

Pediatric Critical Care Medicine Symposium

Friday, September 20, 2024

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



Le Bonheur
Children's Hospital

Pediatric Critical Care Medicine Symposium

Friday, Sept. 20, 2024

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

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

Le Bonheur Chair of Excellence
Division Chief
Professor of Pediatric Critical Care Medicine
Medical Director,
The University of Tennessee Health Science Center

COURSE CO-DIRECTORS

Melanie Mata, MSN, RN

Clinical Educator, PICU, IMCU, Nursing Residency Program,
Le Bonheur Children's Hospital

Tina Pitt, MPS, RRT-NPS

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

Nicolas Chiriboga-Salazar, MD

Assistant Professor of Pediatrics,
The University of Tennessee 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

Mark Bugnitz, MD

Professor, Critical Care, The University of Tennessee Health Science Center
Le Bonheur Children's Hospital

Penny Elkins, BSN, RN

Critical Care Unit,
Le Bonheur Children's Hospital

Saad Ghafoor, MD

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

BethAnne Hendricks, BSN, RN

Critical Care Unit,
Le Bonheur Children's Hospital

Emily Hutchens, MSN, RN, VA-BC

Critical Care Unit,
Le Bonheur Children's Hospital

Dai Kimura, MD

Professor, Critical Care,
The University of Tennessee Health Science Center

Jennifer McArthur, DO

Associate Member, Critical Care,
Medicine Division, Department of Pediatric Medicine,
St. Jude Children's Research Hospital

Colleen Menegaz, MD

Assistant Professor, Critical Care,
The University of Tennessee Health Science Center
Le Bonheur Children's Hospital

Ranjit Philip, MD

Associate Professor of Pediatrics,
The University of Tennessee Health Science Center
Director, Pediatric Cardiology Clinic & Exercise Physiology Laboratory,
The Heart Institute,
Le Bonheur Children's Hospital

Shyam Popat, MD

Fellow, Critical Care, The University of Tennessee Health Science Center
Le Bonheur Children's Hospital

Mohammed Saboheh, MD

Fellow, Critical Care, The University of Tennessee Health Science Center
Le Bonheur Children's Hospital

Hitesh Sandhu, MBBS, MRCPCH

Associate Professor, The University of Tennessee Health Science Center
Medical Director, ECMO,
Le Bonheur Children's Hospital

Alexandra Schaller, DO

Assistant Professor, Critical Care,
The University of Tennessee Health Science Center
Le Bonheur Children's Hospital

Nadeem Shafi, MD

Professor, Critical Care, The University of Tennessee Health Science Center
Pediatric Intensive Care Unit,
Le Bonheur Children's Hospital

Candace Smith, RN

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

Stephanie Storgion, MD

Professor, The University of Tennessee Health Science Center
Medical Director, Neurosurgical Intensive Care Unit, Le Bonheur Children's Hospital

Elizabeth Wainscott, RN

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

OBJECTIVES

- Review various modalities of mechanical ventilation for pediatric patients in the PICU
- Examine features and indications for use of conventional and unconventional modes of mechanical ventilation in children
- Classify and describe the different neuromonitoring modalities available for critically ill pediatric patients
- Compare various neuromonitoring modalities utilizing evidence-based literature and understand application of multimodality neuromonitoring techniques to specific clinical situations
- Examine new definitions of Pediatric Severe Sepsis, review evidence-based guidelines of goal directed therapy for children in severe sepsis and septic shock
- Appraise institutional approach for earlier diagnosis of Severe sepsis using Clinical Decision Support Tools and the future role of Artificial Intelligence / Machine Learning
- Perform hands-on skills including intubation and initiation of mechanical ventilation in a child with acute respiratory failure
- Perform hands-on training in the recognition and management of raised Intracranial pressure in children using an evidence-based approach
- Perform hands-on training and learn strategies in the use of Ultrasonography for intravenous access in children
- Examine current evidence-based strategies in the management of pediatric thermal and inhalation injuries that improve morbidity and mortality.
- Report on updates in the ECMO program at Le Bonheur Children's Hospital
- Describe current protocols within the ECMO program at Le Bonheur, including cannulation strategies and anticoagulation
- Recognize common pediatric onco-critical care emergencies and understand treatment approach to common onco-critical care emergencies
- Appreciate the importance of teamwork in caring for critically ill oncology patients
- Understand the practical role of ultrasound in evaluation and management of acute respiratory failure
- Debate the role of early Vs. late tracheostomy in mechanically ventilated children while understanding the risks, benefits and long-term outcomes of this procedure.
- Discuss appropriate communication strategies in critical care scenarios
- Identify the causes of pediatric pulmonary hypertension and interpret the non-invasive and hemodynamic testing in pulmonary hypertension
- Review the management of acute pulmonary hypertension and discuss different evidence-based treatment management strategies

FRIDAY, SEPT. 20, 2024

Updates in Pediatric Critical Care Medicine

- 7:15 a.m. **Registration and Breakfast**
- 7:50 a.m. **Welcome and Disclosures** - Samir Shah, MD, MBA, FRCPC, Nicolas Chiriboga-Salazar, MD and Francisco Soto, RRT
- 7:55 a.m. **Program Opening** - Trey Eubanks, MD, Surgeon-in-Chief and CEO, Le Bonheur Children's Hospital

SESSION 1

Moderator: Hitesh Sandhu, MBBS, MRCPCH

- 8 a.m. **Newer and Uncommon Modes of Mechanical Ventilation in PICU**
Nadeem Shafi, MD
- 8:30 a.m. **Neuromonitoring in Critically Ill Patients**
Nicolas Chiriboga-Salazar, MD
- 9:00 a.m. **Pediatric Sepsis: So, What's New?**
Samir Shah, MD, MBA, FRCPC
- 9:30 a.m. **Break / Visit Exhibitors**

SESSION 2

- 10 a.m. **Hands-on Review** (*participants to choose 1 skill set, 45 mins*)
- A. Intubation Skills** - Saad Ghafoor, MD, Mohammed Sabobeh, MD and Francisco Soto, RRT
 - B. USG Guided IV Access** - Penny Elkins, BSN, RN, BethAnne Hendricks, BSN, RN, Emily Hutchens, MSN, RN, VA-BC, Candace Smith, RN and Elizabeth Wainscott, BSN, RN

SESSION 3

Moderator: Colleen Menegaz, MD

- 11 a.m. **Caring for Burn Patients in ICU** - Melanie Mata, MSN, RN
- 11:30 a.m. **Le Bonheur ECMO Program Updates**
Hitesh Sandhu, MBBS, MRCPCH
- 12 p.m. **Onco-Critical Care Emergencies** - Jennifer McArthur, DO
- 12:30 p.m. **Lunch Break / Visit Exhibitors**

SESSION 4

- 1:15 p.m. **Hands-on Review** (*participants to choose 1 skill set, 45 mins*)
- A. Managing Raised ICP** - Alexandra Schaller, DO
 - B. Respiratory-focused Ultrasound in Critical Care**
Shyam Popat, MD and Dai Kimura, MD

Moderators: Nadeem Shafi, MD and Samir Shah, MD, MBA, FRCPC

- 2:15 p.m. **Debate: Early vs. Late Tracheostomy**
Mark Bugnitz, MD and Stephanie Storgion, MD
- 2:45 p.m. **Coffee Break / Visit Exhibitors**

SESSION 5

Moderator: Nicolas Chiriboga-Salazar, MD

- 3 p.m. **Vital Talk** - Colleen Menegaz, MD
- 3:30 p.m. **Pulmonary Hypertension** - Ranjit Philip, MD
- 4 p.m. **Rapid Fire** - Questions for the Speakers
- 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 LeBonheur 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 6.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This program has been approved for a maximum of 6.5 hours Continuing Respiratory Care Education (CRCE) credit by the American Association for Respiratory Care. Course #192413000

Methodist Le Bonheur Healthcare has approved the nursing contact hour application for a maximum of 6.5 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 \$100 for physicians; \$50 for nurse practitioners and advanced practice providers; \$35 for nurses, respiratory therapists and other health care providers; \$10 for fellows, residents and students. The registration fee includes course materials, breakfast, lunch and breaks. No refunds will be given after September 13, 2024. 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 Sept. 30, 2024. After registering for the conference, you will be given a link and password to access the materials.

Pediatric Critical Care Medicine Symposium

Friday, Sept. 20, 2024

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:**

**Continuing Medical Education
Methodist Le Bonheur Healthcare**

251 S. Claybrook, Ste. 512 • Memphis, Tennessee 38104

Method of Payment

Check for \$ _____ enclosed (payable to **Methodist Le Bonheur Healthcare**)

Credit Card: Charge \$ _____ to my:

American Express MasterCard VISA Discover

Credit Card #: _____

Exp. Date: _____ CVC #: _____

Card Holder's Name: _____

(Please print)

Signature: _____

(Cardholder's signature)

Statement Address: _____

City, State, Zip: _____



848 Adams Ave,
Memphis, Tennessee 38103