

**APLUS Conference 2023: Say No to  
Mechanical Ventilation in Preterm Infants**

Friday, October 27, 2023



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

**PROGRAM OVERVIEW**

This one day conference and workshop will include 3 hours of didactic sessions about the non-invasive respiratory support at birth and neonatal care unit. The hands on sessions following will provide training on skills needed in stabilizing extremely preterm infants on continuous positive airway pressure, less invasive surfactant administration using thin catheter, surfactant administration using supraglottic airway and performing lung ultrasound. This activity is unique due to its focus on different aspects of non-invasive respiratory support. Our team of physicians are topic experts with multiple publications on this area.

**TARGET AUDIENCE**

This activity is intended for neonatologists, pediatric residents, neonatology fellows, advanced practice providers (PAs/NPs), nurses and respiratory therapists caring for preterm infants.

**EDUCATIONAL OBJECTIVES**

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

1. Discuss the opportunities and challenges of noninvasive support of preterm infants.
2. Apply Hands on strategies for optimizing face mask positive pressure ventilation (PPV) in extremely preterm infants in the DR.
3. Identify and discuss strategies to optimize CPAP in DR, transport and NICU.
4. Apply less invasive surfactant administration (LISA), using direct laryngoscopy and video laryngoscopy.
5. Discussion and hands on learning application of SALSA in preterm infants.
6. Discuss the role of POC lung ultrasound in the respiratory management of preterm infants and hands on learning using simulation modules.

**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 7.0 *AMA PRA Category 1 Credits™* (Virtual Didactic ONLY: a maximum of 4.25 *AMA PRA Category 1 Credits™*). Physicians should only claim credit commensurate with the extent of their participation in the activity.

Parkland Health is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

Nursing Continuing Professional Development (NCPD) Hours:

To receive 7.0 NCPD hours for this activity, the participant must:

- Attend in-person at least 95% of the activity
- Complete a post activity evaluation

## 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, 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
Kari Roberts	Speaker	<b>Patent:</b> ONY Biotech <b>Consultant:</b> ONY Biotech

## 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/RP2310C>).

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](mailto:cmeregistrations@utsouthwestern.edu)

### CNE Evaluations and Certificates

To receive 7.0 NCPD hours for this activity, the participant must:

- Attend in-person at least 95% of the activity
- Complete a post activity evaluation (click on link or scan QR Code below):

[https://surveys.parklandhealth.org/jfe/form/SV\\_eWHAPCLO5ZVYpDM](https://surveys.parklandhealth.org/jfe/form/SV_eWHAPCLO5ZVYpDM)



### 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(s) from the following companies in support of this CME activity:

**Chiesi USA**

### **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**

**Fisher & Paykel Healthcare**

**Advances in Premature Lung Protection at UT Southwestern 2023:  
 "Say No to Mechanical Ventilation in Preterm Infants"  
 Friday, October 27, 2023**

**Onsite and Virtual Didactic Session**

7:30 - 8:00 am	Registration / Sign in / Breakfast / Exhibitor Visit	
8:00 - 9:00 am	Keynote Lecture: "Less Invasive Surfactant Therapy in Extremely Preterm Infants: Opportunities and Challenges"	Dr. Angela Kribs, MD Cologne University, Germany
9:00 - 9:15 am	Keynote Lecture: Q&A	
9:15 - 10:00 am	Preventing Intubation in the Delivery Room: First Step in "Say No to Mechanical Ventilation"	Dr. Vishal Kapadia, MD UT Southwestern Medical Center, Dallas, TX
10:00 - 10:30 am	Networking Break / Exhibit Visit	
10:30 - 11:15 am	Say No to Mechanical Ventilation: Strategies to Optimize Non Invasive Support in the NICU	Dr. Venkat Kakkilaya, MBBS UT Southwestern Medical Center, Dallas, TX
11:15 am - 12:00 pm	Surfactant Administration through Laryngeal or Supraglottic Airway	Dr. Kari Roberts, MD University of Minnesota, Minneapolis, MN
12:00 - 12:45 pm	Lung Ultrasound in Neonatology	Dalibor Kurepa, MD Zucker School of Medicine, Hofstra, NY
12:45 - 1:30 pm	Lunch / Exhibit Visit	

**WORKSHOPS**

<b>Onsite Workshop and Skills Stations</b>		<b>Objective</b>
1:30 - 1:55 pm	Skill Station 1: 23 wk infant requiring PPV in DR	Highlight the importance of face mask PPV and MR SOPA corrective steps in the DR to avoid the need for intubation. Debriefing in real time.
1:55 - 2:00 pm	Rotate / Break	
2:00 - 2:25 pm	Skill Station 2: 23 week infant stabilization on CPAP in the DR and NICU	Highlight optimal CPAP set up in DR and NICU, timely interventions for maintaining adequate FRC. Achieving best outcomes with QI in any setting.
2:25 - 2:30 pm	Rotate / Break	
2:30 - 2:55 pm	Skill Station 3: 23 wk infant on CPAP getting LISA by using conventional laryngoscopy	Hands on learning of LISA procedure using conventional laryngoscopy.
2:55 - 3:00 pm	Rotate / Break	
3:00 - 3:25 pm	Skill Station 4: 23 wk infant on CPAP getting LISA by using video laryngoscopy.	Hands on learning of LISA procedure using video laryngoscopy.
3:25 - 3:30 pm	Rotate / Break	
3:30 - 3:55 pm	Skill Station 5: 32 wk infant on CPAP getting SALSA	Hands on learning of SALSA procedure.
3:55 - 4:00 pm	Rotate / Break	
4:00 - 4:25 pm	Skill Station 6: POC lung ultrasound	Hands on learning of LUS in the evaluation of RDS, pneumothorax, pulmonary edema, BPD and other diseases.
4:25 - 4:45 pm	Wrap-up / Final Questions / Adjourn	