

Pediatric Critical Care Medicine Symposium

Friday, Oct. 3, 2025

Le Bonheur Children's Hospital
Russell W. Chesney Auditorium
Memphis, Tenn.



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Children's Hospital

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COURSE DESCRIPTION

This program is intended to discuss evidence-based trends and practices that aid in the treatment of critically ill children in the pediatric intensive care unit. The audience will learn and understand cardiorespiratory and neurocritical care issues that present to the Emergency Department and Critical Care settings.

TARGET AUDIENCE

This program is designed for all health care professionals taking care of children in emergency departments and intensive care units such as respiratory therapists, nurses, advanced practice nurse practitioners, physicians and any other health care professionals who seek to further their knowledge of critical care medicine for the pediatric patient.

COURSE DIRECTOR

Samir Shah, MD, MBA, FRCPC

Professor, Pediatric Critical Care Medicine,
UT Health Science Center
Le Bonheur Chair of Excellence, Division Chief
and Medical Director, Pediatric Intensive Care Unit,
Le Bonheur Children's Hospital

COURSE CO-DIRECTORS

Tina Pitt, MPS, RRT-NPS

Clinical Educator, Respiratory Therapy Services,
Le Bonheur Children's Hospital

Nicolas Chiriboga-Salazar, MD

Assistant Professor of Pediatrics,
UT Health Science Center
Division of Pediatric Critical Care,
Le Bonheur Children's Hospital

Francisco Soto, BS, RRT

Respiratory Therapist,
Le Bonheur Children's Hospital

FACULTY

Vijaykumar Agrawal, MD

Associate Professor
The University of Tennessee (UT) Health
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Section Chief, Interventional Radiology,
Director, Advanced Interventional
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Le Bonheur Children's Hospital

Sonya Armstrong, RN, MS, PCC

Clinical Nurse, Critical Care Unit,
Le Bonheur Children's Hospital

Lauren Burge, MD

Associate Professor, Pediatrics,
UT Health Science Center
Child Abuse Pediatrician, CARES Team,
Le Bonheur Children's Hospital

Saad Ghafoor, MD

Associate Member, Critical Care,
UT Health Science Center
Director, Quality and Education,
St. Jude Children's Research Hospital

Anna Jordan, CPNP-AC

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Nurse Practitioner, Critical Care,
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Rachel Landisch, MD

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Moses Lockhart, RRT-NPS

Supervisor, Respiratory Care Services,
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Arshia Madni, MD

Assistant Professor and Associate
Program Director, Hospice and Palliative
Fellowship Program, UT Health Science
Center

**Mallory Mascolo, DNP, APRN,
CPNP-AC, CCRN**

Assistant Professor, College of Nursing,
UT Health Science Center
Nurse Practitioner, Critical Care,
Le Bonheur Children's Hospital

Jeremy Neese, MD

Assistant Professor, UT Health Science
Center
Critical Care, Le Bonheur Children's
Hospital

Daniel Nigri, MD

Assistant Professor, UT Health Science
Center
Critical Care, Le Bonheur Children's
Hospital

Nadeem Shafi, MD

Professor, UT Health Science Center
Medical Director, Pediatric Intensive
Care Unit, Le Bonheur Children's
Hospital

William Hunt Stafford, MD

Pediatric Critical Care Fellow,
UT Health Science Center
Le Bonheur Children's Hospital

Aristéa Wells, DPT, PCS

Pediatric Certified Specialist,
Le Bonheur Children's Hospital

OBJECTIVES

- Analyze the definition, classification and stages of pediatric shock, with a focus on advanced monitoring techniques and evidence-based management strategies in the intensive care setting.
- Define status epilepticus and evaluate intensive care-specific strategies for acute seizure control.
- Identify sentinel injuries during pediatric evaluations, conduct comprehensive assessments for abusive head trauma and develop effective treatment and reporting protocols to prevent missed cases of child physical abuse.
- Identify common toxidromes encountered in the pediatric ICU and review current treatment protocols and antidotal therapies.
- Compare the mechanics of high-frequency oscillatory ventilation and conventional mechanical ventilation using lung models, and interpret ventilator graphics for both modalities.
- Demonstrate foundational and advanced interventional radiology techniques applicable to the management of critically ill pediatric patients.
- Explore ethical dilemmas in pediatric critical care and discuss the integration of palliative care principles to support clinical decision-making and family-centered care.
- Practice hands-on techniques for pediatric intubation and the initiation of mechanical ventilation in cases of acute respiratory failure.
- Participate in hands-on training for the recognition and management of critical care emergencies in children with complex chronic conditions.
- Acquire practical skills in the use of ultrasonography to facilitate intravenous access in pediatric patients.
- Discuss the benefits of early mobilization on patient outcomes and explore multidisciplinary approaches to implementing mobilization strategies in the ICU.
- Recognize the signs and consequences of pediatric delirium in the ICU and evaluate nurse-led interventions to mitigate its occurrence.
- Identify rare and re-emerging infections in the context of declining herd immunity, and outline appropriate diagnostic and management strategies in the pediatric ICU.
- Identify and obtain standard FAST views—right upper quadrant, left upper quadrant, pelvic and subxiphoid—using bedside ultrasound in pediatric patients.
- Accurately interpret key FAST findings, including free fluid and pericardial effusion, and integrate them into clinical decision-making in pediatric trauma and hemodynamic instability.

FRIDAY, OCT. 3, 2025

Updates in Pediatric Critical Care Medicine

7:15 a.m. **Registration and Breakfast**

7:50 a.m. **Program Opening** - Trey Eubanks, MD, Surgeon-in-Chief and CEO, Le Bonheur Children's Hospital

7:55 a.m. **Welcome and Disclosures** - Samir Shah, MD, MBA, FRCPC, Nicolas Chiriboga-Salazar, MD and Francisco Soto, RRT

SESSION 1 *(Moderator: Nicolas Chiriboga-Salazar, MD)*

8 a.m. **Shock** - Samir Shah, MD, MBA, FRCPC

8:40 a.m. **Status Epilepticus** - Nicolas Chiriboga-Salazar, MD

9:20 a.m. **Break / Visit Exhibitors**

SESSION 2

9:40 a.m. **Hands-on Review** *(participants to choose 1 skill set, 45 mins)*

A. Intubation Skills - Saad Ghafoor, MD, Daniel Nigri, MD and Samir Shah, MD, MBA, FRCPC

B. USG Guided IV Access - Nicolas Chiriboga-Salazar, MD and William Hunt Stafford, MD

C. Demonstration of Various Ventilation Devices Using an Artificial Lung - Francisco Soto, RRT and Moses Lockhart, RRT

SESSION 3 *(Moderator: Samir Shah, MD, MBA, FRCPC)*

10:40 a.m. **Thinking Critically About Child Maltreatment: Child Physical Abuse for the Critical Care Provider** - Lauren Burge, MD

11:20 a.m. **Toxicology Update** - Jeremy Neese, MD

12 p.m. **Lunch Break / Visit Exhibitors**

SESSION 4 *(Moderator: Nicolas Chiriboga-Salazar, MD)*

12:40 p.m. **Interventional Radiology in Critical Care** - Vijaykumar Agrawal, MD

1:20 p.m. **Ethics Panel Discussion** - Saad Ghafoor, MD, Anna Jordan, CPNP-AC, Arshia Madni, MD, Nadeem Shafi, MD and Francisco Soto, RRT

SESSION 5

2:10 p.m. **Hands-on Review** *(participants to choose 1 skill set, 45 mins)*

A. Simulation Scenarios in Chronic Complex Care
Anna Jordan, CPNP-AC and Mallory Mascolo, DNP, APRN, CPNP-AC, CCRN

B. Demonstration of Various Ventilation Devices Using an Artificial Lung - Francisco Soto, RRT and Moses Lockhart, RRT

C. Focused Assessment with Sonography for Trauma (FAST) Exam - Rachel Landisch, MD

3 p.m. **Coffee Break / Visit Exhibitors**

SESSION 6 *(Moderator: Samir Shah, MD, MBA, FRCPC)*

3:30 p.m. **Hot Topics** *(20 mins)*

Sedation and Delirium in ICU - Sonya Armstrong, RN

Early Mobilization in Critical Care Units - Aristéa Wells, DPT, PCS

Uncommon ICU Infections - Madeline Lebar, MD

4:30 p.m. **Closing Remarks / Program Feedback**

Nicolas Chiriboga-Salazar, MD

ACCREDITATION

Methodist Le Bonheur Healthcare is accredited by the Accreditation Council for Continuing Medical Education to provide continuing education for physicians.

Methodist Le Bonheur Healthcare is approved as a provider of Nursing Continuing Professional Development by The Mississippi Nurses Foundation, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation. Approved Unit Provider #00305

CREDIT

Methodist Le Bonheur Healthcare designates this live activity for a maximum of **7 AMA PRA Category 1 Credit(s)[™]**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Application has been made for 6.7 CRCE credit hours through the American Association for Respiratory Care. The program number will be: 194858000.

Methodist Le Bonheur Healthcare has approved the nursing contact hour application for a maximum of 6.8 contact hours.

FACULTY DISCLOSURE

As a provider accredited by The Accreditation Council for Continuing Medical Education (ACCME), Methodist Le Bonheur Healthcare must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course director, planning committee, faculty and all others who are in a position to control the content of this educational activity are required to disclose all relationships with ineligible companies.

Safeguards against commercial bias have been put in place. Faculty will also disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of these financial relationships or absence of relevant financial relationships will be disclosed to the audience.

TUITION

Registration fee is **\$125** for physicians; **\$70** for nurse practitioners and advanced practice providers; **\$50** for nurses, respiratory therapists and other health care providers; **\$25** for fellows, residents and students. The registration fee includes course materials, breakfast, lunch and breaks. No refunds will be given after **September 13, 2025**. To register online, scan the QR code.



Methodist Le Bonheur Healthcare reserves the right to alter, reschedule or cancel this program should circumstances so dictate.

CONFERENCE SITE

Le Bonheur Children's Foundation Research Institute
Russell Chesney Auditorium
50 N. Dunlap St. • Memphis, TN 38103

Free guest parking available in the Family/Guest Parking Garage on 130 N. Manassas St.

CONFERENCE MATERIALS

Conference materials will be available electronically by Oct. 10, 2025. After registering for the conference, you will be given a link and password to access the materials.

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Name: _____

☐ MD ☐ DO ☐ NP ☐ PA ☐ RN ☐ RT ☐ Other: _____

Address: _____

City, State, Zip: _____

Phone: () _____

Specialty: _____

NPI#: _____

Email address required for CME: _____

**Online registration available at lebonheur.org/conference-registration
or mail your completed registration form and fees to:**

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Methodist Le Bonheur Healthcare**

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