

**APLUS Conference: Optimizing Noninvasive
Respiratory Support in Extremely Preterm Infants**
Friday, Nov. 8, 2024



Course Directors: Venkatakrishna Kakkilaya, M.D., Lorraine Bautista, M.D. and Vishal Kapadia, M.D.

PROGRAM OVERVIEW

This is a one-day conference tailored for neonatology professionals, focuses on diverse facets of noninvasive respiratory support and offers attendees a comprehensive understanding of the latest methodologies and best practices for extremely preterm infants. Through four hours of didactic sessions and three hours of hands-on training, attendees will gain expertise in techniques such as delivery room stabilization, management of CPAP in delivery room transport and NICU, less invasive surfactant administration (LISA) utilizing thin catheters, and surfactant administration via supraglottic airways (SALSA). They will also gain understanding in the use of lung ultrasound examination to predict CPAP failure (need for mechanical ventilation within 72 hours of life) and bronchopulmonary dysplasia. Participants will have an interactive workshop enabling learners to develop effective Quality Improvement teams for long-term, sustainable change. With a track record of multiple publications and extensive expertise, our faculty ensures an enriching learning experience that promises to advance the standards of neonatal care.

TARGET AUDIENCE

This activity is intended for professionals in neonatology, including neonatologists, fellows, pediatric residents, advance practice providers, nurses, and respiratory therapists dedicated to the care of pre-term infants.

EDUCATIONAL OBJECTIVES

At the conclusion of this activity, the participant should be able to:

1. Apply effective face mask positive pressure ventilation to extremely preterm infants at birth and stabilize infants on CPAP.
2. Optimize CPAP and perform Less Invasive Surfactant Administration (thin catheter) procedure using both conventional and video laryngoscopy approach.
3. Perform the SALSA procedure.
4. Discuss the development of unit-based strategies to implement successful noninvasive support which can be part of a Quality Improvement initiative.

EDUCATIONAL METHODS

Didactic Presentations, Presentation Slides, Hands-on simulation, Question and Answer Session

ACCREDITATION AND DESIGNATION STATEMENTS

The University of Texas Southwestern Medical Center at Dallas is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Texas Southwestern Medical Center designates this live activity for a maximum of 6.75 *AMA PRA Category 1 Credits™* (Virtual Didactic ONLY: a maximum of 3.75 *AMA PRA Category 1 Credits™*). Physicians should only claim credit commensurate with the extent of their participation in the activity.

Nursing Continuing Professional Development (NCPD): UT Southwestern Medical Center is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation. This activity provides 3.75 Contact Hour(s) for the online didactic session and 6.75 Contact Hour(s) for the entire conference.

DISCLOSURE OF INELIGIBLE COMPANIES

It is the policy of the CME Office at The University of Texas Southwestern Medical Center to ensure balance, independence, objectivity, and scientific rigor in all directly sponsored or jointly provided educational activities. In accordance with the Accreditation Council for Continuing Medical Education (ACCME) Standards for Integrity and independence in Accredited Continuing Education, all persons in the position to control the content of an education activity are required to disclose all financial relationships in any amount occurring within the past 24 months with any ineligible company (any entity whose primary business is producing, marketing, selling, re-selling, or distributing health care goods or services consumed by, or used on patients). UT Southwestern also considers ineligible those companies producing, marketing, selling, re-selling, or distributing healthcare products in development for future use on patients, such as healthcare product research companies. All reported financial relationships with ineligible companies are reviewed for relevancy and then mitigated through a content review process prior to the activity (where applicable).

FACULTY DISCLOSURES

The following is a listing of all individuals that contributed to the educational content of this activity and any reported financial relationships within the last 24 months (**all persons in control of content not itemized below reported no relevant financial relationships**):

Name	Role in Program	Financial Relationship Disclosed
Venkatakrishna Kakkilaya	Course Director, Speaker	Professional Services: Chiesi Grant or Contract: Chiesi; Spark Biomedical
Angela Kribs	Speaker	Independent Contractor: Chiesi
Belinda Chan	Speaker	Grant: Chiesi
Yogen Singh	Speaker	Professional Services: Chiesi, GE
Kari Roberts	Moderator	Patent: ONY Biotech Professional Services: ONY Biotech, Chiesi

GENERAL INFORMATION

CME or Attendance Evaluations and Certificates

The online course evaluation will be available immediately following the conference. The evaluation is an important tool for assessing the effectiveness of this activity as well as for planning future activities. We value your feedback.

CME Certificates will be available online after completion of the evaluation. You will receive an email with the direct evaluation link upon confirmation of your attendance to the conference (<https://cme.utsouthwestern.edu/RP2411A>).

Once you are logged in, select "take course", complete the evaluation and quiz, and claim your certificate. If you have any questions regarding your certificate, you may direct them to: cmeregistrations@utsouthwestern.edu

CNE Evaluations and Certificates

To receive 6.75 NCPD hours for this activity, the participant must:

- Attend in-person at least 95% of the activity
- Complete a post activity evaluation - You will receive an email with the direct evaluation link upon confirmation of your attendance to the conference

For NCPD questions, please email nursingcontinuingprofessionaldevelopment@utsouthwestern.edu

Disclaimer

This symposium has been planned to be well-balanced and objective in discussion of comparative treatment regimens, and the symposium format allows for the free scientific exchange of ideas. Information and opinions offered by the speakers represent their viewpoints. Conclusions drawn by the audience should be derived from careful consideration of all available scientific information.

ACKNOWLEDGMENTS

Educational Grants

The University of Texas Southwestern Medical Center gratefully acknowledges educational grant from the following companies in support of this CME activity:

Chiesi USA

In-Kind Donations

The University of Texas Southwestern Medical Center gratefully acknowledges in-kind equipment donations from the following companies in support of this CME activity:

Laerdal Medical

GE Healthcare

Exhibitors

The University of Texas Southwestern Medical Center gratefully acknowledges the exhibitor(s) from the following companies in support of this CME activity:

Chiesi USA

Sentec

Fisher & Paykel Healthcare

**Advances in Premature Lung Protection:
“Optimizing Noninvasive Respiratory Support in Extremely Preterm Infants”
Friday, November 8, 2024**

Onsite and Virtual Didactic Session

7:00 - 7:45 am	Registration / Sign in / Breakfast / Exhibitor Visit	
7:45 – 8:00 am	Welcome and Introduction	
8:00 - 8:45 am	“Preventing Bronchopulmonary Dysplasia – Knowledge, Implementation, and Attitudes” Panel Discussion: Veeral Tolia, MD & Vishal Kapadia, MD	Kanekal Gautham, MD University of Central Florida, Orlando, FL
8:45 - 9:30 am	“Non-Invasive Respiratory Support for 22–23-week Gestational Age Infants” Panel Discussion: Kari Roberts, MD & Venkat Kakkilaya, MD	Angela Kribs, MD Cologne University, Germany
9:30 – 10:15 am	“Lung Ultrasound in the Management of RDS” Panel Discussion: Ziad Alhassen, MD, Majula Mudduluru, MD, & Arun Prasath, MD	Yogen Singh, MBBS, MD UC Davis Health, Sacramento, CA Belinda Chan, MD University of Utah, Salt Lake City, UT
10:15 - 10:30 am	Networking Break / Exhibit Visit	
10:30 – 11:15 am	Improving outcomes of tiny infants: “Tiniest Texan” & “The Parkland Tiny Baby Bundle” Panel Discussion: Valerie Simcik, RN, Susan Harville, RN & Samantha Doup, RN, Kristi Garcia, RT	Bailey Kraiss, RN Baylor Scott & White Health, Dallas, TX Amelia Snead, RN Parkland Health, Dallas TX
11:15 am - 12:00 pm	“Predictors of LISA Failure” Panel Discussion: Nathan Sundgren, MD, Arpitha Chiruvolu, MD, & Anson Tang, MD	Venkat Kakkilaya, MBBS, MD UT Southwestern Medical Center, Dallas, TX
12:00 - 1:00 pm	Lunch / Exhibit Visit	

WORKSHOPS 1-4:30 pm (Simulation Center, 5th Floor)

Hands-on Skills Stations		Workshop Instructors
30 mins	Lung Point-of-Care Ultrasound (POCUS)	Belinda Chan, MD & Yogen Singh, MD
5 mins	Rotate / Break	
30 mins	Stabilization of Tiny Babies in the Delivery Room	Vishal Kapadia, MD, Katherine Stumpf, MD, Melody Chiu, MD, Emma Ramon, RN & Amelia Snead, RN, Valerie Simcik, RN
5 mins	Rotate / Break	
30 mins	CPAP Management in Tiny Babies	Venkat Kakkilaya, MD, Susan Harville & Kristi Garcia, RRT
10 mins	Rotate / Break/Refreshments	
30 mins	Less Invasive Surfactant Administration (LISA)	Lorraine Bautista, MD, Efrén Diaz, MD, Lebanon David, NNP, Cari Brown, RN, Millagros Sevilla, RT
5 mins	Rotate / Break	
30 mins	Surfactant Administered through Laryngeal or Supraglottic Airways (SALSA)	Kari Roberts, MD & Chelsea Houston, RN
5 mins	Rotate / Break	
30 mins	Ensuring Success with Respiratory Quality Improvement	Kanekal Gautham, MD
4:30 pm	Adjourn	

For access to Conference Resources please visit our course website:

