



# Cutting-Edge Topics in Pediatric Airway

**Saturday, March 7, 2026**

**The HUB for Clinical Collaboration  
on CHOP's Main Campus**



## Course Overview

This comprehensive, multidisciplinary course offers airway training to a national and international audience. It provides participants with the essential evidenced-based knowledge and technical skills to manage anticipated and unanticipated pediatric difficult airways in the operating room, emergency department intensive care units and diverse clinical settings. The conference integrates a variety of educational formats including didactic lectures, extensive hands-on practice at the stations, immersive simulation workshops and expert panel discussions. The course is ideally suited for anesthesiology, critical care medicine, emergency medicine and ENT practitioners.

## General Information

The conference will be held in the HUB for Clinical Collaboration building on the main campus of Children's Hospital of Philadelphia. The registration fee includes continental breakfast, breaks, lunch, and syllabus material.

**Registration fee:** \$250

## Course Objectives

- Incorporate into practice effective strategies and techniques for predicting and managing pediatric difficult airway, per the latest evidence-based data
- Recognize and safely plan for the physiologically difficult airway
- Formulate a plan for management of anesthetic depth and oxygenation when caring for a child with a difficult airway
- Acquire skills for alternative ventilation and oxygenation strategies using supraglottic airway devices (SGA), SGA-assisted fiberoptic intubation and front of neck access
- Enhance team communication and practical skills during crisis resource management

## Joint Accreditation Statement



In support of improving patient care, this symposium has been planned and implemented by Penn Medicine and Children's Hospital of Philadelphia. Penn Medicine is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

## Designation of Credit

**Physicians:** Penn Medicine designates this live activity for a maximum of 9.25 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Nurses:** This program provides 9.25 NCPD hours.

**Physician Assistants:** AAPA accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit*<sup>™</sup> from organizations accredited by ACCME or a recognized state medical society. PAs may receive a maximum of 9.25 Category 1 credits for completing this activity.

## AANA Accreditation

American Association of Nurse Anesthesiology is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation.

## Cancellation and Refund Policy

Children's Hospital of Philadelphia reserves the right to cancel or postpone any course due to any unforeseen circumstances. In the event of cancellation or postponement, Children's Hospital of Philadelphia will refund registration fees, but is not responsible for any related costs, charges or expenses to participants, including cancellation charges assessed by airlines or travel agencies. To process refunds for course withdrawals, cancellations must be received in writing by Feb. 20, 2026. No refunds will be issued thereafter.

## Services for People With Disabilities

Participation by all individuals is encouraged. If arrangements are required for an individual with special needs to attend this meeting, please call the CME Department at 215-590-5263 two weeks in advance so that we may provide better service to you during the conference.

Register now: [chop.cloud-cme.com](https://chop.cloud-cme.com)



# Cutting-Edge Topics in Pediatric Airway

Children's Hospital of Philadelphia HUB Clinical Collaboration Building

## PROGRAM

Saturday, March 7, 2026

- 7:15 a.m.      **Registration and Continental Breakfast**
- 7:45 a.m.      **Welcome to CHOP**  
*John E. Fiadjoe, MD, MBA*
- 7:55 a.m.      **Welcome and Introduction**  
*Annery Garcia-Marcinkiewicz, MD, MSCE*
- 8:00 a.m.      **Caring for the Pediatric Airway: Quality, Safety, and Systems**  
*Grace Hsu, MD, FASA*
- 8:15 a.m.      **Neonatal Airway Challenges**  
*Janet Lioy, MD, FAAP*
- 8:30 a.m.      **PeDI Registry Updates**  
*Lina Sarmiento, MD, MSHS*
- 8:45 a.m.      **Lung Isolation**  
*T. Wesley Templeton, MD, FASA*
- 9:00 a.m.      **Q & A Session**
- 9:05 a.m.      **Seeing is Believing: Ultrasound-Guided Airway Management in Children (part 1)**  
*Elaina Lin, MD*
- 9:20 a.m.      **Seeing is Believing: Ultrasound-Guided Airway Management in Children (part 2)**  
*Elizabeth O'Brien, MD, MAS, FAAP*
- 9:35 a.m.      **Limited Bronchoscopy to Limit Mortality**  
*B. Dean Bruins, MD*
- 9:50 a.m.      **Airway Reconstruction**  
*Conor Devine, MD*
- 10:05 a.m.     **Q & A Session**
- 10:10 a.m.     **Break and Exhibits**
- 10:25 a.m.     **Adult Airway Crisis**  
*Gabriel Zuckerberg, MD*  
*Caoimhe Duffy, MD, MSc, FCAI*
- 10:40 a.m.     **The Physiologically Difficult Airway**  
*Amy Romer, MD*
- 10:55 a.m.     **Airway Management and Global Realities**  
*Gabriel Soares De Sousa, MD*

- 11:10 a.m. LASO Peds**  
*Vinicius Caldeira Quintão, MD*
- 11:25 a.m. Q & A Session**
- 11:30 a.m. Keynote Lecture: Airway AI**  
*Clyde Matava, MBChB, MMed, MHSc*
- Noon Lunch and Exhibits**
- 12:45 p.m. Concurrent Hands-On Session I**  
**Track A: Hands-On Skills Station Workshops**
- *The Art of Direct Laryngoscopy*
  - *Standard and Hyperangulated Blade Video Laryngoscopy*
  - *Generations of Supraglottic Airways (SGA)*
  - *Fiberoptic Intubation: free hand, via SGA, combined, and SPLIT technique*
  - *Lung Isolation Techniques*
  - *FONA (Front of Neck Access)*
- Track B: Case-Based Learning - Moderate Fidelity Simulation Session**
- *Format: 4 cases*
  - *Interactive case discussions with expert faculty*
- 1:50 p.m. Not Over: Planning for Difficult Extubation**  
*Leah Templeton, MD*
- 2:05 p.m. FONA Updates**  
*Barbara Spicher, MD*
- 2:20 p.m. Teaching Neonatal Airway**  
*Heidi Herrick, MD, MSCE*
- 2:35 p.m. SADly Awake: SGA Placement**  
*Mary Lyn Stein, MD*
- 2:50 p.m. Q&A Session**
- 2:55 p.m. Break and Exhibits**
- 3:05 p.m. The Power of Prediction: Airway Assessment in the Unborn and Anesthesia Management at Delivery**  
*Olivia Nelson, MD*
- 3:20 p.m. Advanced Airway Management in Pediatric Emergency Medicine: What Matters When it Matters Most**  
*Monica Prieto, MD, MSHS*
- 3:35 p.m. What I Wish I Knew Then: Practical Wisdom for Pediatric Airway Management**  
*Chris Ward, MD*
- 3:50 p.m. Should Apneic Oxygenation Be the Standard of Care?**  
*Alexander Fuchs, MD*
- 4:05 p.m. Q&A Session**
- 4:10 p.m. Weekend Airway Case? Think Again!**  
*Melissa Brooks Peterson, MD*

- 4:25 p.m. **Tracheal Intubation Associated Cardiac Arrest: What Do We Know So Far? Management**  
*Febina Padiyath, MBBS*
- 4:40 p.m. **SPLIT Technique**  
*Vanessa Mazandi, MD*  
*Rodrigo Daly Guris, MD*
- 4:55 p.m. **Q&A Session**
- 5:00 p.m. **Concurrent Hands-On Session I**  
**Track A: Hands-On Skills Station Workshops**
- *The Art of Direct Laryngoscopy*
  - *Standard and Hyperangulated Blade Video Laryngoscopy*
  - *Generations of Supraglottic Airways (SGA)*
  - *Fiberoptic Intubation: free hand, via SGA, combined, and SPLIT technique*
  - *Lung Isolation Techniques*
  - *FONA (Front of Neck Access)*
- Track B: Case-Based Learning - Moderate Fidelity Simulation Session**
- *Format: 4 cases*
  - *Interactive case discussions with expert faculty*
- 6:00 p.m. **Conference Adjourns**



Unless otherwise noted, faculty is from the Children's Hospital of Philadelphia and/or the Perelman School of Medicine at the University of Pennsylvania.

## Course Director

**Annery Garcia-Marcinkiewicz, MD, MSCE**

*President, Women in Anesthesiology*

*Associate Division Chief, Inclusion and Belonging*

*Director, Difficult Airway Program*

*Attending Physician, Division of General Anesthesiology*

*Department of Anesthesiology and Critical Care Medicine*

*Associate Professor of Anesthesiology and Critical Care*

## Course Co-Directors

**Grace Hsu, MD, FASA**

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**Vanessa Mazandi, MD**

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**Asif Padiyath, MBBS**

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*Assistant Professor of Anesthesiology and Critical Care*

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**Jessica Sadvari, DNP, MS, CRNA**

*Certified Registered Nurse Anesthetist, Division of General Anesthesiology*

*Department of Anesthesiology and Critical Care Medicine*

## Course Faculty

**Anthony Alexander, MBBS**

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**B. Dean Bruins, MD**

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*Associate Professor of Anesthesiology and Critical Care*

**David Cohen, MD**

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*Emeritus Associate Professor of Anesthesiology and Critical Care*

## Course Faculty (continued)

### **Conor Devine, MD**

*Attending Surgeon, Division of Otolaryngology (ENT), Department of Surgery  
Assistant Professor of Clinical Otorhinolaryngology: Head and Neck Surgery*

### **Scott Dubow, MD**

*Medical Director, Anesthesia Resource Center  
Attending Physician, Division of General Anesthesiology  
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Associate Professor of Anesthesiology and Critical Care*

### **Caoimhe Duffy, MD, MSc, FCAI**

*Attending Physician, Hospital of the University of Pennsylvania  
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Assistant Professor of Anesthesiology and Critical Care*

### **John E. Fiadjoe, MD, MBA**

*Anesthesiologist-in-Chief, Children's Hospital of Philadelphia  
Chair, Department of Anesthesiology and Critical Care Medicine  
Professor of Anesthesiology and Critical Care*

### **Alexander Fuchs, MD**

*Consultant Anesthesiologist, Inselspital, University Hospital Bern, Switzerland  
Department of Anaesthesiology and Pain Medicine*

### **Heidi Herrick, MD, MSCE**

*Director, Neonatal Audio and Visual Recording  
Attending Physician, Division of Neonatology, Department of Pediatrics  
Assistant Professor of Pediatrics*

### **Yaqi Hu, MD**

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### **Lapio Tkach, DNP, CRNA**

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### **Elaina Lin, MD**

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Associate Professor of Anesthesiology and Critical Care*

### **Janet Liroy, MD, FAAP**

*Medical Director, Neonatal Airway Program  
Director, Neonatal Outreach Program  
Attending Physician, Division of Neonatology, Department of Pediatrics  
Professor of Clinical Pediatrics*

### **Clyde Matava, MBChB, MMed, MHSc**

*Associate Chief, Bioinformatics  
Director of Innovations, Informatics, and Technology  
Staff Anesthesiologist, The Hospital for Sick Children  
Associate Professor of Anesthesiology and Pain Medicine, University of Toronto*

## Course Faculty (continued)

### **Olivia Nelson, MD**

*Clinical Director, Fetal Anesthesia Team  
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Assistant Professor of Anesthesiology and Critical Care*

### **Elizabeth O'Brien, MD, MAS, FAAP**

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Assistant Professor of Anesthesiology and Critical Care*

### **Melissa Brooks Peterson, MD**

*Pediatric Anesthesiologist*

### **Monica Prieto, MD, MSHS**

*Attending Physician, Division of Emergency Medicine  
Department of Pediatrics  
Assistant Professor of Clinical Pediatrics*

### **Vinicius Calderia Quintao, MD, MSc, PhD**

*Consultant Pediatric Anesthesiologist, Hospital das Clínicas  
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### **Amy Romer, MD**

*Attending Physician, Division of Cardiac Critical Care Medicine  
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### **Lina Sarmiento, MD, MSHS**

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### **Gabriel Soares de Sousa, MD**

*Pediatric Anesthesiologist, Instituto da Criança e do Adolescente- FMUSP  
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Safety and Quality Auditor, SmileTrain*

### **Barbara Spicher, MD**

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### **Mary Lyn Stein, MD**

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*Attending Physician, Atrium Health Wake Forest Baptist  
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### **T. Wesley Templeton, MD**

*Division Chief of Pediatric Anesthesiology, Atrium Health Wake Forest Baptist Medical Center  
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### **Chris Ward, MD**

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### **Gabriel Zuckerberg, MD**

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### **Jeremy Zuckerberg, MD**

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