

Bridging the Gap: Outpatient Rehabilitation Considerations for the Infant with Cardiopulmonary Compromise Webinar



Children'sSM
Healthcare of Atlanta

Saturday, February 6 from 8:00 am-2:30 pm (EST)
Holly Schifsky, OTR/L, CNT, NTMTC, CBIS

Location

Conference presented virtually via Zoom Webinar (session will not be recorded)

Agenda (all times listed in Eastern Standard Time)

Saturday, February 6:

7:30-8:00 am	Sign-in to Webinar
8:00-9:00 am	Typical Development of the infant chest wall <ul style="list-style-type: none">-Review of anatomy and kinesiology of the chest wall, ribcage, and spine-Discussion of the developmental changes to the anatomical shape and function of these structures as related to gross motor development, postural control, feeding, and maturation
9:00-10:00 am	Cardiopulmonary system of the premature or critically ill term infant: anatomical differences, congenital heart defects, and vascularization. A therapist's guide for critical reasoning <ul style="list-style-type: none">-Review of cardiopulmonary system and the unique changes required for the infant to have a successful in-utero to extra-utero transition-Common congenital heart defects and effects on infant development-Discussion of post-surgical cardiac repair on the developing chest wall
10:00-10:15 am	<i>Break</i>
10:15am-12:00 pm	Assessment Techniques: Critical reasoning to assess breathing patterns for the premature or medically fragile infant, effects of cardiopulmonary co-morbidities, chest wall development, oral motor skills, and feeding skills <ul style="list-style-type: none">-Components of adaptive and maladaptive breathing patterns-Use of video presentation to analyze and assess breathing patterns for infants with cardiopulmonary conditions
12:00-12:30 pm	<i>Lunch</i>
12:30-2:00 pm	Treatment Interventions: Handling techniques to facilitate core development, oral motor skills, chest wall movement, feeding/swallowing, and caregiver education <ul style="list-style-type: none">-Video and lab demonstration on trunk facilitation to maximize infant motor development with concepts of energy conservation and breathing synchrony: facilitated tuck, abdominal activation, rolling facilitation, upright active sitting-Discuss of integration of sternal precautions into care plan and progression to upper extremity weight bearing-Oral motor assessment techniques: facilitation of tongue movement, oral structure support, and swallow activation-Feeding assessment to reduce risk of aspiration, increase caloric intake, and reduce weight loss
2:00-2:30 pm	Additional considerations <ul style="list-style-type: none">-The effect of scars on movement development-Gastrointestinal and Aerodigestive development as related to oral feeding with congenital cardiac condition-Pharmacological side affects-Caregiver Education-Case Study
2:30 pm	<i>Adjourn</i>

TOTAL CONTACT HOURS = 5.75

Course Description

This intermediate/advanced course will focus on the cardiopulmonary implications for the premature or medically fragile infant as related to their transition from inpatient hospitalization (NICU, PICU) to an outpatient rehabilitation level of care. The course will focus on congenital cardiac conditions, medical/surgical management, and outpatient rehabilitation interventions to maximize the infant's developmental and feeding skills. Discussion will include primary heart repair and staged palliative surgical interventions with treatment considerations for each care plan. Clinical assessment and treatment skills will be presented that will assess the infant's physiological stability, evolving motor control, sensory stability, and transition to oral motor skills that support feeding. This outpatient-focused course will advance the critical reasoning skills of the pediatric therapist to support the infant's ability to obtain foundational motor and sensory skills. These skills include the ability of the infant to cough and produce audible phonation, oral motor skills, swallow skills, trunk facilitation, and gestational age appropriate positioning/handling to support the emergence of gross motor skills for postural stability. The participant will learn movement analysis skills (via lab time and video presentations) to assess breathing patterns, facilitation techniques to support trunk development, positioning strategies to support maximal cardiac perfusion, and feeding techniques to optimize weight gain with energy conservation considerations. Current literature as relevant to this topic will be discussed and a systems theory approach for case study treatment planning will be applied.

Registration

Regular Webinar Registration	\$120
Children's Healthcare of Atlanta Staff	\$70

Register online today at <https://cvent.me/L8eOVB>

Contact michelle.moore@choa.org for more information.

In order to maximize the learning experience during lab time, each participant needs to have a soft body doll. The ideal size would be 10-15", but any soft body doll will work.

Course Objectives

At the conclusion of the conference, the participant will be better able to:

- Discuss anatomical and kinesiological developmental changes for the newborn chest wall as related to infants with congenital heart defects
- Discuss the effects of prematurity and cardiopulmonary co-morbidities on chest wall development and efficacy of movement development
- Identify the different classifications of congenital heart defects in infants
- Assess the effects of surgical heart interventions on gross motor movement, trunk development, swallowing, and feeding as related to infant development
- Incorporate postural support with positioning and handling of infants for improved chest wall mobility post heart repair during feeding and gross motor movement
- Integrate a systems approach to individualized care plan for the infant with cardiopulmonary compromise

Instructor

Holly Schifsky, OTR/L, CNT, NTMTC, CBIS is an Occupational Therapist who has worked in pediatrics for the past 24 years with the past 15 years in a level IV NICU. She is a Certified Neonatal Therapist, Certified Neonatal Touch and Massage Therapist, Certified Brain Injury therapist, an active member of National Association of Neonatal Therapists, and has completed 6-month mentorship in infant/child NDT. She has worked within the NICU and NICU follow-up clinic to maximize patient and family outcomes for the most complex premature and medically fragile term infants. Holly received her bachelor's degree in Occupational therapy from the University of North Dakota in 1997. She has dedicated her career to clinical care and advancing developmental care practice patterns for all multidisciplinary team members. She has presented at many regional and national conferences including the National Association of Neonatal Therapists (NANT), Audrey Harris Vision NICU conference, and the University of Minnesota NICU conference. She provides frequent Developmental Care, Feeding Intervention, and NICU education throughout the country. She is a faculty member for

Education Resources Incorporated and for the Neonatal Touch and Massage certification. She is the recipient of the National Association of Neonatal Therapists Clinical Excellence award in 2018 due to her clinical expertise and dedication to advancing the therapeutic interventions for NICU infants with cardiopulmonary conditions.

Instructor Disclosures: *Financial:* Receiving an honorarium from Children’s Healthcare of Atlanta for this presentation; also receives honoraria from Education Resources, Inc. and Neonatal Touch and Massage for teaching. *Non-Financial:* none.

Target Audience

This course is recommended for intermediate to advanced level outpatient pediatric or neonatal therapists (PTs, PTAs, OTs, OTAs, and SLPs) working with infants that have congenital cardiac defects.

Continuing Education

Continuing Education Credits have been applied for/approved through the **APTA Georgia** for **5.75 contact hours** for Physical Therapists. These credits may apply toward licensure in other states.

Direct contact hours have been applied for/approved through the **Georgia Occupational Therapy Association (GOTA)** for **5.75 contact hours** for Occupational Therapists. These credits may apply toward licensure in other states.



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If you must cancel your conference registration, notify us at least seven days before the course and we will issue a refund, minus a \$25 administrative fee. No-shows or cancellations received less than seven days prior to the course will not receive a refund.

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