

Advanced Practice for the Complex Neonate:

Strategies for Success in the NICU, PICU and SICU

Anjanette Lee, MS, CCC/SLP, CNT



Faculty

Anjanette Lee, MS, CCC/SLP, CNT, NTMTC has over 25 years' experience in the NICU, receiving NIDCAP certification in 1999 and then helping her NICU's quality improvement team incorporate family centered, neuroprotective, and neuropromotive care practices as standards of care. As an imbedded NICU therapist, she is passionate about sharing knowledge with and utilizing all members of the neonate's care team to support best neurodevelopmental outcomes. As a result, Anjanette provides ongoing education and mentorship for other Neonatal Therapists and NICU staff both within her hospital system and across the nation. Anjanette is certified in Neonatal Touch & Massage and was one of the first Certified Neonatal Therapists in the nation. She has co-authored chapters in Kenner & McGrath's 1st edition of *Developmental Care of Newborns & Infants*, and Case-Smith & O'Brien's 7th edition of *Occupational Therapy for Children*. She serves as co-leader of the National Association of Neonatal Therapists Professional Collaborative and has co-authored NANT's Neonatal Therapy Core Scope of Practice and Practice Competencies for the Neonatal Therapist. Anjanette also serves on the NANT national conference planning committee and is part of the teaching faculty 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 in-depth knowledge of the general prenatal and postnatal physiologic processes of common neonatal cardiac, respiratory, and neurologic diagnoses along with the developmental consequences and physiologic obstacles faced by pre-term and full-term infants born with these diagnoses. Recent research will be reviewed to bring the neonatal therapist up to date on long-term outcomes as well as current and possible future medical management and developmental interventions. Identification and synthesis of medical, caregiving, family/social, and diagnostic information will be a strong focus to ensure therapists can immediately apply advanced critical thinking skills and strategies to their caseloads. Topics approached from an integrated neuroprotective NICU team framework will include handling, positioning, oral care, feeding/swallowing and sensory processing. Infant directed intervention 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 an impact for the infants on their caseload with complex medical issues.

Objectives

- Identify the in-depth anatomy and physiology of disordered functions of the cardiac, respiratory, and neurologic systems of the complex neonate.
- Relate the possible positive and negative impacts of various medical interventions used with disordered functions of the cardiac, respiratory, and neurologic systems.
- Correlate how each comorbidity impacts neurodevelopment and the attainment of typical milestones in pre-term and full-term infants.
- Compare long-term outcomes for infants with complex medical histories as presented in recent evidenced-based research.
- Apply appropriate therapeutic strategies across all therapy domains to facilitate improved short-term and long-term outcomes in medically complex infants.
- Apply a multidisciplinary team approach for all infants, with the main focus being strong collaboration with parents and other medical professionals.

Help your patients achieve better outcomes.

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

- 9:40-10:00** Webinar Registration/Zoom Course Opens
- 10:00-12:00** Typical development of the respiratory system & application for the Neonatal Therapist
- Anatomy and Physiology
 - The Pump & The Load
 - Rib cage, accessory muscles, diaphragm development
 - Fetal - Newborn - 3 Months
- Neonatal Respiratory Conditions
- Each condition to include discussion of disordered physiology and expected bedside presentation, diagnostic assessments and medical interventions, clinical reasoning, developmental impact, and long-term developmental outcomes
- Full-term pathology - Meconium Aspiration Syndrome, Persistent Pulmonary Hypertension
 - Pre-term pathology - Bronchopulmonary Dysplasia/Chronic Lung Disease
 - Term/Preterm pathology - Pneumothorax, Pleural Effusion
 - Congenital anomalies - Diaphragmatic Hernia, Choanal Atresia, Laryngeal Cleft
- 12:00-12:15** Break
- 12:15-2:00** Neonatal Respiratory Conditions (cont'd)
- Other Respiratory Considerations - Tracheostomy, Neuromuscular Disorders
- Habilitative Strategies - Part 1
- Respiratory Devices, neurodevelopmental impact, and developmental outcomes.
- Mechanical Ventilation - Conventional, Jet, Oscillatory
 - Nasal CPAP - Conventional, Bubble, Variable Flow
 - Hi Flow Nasal Cannula
- Habilitative Strategies - Part 2

Schedule – Day 1 (Cont.) 9:40 am to 6 pm EST (US)

- 2:00-2:30** Lunch
- 2:30-4:00** Respiratory Therapy: roles and interprofessional collaboration
- Breathing as a Team Sport
 - Sharing Neuroprotective Knowledge to
 - Support Optimal Respiratory Function
- Typical development of the cardiac system and application for the Neonatal Therapist
- Anatomy and Physiology
 - Fetal - Newborn - 3 Months
- Physiology of Heart Failure
- 4:00-4:15** Break
- 4:15-6:00** Neonatal Cardiac Conditions
- Each condition to include discussion of disordered physiology and expected bedside presentation, diagnostic assessments and medical interventions, clinical reasoning, developmental impact, and long-term developmental outcomes
- Acyanotic Defects – Patent Ductus Arteriosus, Ventricular Septal Defect, Atrial Septal Defect, Atrioventricular Septal Defect, Aortic Stenosis, Coarctation of the Aorta
 - Cyanotic Defects – Transposition of the Great Arteries
 - Cyanotic Defects – Tetralogy of Fallot, Tricuspid Atresia, Pulmonary Atresia, Hypoplastic Left Heart Syndrome
- Habilitative Considerations and Strategies

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

- 9:40-10:00** Webinar Registration/Zoom Course Opens
- 10:00-12:00** Typical Development of the neurologic system and application for the Neonatal Therapist
- Anatomy and Physiology
 - Fetal – Newborn – 3 Months
- Neonatal Neurologic Conditions
- Each condition to include discussion of disordered physiology and expected bedside presentation, diagnostic assessments and medical interventions, clinical reasoning, developmental impact, and long-term developmental outcomes
- Congenital Conditions – Neural Tube Defects, Neuromuscular Disorders
 - Acquired Conditions – Hypoxic Ischemic Encephalopathy, Intraventricular Hemorrhage, Periventricular Leukomalacia, Posthemorrhagic Hydrocephalus
- 12:00-12:15** Break
- 12:15-2:00** Physiology of Seizures
- Physiology of Abnormal Tone
- Prematurity: Impact on Postnatal Brain Development
- Neural Plasticity
 - Basic Science of Neural Enrichment and Deprivation
 - Early Relational Trauma & Neurobiological Alterations
- Neuroprotective Care Guiding Concepts and Appropriate Intervention Strategies
- Healing Environment
 - Safeguarding Sleep
 - Optimizing Nutrition

Schedule – Day 2 (Cont.) 9:40 am to 6 pm EST (US)

- 2:00-2:30** Lunch
- 2:30-4:00** Neuroprotective Care Guiding Concepts and Appropriate Intervention Strategies (cont'd)
- Minimizing Stress & Pain
 - Protecting Skin
 - Positioning & Handling
 - Partnering with Families
- Intervention Strategies
- Handling & Positioning
 - Sensory Processing
 - Oral Feeding
- 4:00-3:15** Break
- 4:15-6:00** Parent & Staff Education Considerations for Optimizing Family-Centered Care and Neuroprotection
- Educator Attitudes, Knowledge, and Skills
 - Disparities in NICU Quality of Care
- Neonatal Therapy Practice Paradigm Shift
- Advanced Practice
 - Integrative Model
 - Transdisciplinary Model
- Putting it all together - Case Studies – Working a Differential Diagnosis – Seeing all the Parts to the Puzzle

Audience

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

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:

- Techniques you'll use the next day
- Peers who share your passion
- Renowned faculty
- Evidence-based courses that improve outcomes
- 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 2022.

Visit educationresourcesinc.com for all of your 2022 courses.

ERI Rewards

Your ERI experience is more rewarding than ever.

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

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

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



Education Resources Inc. is an AOTA Approved Provider of professional development. Course approval ID #04712. This Distance Learning-Interactive course is offered at 14 contact hours 1.4 CEUs. (Intermediate level-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 14 units. 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.



Education Resources Inc.
Intermediate level
1.4 ASHA CEUs

ASHA CE Provider approval and use of the Brand Block does not imply endorsement of course content, specific products or clinical procedures.

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.

Most Physical Therapy State Boards accept webinars as a live offering. Approved by the **FL** Physical Therapy Association for 16.5 continuing education contact hours.

This course meets the basic criteria of the **MD** Board of Physical Therapy Examiners for 1.4 CEU's. Approved by the **MN** Board of Physical Therapy.

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

Approved by the **OK** Board of Medical Licensure and Supervision for Physical Therapy.

Approved sponsor by the State of **IL** Department of Financial and Professional Regulation for Physical Therapy for 16.5 contact hours.

Approved by the **IL** EI training program. Approved provider by the **NY** State Board of Physical Therapy for 16.8 contact hours (1.68 CEUs). Education Resources, Inc. is an approved provider for Physical Therapy CEUs in the following states: **CA, KY** and **TX**. The following state boards of physical therapy accept other states' approval: **AK, AR, AZ, DC, DE, GA, HI, ID, IN, KS, MI, MO, MS, NC, OR, PA, RI, SC, UT, VA, VT, WI, WY**.

The following state boards of physical therapy either do not require course pre-approval or do not require CEUs for re-licensure: **AL, CO, CT, IA, MA, ME, MT, NE, ND, NH, SD, WA**.

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. This course meets the criteria for 12 hours that can be applied toward the Neonatal Therapy National Certification.

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

WEBINAR DATES AND TIMES

June 3 and 4, 2022

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**
☐ June 3-4, 2022

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. 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 _____