

Principles of Pediatric Anesthesia & Critical Care Conference

Precision Pediatrics: Navigating the Future of Anesthesia and Critical Care

Saturday, April 3 – Sunday, April 4, 2027

The HUB for Clinical Collaboration
on the CHOP Philadelphia Campus

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Boston Children's Hospital
Where the world comes for answers

Course Overview

PPACC provides a comprehensive review of the most important changes and advances relevant to pediatric anesthesia and pediatric critical care. Concise evidence-based lectures will be followed by Q&A with the experts, with breakout sessions for anesthesia and critical care providers. In-person workshops in point-of-care ultrasound, airway, simulation, and EEG will take place on Saturday afternoon. Interactive problem-based learning discussions (PBLD) will take place on Sunday morning. All workshops, PBLD, networking, and social events are included in registration.

General Information and Registration Fees

The registration fee includes registration materials, continental breakfast, lunch, breaks, workshops, PBLDs, and Saturday evening social event. Conference syllabus and asynchronous lectures will also be available online.

Attending Physician: $500

CRNA, APP, Other Healthcare Professionals: $350

Trainee (Residents and Fellows): $100

Course Objectives

At the conclusion of the conference, participants will be equipped to:

- Understand how precision medicine is evolving for their field and the clinical implications for best practices
- Improve ultrasound, airway, EEG, and/or cardiac management skills with hands-on workshops and simulation
- Discuss management of challenging clinical cases in an interactive PBLD

Target Audience

This course is ideal for pediatric anesthesiologists, pediatric intensivists (PICU / CICU), pediatric critical care nurses, CRNAs, advanced practice providers, fellows and residents in pediatric subspecialties and allied health professionals seeking a comprehensive, evidence based review of pediatric anesthesia and critical care practices.

Accreditation Statement

JOINTLY ACCREDITED PROVIDER™
INTERPROFESSIONAL CONTINUING EDUCATION

In support of improving patient care, Children's Hospital of Philadelphia 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: Children's Hospital of Philadelphia designates this live activity for a maximum of 9.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Poster Session

A moderated poster session will be held on Saturday evening during cocktail hour. We invite you to submit research, quality improvement, educational projects and case reports. Submissions from trainees are encouraged. A prize will be awarded for best poster. The deadline for submission is March 1, 2027. Please upload a single digital poster (PDF format) in 16:9 ratio resolution to PPACC Poster Upload.

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, the Hospital 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, cancellations must be received by Friday, March 19, 2027. No refunds will be issued thereafter.

Services for People With Disabilities

If special arrangements are required for an individual with a disability to attend this meeting, please contact the Continuing Medical Education Department at 215-590-5263.

Hotel Accommodations

A block of rooms has been reserved at reduced rates at The Study, located just a few blocks from Children's Hospital. The group overnight rate is $289 single and double occupancy plus a 16.25% room tax. Participants are required to make their own hotel reservations by calling The Study directly at 215-387- 1400. Please mention the name of the conference when making your reservation. The special room rate will be available until **March 2, 2027**. After that date, reservations will be accepted on a space and rate availability basis.

Register online: **chop.cloud-cme.com**



PROGRAM

Saturday, April 3, 2027

8:00 a.m. Breakfast, Networking and Exhibits

8:25 a.m. Welcome and Introduction
Elaina Lin, MD

8:30 a.m. **KEYNOTE SPEAKER**
Precision Medicine in Pediatric Neurosurgery and Oncology: A New Era of Care
Phillip Jay Storm, MD

9:00 a.m. **PRECISION MEDICINE: WHAT DOES IT MEAN FOR MY SPECIALTY?**
General Anesthesia: Emerging Updates on the Venezuelan Mitochondrial Mutation and Anesthetic Sensitivity
Marni Falk, MD

9:20 a.m. Pain/Regional: Precision Pharmacology: Innovations in Pain Medicine
Anushree Doshi, MD

9:40 a.m. ICU: Targeted Treatment for Sepsis
Brad Lindell, MD

10:00 a.m. Cardiac: Gene Therapy for Cardiovascular Disease: Promise and Perils
Joseph Rossano, MD, MS

10:20 a.m. Break and Exhibits

10:45 a.m. **BREAKOUT SESSION**

HOT TOPICS IN ICU

1. Surviving Sepsis: What's New?
Julie Fitzgerald, MD, PhD, MSCE and Scott Weiss, MD

2. Application of Machine Learning in the Intensive Care Unit
Sanjiv Mehta, MD, MBE and Renee Willett, MD

3. Ventricular Assist Devices: What Every Intensivist Needs to Know
Aaron Dewitt, MD

4. ARDS and Acute Lung Injury: A State-of-the-Art Update
Garrett Keim, MD

5. Pediatric Cardiac Arrest: Evidence, Guidelines and Practice Updates
Martha Kienzle, MD and Amanda O'Halloran, MD

HOT TOPICS IN ANESTHESIA

1. Advances in Multimodal Neuromonitoring in Infants
Jennifer Lynch, MD, PhD

2. GLP-1s— the Full Story
Elizabeth O'Brien, MD, MAS

3. AI for Intraoperative Care
Allan Simpao, MD, MBI

4. Precision Communication for Precision Medicine
Maureen Banigan, MD, MS

12:05 p.m. **Lunch, Networking and Exhibits**

1:00 p.m. **WORKSHOPS (Please choose two workshops or EEG only)**

1. ULTRASOUND WORKSHOP (basic and advanced) (1.5 hrs)
Workshop Director: *Elaina Lin, MD*
Workshop Instructors: *Aaron Chen, MD; Thomas Conlon, MD; Shawn Jackson, MD; Nickolas Julian, MD; Garrett Keim, MD; Benjamin Kozyak, MD; Elizabeth O'Brien, MD, MAS; Eric Scheu, CRNA; Mark Weber, MSN, CRNP*

2. AIRWAY WORKSHOP (1.5 hrs)
Workshop Director: *Annery Garcia-Marcinkiewicz, MD, MSCE*
Workshop Instructors: *Yohannes Getachew, MD, MBA; Vanessa Mazandi, MD; Febina Padiyath, MBBS; Andrew Renuart, MD, MSc; Mary Lyn Stein, MD; Brian Struyk, MD*

3. SIMULATION WORKSHOP (1.5 hrs)
Workshop Director: *Lenard Babus, MD*
Workshop Instructors: *Marissa Brunetti, MD; Anushree Doshi, MD; Manal Mirreh, MD; Annette Schure, MD; Devika Singh, MD*

OR

4. PALNET EEG WORKSHOP (3 hrs – Max. 30 spots)
Workshop Director: *C. Dean Kurth, MD*
Workshop Instructors: *Julia Delgado Galvez, MD, MBI; Denis Jablonka, MD; Gregory Johnson, MD; Katherine Loh, MD; Robert Presson, MD; Jonathan Shaffer, DO*

4:30 p.m. **Adjourn**

6:00 p.m. **Poster Session and Cocktail Hour at XI West**

7:00 p.m. **Reception and Dinner at XI West**

Sunday, April 4, 2027

8:30 a.m. Breakfast, Networking and Exhibits

9:00 a.m. **KEYNOTE SPEAKER**
Medicine at the Crossroads: Where Precision Medicine, Public Health, Academic Medicine and Industry Converge
Kyu Rhee, MD, MPP

9:30 a.m. Problem-Based Learning Discussions (choose four of eight)

1. One Airway, Two Worlds: Managing the Difficult Airway in the OR and the ICU
Annery Garcia-Marcinkiewicz, MD, MSCE and Mary Lyn Stein, MD

2. Tiny Hearts, Tricky Rhythms: A PBLD on Arrhythmias and Pacemaker Management in Infants and Children
Maryam Naim, MD, MSCE and Annette Schure, MD

3. Optimizing Neonatal Anesthesia for Infants with Pulmonary Hypoplasia: A Case-Based Discussion
Rebecca Isserman, MD and Olivia Nelson, MD

4. High Acuity Pediatric Anesthesia in Low-Resource Settings
Yohannes Getachew, MD, MBA and McKenna Longacre, MD

5. Supercharging Academic Productivity with AI: Efficiency, Integrity and Avoiding Pitfalls
Julia Delgado Galvez, MD, MBI and Allan Simpao, MD, MBI

6. The Hardest Conversations: Delivering Bad News in the OR and PICU
Shawn Jackson, MD and Wynne Morrison, MD, MBE

7. Delivering Feedback that Lands: A Case-Based Discussion
Titilopemi Aina-Jones, MD, MPH and Anushree Doshi, MD

8. Physician-Involved-Trauma: Identifying Triggers and Creating Systems to Build Resilience
Steven Loscalzo, MD and Meryl William, DO

10:30 a.m. Break and Exhibits

11:00 a.m. Problem-Based Learning Discussions (continued)

Noon Conference Adjourns

ASYNCHRONOUS PRESENTATIONS

1. A Spotlight on High-Risk Perioperative Pain Management Practices
Tori Sutherland, MD, MPH

2. Measuring Mastery: Real-Time Dashboard for Evaluating Pediatric Trainee Performance
Alexandria Trakimas, MD

3. Innovation in Pediatric Liver Transplant
Alexandra Zoraian, MD

4. Rethinking Recovery in Pediatric Sepsis: From Acute Brain Dysfunction to Long-Term Neurocognitive Outcomes
Alicia M. Alcamo, MD, MPH

5. Anesthesia for Fetal Interventions
Annastacia Woytash, DO

6. Cardiac Refresher for the General Pediatric Anesthesiologist and Intensivist
Nick Daskalakis, DO

7. Updates on Pediatric Pain Medicine
Anna Formanek, MD

8. Anesthetic Management of Esophageal Atresia: An Update
Travis Brown, MD

9. What's New in Pediatric Regional Anesthesia
Asha Clark, MD

10. Improving Neurocognitive Outcomes After Pediatric Cardiac Surgery: What Can Anesthesiologists and Intensivists Do to Helpe
Jayant Pratap, MS, MBBChir

11. Decision Making in the Pediatric Intensive Care Unit – How to Leverage Implementation Science and Behavioral Economics to Transform Practice and Research
Charlotte Z. Woods-Hill, MD, MSHP



Unless otherwise noted, faculty is from Children's Hospital of Philadelphia. Academic affiliation is with the Perelman School of Medicine at the University of Pennsylvania.

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