



# NANT 11

## Cultivating Connection



April 8-10, 2021



Virtual

SPONSORED BY: The National Association of Neonatal Therapists®

### NANT 11 Conference Poster Objectives

**01. Presenters:** Bobbi Pineda, PhD, OTR/L, CNT & Jenny Kwon, OTD/S

**Presentation Title:** Parental Stress While Providing Sensory Experiences to Preterm Infants in the NICU

**As a result of participation in this continuing education activity, participants should be able to:**

Describe the stress experience of parents while providing sensory experiences to their high-risk infants in the neonatal intensive care unit (NICU).

Examine the feasibility and clinical implications of using wearable sensors to identify stress in parents in the NICU.

**02. Presenters:** Nichole Lensing, PT, DPT, NTMTC & Jennie Jacob, MSPT, CNT, DCS, NTMTC

**Presentation Title:** Utilization of the Crown Cradle Positioning Aid for Cranial Molding During NICU Hospitalization

**As a result of participation in this continuing education activity, participants should be able to:**

Interpret cranial measurements in order to identify the need for the implementation of the crown cradle positioning aide.

List inclusion/exclusion criteria for use of the crown cradle positioning aide.

**03. Presenters:** Sujata Noronha, PT & Mousam Gala, PT

**Presentation Title:** Enhancing the Caregiving Approach in the NICU Using Behavior Cues to Build the Connection Between Neonatal Nurses and the Newborn

**As a result of participation in this continuing education activity, participants should be able to:**

Determine the improvement in the knowledge of the neonatal nurses about behavior cues during caregiving procedures, after a formal training programme.

Initiate and influence a positive change in the caregiving atmosphere in the NICU by implementation of training programme.

**04. Presenter:** Kimi Nishihara, OTD, OTR/L

**Presentation Title:** Shoulder Dystocia Outcomes Related to the Upper Extremity in the Neonatal Intensive Care Unit

**As a result of participation in this continuing education activity, participants should be able to:**

List the implications of shoulder dystocia outcomes on an infant's upper extremity as applied to the NICU environment.

Explain the significance of clinical judgment when evaluating and treating neuromuscular diagnoses of infants in a NICU environment.



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**05. Presenters:** Gina Brumfield, PT, DPT & Liz Manford, MOT, OTR/L, BCP  
**Presentation Title:** Finding N.E.M.O.: NICU Early Mobility Optimization

**As a result of participation in this continuing education activity, participants should be able to:**

Provide appropriate developmental support to facilitate optimal outcomes for patients intubated in the NICU.

Increase the percentage of infants (>37 weeks adjusted age, who meet baseline and medical criteria) who participated in Early Mobility activities to a minimum of 1X a week.

**06. Presenter:** Beth McGinnis, MOTR/L, IBCLC, NTMTC  
**Presentation Title:** Test Weights Used to Validate Active Breastfeeding Minutes and Establish Earlier Breastfeeding in the NICU

**As a result of participation in this continuing education activity, participants should be able to:**

Depict the relationship between preterm infant's test weight results and active minutes of breastfeeding.

Represent results from retrospective breastfeeding data to guide more accurate NICU recommendations for supplementation at the breast.

**07. Presenter:** Nanette Gremillion, MS, PT, CNT  
**Presentation Title:** The Quest for Optimization: Utilizing NFANT Technology to Determine Feeding Readiness in Infants Born

**As a result of participation in this continuing education activity, participants should be able to:**

Identify three parameters to assess oral motor suck performance when utilizing the NFANT Suite of Products when evaluating infants born less than 30 weeks Post Conceptual Age.

Explain the rationale behind the practice of initiation of oral feeding in premature infants using a slow flow nipple and the importance of progressing infants' feeding plan of care based on suck pattern skill development.

**08. Presenter:** Lavinia Teo, MS  
**Presentation Title:** The Application of International Dysphagia Diet Standardization Initiative (IDDSI) Framework in Preparation of Starch-Thickened Infant Formulas

**As a result of participation in this continuing education activity, participants should be able to:**

Report the corresponding IDDSI thickness levels of commonly-used thickened formulas prepared according to a 30ml milk: 1g starch thickener.

Describe trends in stability over time commonly-used thickened formulas prepared according to a 30ml milk: 1g starch thickener.



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- 09. Presenters:** Kimberly Clemens, PT, CNT, NTMTC & Betty Kuo, PT, CNT, NTMTC  
**Presentation Title:** A Case Series Demonstrating Limited Use of a Cranial Cup to Correct Deformational Plagiocephaly in a Level IV NICU

***As a result of participation in this continuing education activity, participants should be able to:***

State three risk factors for deformational plagiocephaly in preterm infants.

Discuss three possible adverse developmental outcomes for premature infants with deformational plagiocephaly.

- 10. Presenters:** Courtney Lichtenstein, MS, CCC-SLP, CNT & Raquel Garcia, SLPD, CCC-SLP, CNT, BCS-S  
**Presentation Title:** Cultivating Awareness: A Retrospective Review of Feeding Outcomes for Neonates with Hypoxic Ischemic Encephalopathy (HIE)

***As a result of participation in this continuing education activity, participants should be able to:***

Review the diagnosis and management of HIE.

Identify staging of HIE, cooling interventions, and clinical signs of HIE from a therapeutic lens.

- 11. Presenters:** Kellie Watson, OTS & Aimee Wakeman, MOTS  
**Presentation Title:** Videofluoroscopic Swallow Study Protocol for Infants with Pulmonary Hypertension

***As a result of participation in this continuing education activity, participants should be able to:***

Recognize the risk and consequences of untreated pulmonary hypertension, and additionally aspiration contributing to pulmonary hypertension, in infants.

Consider prevalence and correlation between pulmonary hypertension and aspiration in infants.

- 12. Presenter:** Stacey Belliard, DPT, CNT, NTMTC  
**Presentation Title:** Cerebral Palsy Early Detection Initiative

***As a result of participation in this continuing education activity, participants should be able to:***

Identify the need for early detection of Cerebral Palsy in the NICU population.

Recognize the value and challenges of an inter-professional approach to connecting NICU families in the high-risk infant population to appropriate services in the community.

- 13. Presenters:** Polly Kellner, MSOT, OTR/L & Jenny Kwon, OTD/S  
**Presentation Title:** Neurodevelopmental Outcomes Following Preterm Birth: Does PMA at NICU Discharge Matter?

***As a result of participation in this continuing education activity, participants should be able to:***

Define the prevalence of motor, cognitive and language delays in preterm infants born <32 weeks estimated gestational age.

Define timing of discharge from the NICU as it relates to neurodevelopmental outcomes in early childhood.



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- 14. Presenters:** Audrey Charpentier-Demers, OT, BSc & Catherine Demers, OT, MSc, PhD Candidate  
**Presentation Title:** **Implementing Positioning Best Practice in the Neonatal Intensive Care Unit: A Knowledge Translation Project**

***As a result of participation in this continuing education activity, participants should be able to:***

Identify strategies to achieve optimal positioning in the NICU.

Discuss opportunities for multidisciplinary team collaboration to implement evidence-based practice in the NICU.

- 15. Presenters:** Hana Mentzel, SLP, MA, CCC-SLP & Tiffany Hogan, MA, CCC-SLP, CLC  
**Presentation Title:** **Transforming the Role of Speech-Language Pathology in a Level III NICU from Rehab to 'Prehab'**

***As a result of participation in this continuing education activity, participants should be able to:***

Identify the benefits of early consultation and subsequent timely intervention of speech language pathology in the neonatal intensive care unit.

Discuss specific speech intervention, education, and interdisciplinary care strategies for pre-feeding and feeding skills as infants progress during their stay in the neonatal intensive care unit.

- 16. Presenters:** Catherine Demers, OT, MSc, PhD Candidate & Audrey Charpentier-Demers, OT, BSc  
**Presentation Title:** **Attaining Full Oral Feeding in the Neonatal Intensive Care Unit: A Quality Improvement Project**

***As a result of participation in this continuing education activity, participants should be able to:***

Identify strategies to achieve optimal feeding outcomes in the NICU.

Discuss opportunities for multidisciplinary team collaboration to implement evidence-based practice in the NICU.

- 17. Presenter:** Raquel J Garcia, SLPD, CCC-SLP, CNT, BCS-S  
**Presentation Title:** **Connecting the Dots: A Scoping Review of Direct Feeding Interventions Used with Neonates**

***As a result of participation in this continuing education activity, participants should be able to:***

Examine adaptive feeding interventions commonly used to maximize positive oral feeding acceptance, suck coordination, and airway protection.

Review the clinical science behind feeding interventions practiced in the neonatal intensive care unit.



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**18. Presenters:** Elaine McMahon & Celia Harding, MD

**Presentation Title:** Supporting Parents to Read to their Infants on a Level 2 Neonatal Unit: Launch of a Neonatal Library

***As a result of participation in this continuing education activity, participants should be able to:***

List the benefits of involving parents in early communication and literacy opportunities on the neonatal unit with improved outcomes for parent-infant interaction, communication skills; parental occupation and infant development.

Establish a Neonatal Library on their unit, including strategies to support all parents to engage in literacy and interaction with their infants.

**19. Presenter:** Marta Figueiredo, OTR/L, Professional Doctorate

**Presentation Title:** The Use of TeleHealth in Pediatric Occupational Therapy

***As a result of participation in this continuing education activity, participants should be able to:***

Identify the main concerns/issues of the mothers of babies who use social media to obtain answers.

Evidence the use of telehealth in pediatric occupational therapy and it's potential.

**20. Presenters:** Geetha Arora, OT & Sujata Noronha, PT

**Presentation Title:** Reflection on Connection: A Journey of Indian NICU Therapists

***As a result of participation in this continuing education activity, participants should be able to:***

Describe a parent empowerment program and initiate its use amongst their neonatal intensive care unit.

Discuss the benefits of the use of a parent empowerment program and the outcomes related to maternal stress, parenting self-efficacy, and maternal-infant attachment.