatal Therapy National Certification.

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 NJ Board of Physical Therapy Examiners. Application has been made to the FL Physical Therapy Association for 16.5 continuing education contact hours.

Approved sponsor by the State of IL Department of Financial and Professional Regulation for Physical Therapy for 16.5 contact hours. Approved provider by the NY State Board of Physical Therapy for 16.8 contact hours (1.68 CEUs). Application has been made to Illinois EI Training Program.

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Please contact us with any special needs requests: info@educationresourcesinc.com or 800-487-6530

WEBINAR DATES AND TIMES

August 20-21, 2021

9:40am EST • 8:40am CST • 7:40am MST • 6:40am PST

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.



\$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!

**WEBINAR: Advanced Practice for the Complex Neonate:
Strategies for Success in the NICU, PICU and SICU/AJ Lee
 August 20-21, 2021**

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