

# Advance 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 Course

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

<b>8:00-8:30</b>	Registration/Continental Breakfast
<b>8:30-9:15</b>	Typical Development of the Respiratory System <ul style="list-style-type: none"> <li>Anatomy and Physiology</li> <li>Fetal – Newborn – 3 Months</li> </ul>
<b>9:15-11:00</b>	Neonatal Respiratory Conditions including full-term pathology, pre-term pathology and congenital anomalies <ul style="list-style-type: none"> <li>Disordered Physiology and Expected Bedside Presentation</li> <li>Diagnostic Assessments and Medical Interventions</li> <li>Clinical Reasoning – Developmental Impact and Habilitative Strategies.</li> <li>Long Term Developmental Outcomes</li> </ul>
<b>11:00-11:15</b>	Break
<b>11:15-12:30</b>	Respiratory Devices, strategies to optimize therapy sessions and developmental outcomes when devices are necessary. <ul style="list-style-type: none"> <li>Mechanical Ventilation</li> <li>Nasal CPAP</li> <li>Hi Flow Nasal Cannula</li> </ul> Respiratory Therapy: interprofessional collaboration
<b>12:30-1:30</b>	<b>Lunch (On Your Own)</b>
<b>1:30-2:30</b>	Typical Development of the Cardiac System <ul style="list-style-type: none"> <li>Anatomy and Physiology</li> <li>Fetal – Newborn – 3 Months</li> </ul>
<b>2:30-2:45</b>	Break
<b>2:45-3:15</b>	Physiology of Heart Failure
<b>3:15-5:00</b>	Neonatal Cardiac Conditions, both cyanotic and acyanotic, including common premature cardiac variants and congenital heart defects. <ul style="list-style-type: none"> <li>Disordered Physiology and Expected Bedside Presentation</li> <li>Diagnostic Assessments and Medical Interventions</li> <li>Clinical Reasoning – Developmental Impact and Habilitative Strategies.</li> <li>Long Term Developmental Outcomes</li> </ul>

## Schedule – Day 2

<b>8:00-8:30</b>	Continental Breakfast
<b>8:30-9:00</b>	Typical Development of the Neurologic System <ul style="list-style-type: none"> <li>Anatomy and Physiology</li> <li>Fetal – Newborn – 3 Months</li> </ul>
<b>9:00-10:30</b>	Neonatal Neurologic Conditions, both congenital and acquired conditions, as well as typical clinical manifestations <ul style="list-style-type: none"> <li>Disordered Physiology and Expected Bedside Presentation</li> <li>Diagnostic Assessments and Medical Interventions</li> <li>Clinical Reasoning – Developmental Impact and Habilitative Strategies.</li> <li>Long Term Developmental Outcomes</li> </ul>
<b>10:30-10:45</b>	Break
<b>10:45-11:30</b>	Prematurity: Impact on Postnatal Brain Development <ul style="list-style-type: none"> <li>Basic Science of Neural Enrichment and Deprivation</li> <li>Environmental Inputs</li> <li>Early Relational Trauma &amp; Neurobiological Alterations</li> </ul>
<b>11:30-12:30</b>	Lunch (On your Own)
<b>12:30-2:15</b>	Overview of Neuro-Developmental Care and Appropriate Intervention Strategies <ul style="list-style-type: none"> <li>Handling/Positioning</li> <li>Sensory Processing</li> <li>Pre-Feeding Oral Care</li> <li>Feeding/Swallowing</li> </ul>
<b>2:15-2:30</b>	Break
<b>2:30-3:15</b>	Parent Education to Optimize Family-Centered Care and Neuro-Protection <ul style="list-style-type: none"> <li>Strategies to implement models</li> <li>Case studies/scripted language</li> </ul>
<b>3:15-4:00</b>	Staff Education to Optimize Neuro-Protection and Functional Outcomes

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Approved provider by the **NY** State Board of Physical Therapy for 15.6 contact hours.

Application has been made to the **FL** Physical Therapy Association for 15.5 continuing education contact hours.



Approved provider of continuing education by the American Occupational Therapy Association #3043, for 13 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. NBCOT professional development provider-15 PDUs.

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This course is offered for up to 1.3 ASHA CEUs (Intermediate level, Professional area).

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.

## Locations and Dates - 2020

<b>June 13-14</b>	Boston, MA	Tufts Medical Center
<b>Sept 12-13</b>	Las Vegas, NV	Summerlin Hospital Medical Center
<b>Oct 3-4</b>	Jacksonville, FL	UF Health North
<b>Nov 21-22</b>	Portland, OR	Providence St. Vincent Medical Center
<b>Dec 4-5</b>	Valhalla, NY	Blythedale Children's Hospital



\$435 fee. Group rate (3 or more) must be made 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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### Clinical Application of Pathophysiology /Lee

☐ June/MA ☐ Sept/NV ☐ Oct/FL ☐ Nov/OR ☐ Dec/NY

### Course Registration Form

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Please clearly print your email address for course confirmation

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