Course Description
This seminar is intended to discuss evidence-based trends and practices which aid in the treatment of respiratory compromised patients in the neonatal and pediatric population. Le Bonheur neonatal and pediatric critical care physicians and staff will introduce and/or familiarize the audience with common and uncommon respiratory issues that occur in the critical care settings.

Target Audience
This seminar is designed for Respiratory Therapists, Nurses, Advanced Nurse Practitioners, Neonatal and Pediatric Trainees, Attending Physicians, Community Pediatricians, and any other healthcare professionals who seek to further their knowledge of advanced respiratory therapies for the neonatal and pediatric patient.

Course Director:
Hitesh Singh Sandhu MB, BS, MRCPCH
Assistant Professor and Medical Director, ECMO, CRRT and Apheresis Programs
Department of Pediatrics
Critical Care Division
Le Bonheur Children’s Hospital
University of Tennessee Health Science Center
Memphis, TN

Course Coordinator:
Brandon Jefferson, BS, RRT
Le Bonheur Children’s Hospital
Faculty:

Sandeep Chilakala, MD, MPH
Assistant Professor of Pediatrics
University of Tennessee Health Science Center
Le Bonheur Children’s Hospital

Moses Lockhart, RRT-NPS
Respiratory Clinical Specialist, Le Bonheur Children’s Hospital

Arun Saini, MBBS, MD, FAAP
Assistant Professor and Associate Fellowship Program Director
Pediatric Critical Care Division
University of Tennessee Health Science Center
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Preet K. Sandhu, MD
Assistant Professor, Department of Radiology
University of Tennessee Health Science Center
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Samir Shah, MD, MBA, FRCPC
Professor, Division Chief and Director of Pediatric Critical Care Medicine Fellowship Program
Associate Medical Director, ECMO & CRRT Program
Le Bonheur Children’s Hospital

Thomas Spentzas, MD, M.Sc.
Associate Professor of Pediatrics
University of Tennessee Health Science Center
Le Bonheur Children’s Hospital

Stephanie A. Storgion, MD, FAAP, FCCM
Professor, Medical Director of the Intermediate Care Unit
Co-Director of the Neuro Intensive Care Unit
University of Tennessee Health Science Center
Le Bonheur Children’s Hospital

Ajay Talati, MD
Professor, Pediatrics and OB/GYN; Program Director, Neonatal-Perinatal Medicine Fellowship Division on Neonatology
University of Tennessee Health Science Center
Le Bonheur Children’s Hospital

Mark Weems, MD
Assistant Professor of Pediatrics, Division of Neonatology
University of Tennessee Health Science Center
Le Bonheur Children’s Hospital
Associate Editor, Pediatrics in Review
Faculty Disclosure
As a provider accredited by ACCME, Methodist Le Bonheur Healthcare must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course director(s), planning committee, faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place. Faculty also will disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of these relevant financial relationships will be published in course materials so those participants in the activity may formulate their own judgments regarding the presentation.

Accreditation
Methodist Le Bonheur Healthcare is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. Methodist Le Bonheur Healthcare is an approved provider of continuing nursing education by the Tennessee Nurses Association, an accredited approver by the American Nurses Credentialing Center’s Commission on Accreditation.

Credit
Methodist Le Bonheur Healthcare designates this live activity for a maximum of 6.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
This activity will provide 6.75 contact hours.
Application has been made to the American Association for Respiratory Care (AARC) for continuing education contact hours for respiratory therapists.

Tuition
Registration fee is $25.00. The registration fee includes course material, breakfast, lunch and breaks. Methodist Le Bonheur Healthcare reserves the right to alter, reschedule, or cancel this program should circumstances so dictate.

Conference Materials
Conference materials will be available electronically on June 14, 2017. After registering for the conference you will be given a link and password to access the materials.

Conference Site
The conference will be held on the campus of Le Bonheur Children’s Hospital in the Faculty Office Building Classroom, 49 N. Dunlap. Parking will be available in the garage – enter from Manassas Avenue.
7:30 a.m.  Registration

8:00 a.m.  Welcome and Opening Remarks
Brandon Jefferson, BS, RRT

8:10 a.m.  Monitoring Respiratory Failure
Thomas Spentzas, MD, M.Sc.
Objectives:
• List current technologies used to monitor respiratory failure.
• Explain clinical conditions where each technology is indicated.

8:40 a.m.  Efficient use of Non-invasive Ventilation - An Update - Moses Lockhart, RRT-NPS
Objectives:
• Illustrate how to efficiently use non-invasive ventilation in neonatal and pediatric patients.
• Explain when non-invasive ventilation is indicated.
• List current technologies used to monitor respiratory failure.

9:10 a.m.  Chest Imaging for Bedside Staff
Preet Sandhu, MD
Objectives:
• Interpret common chest radiographs.
• Define common radiology terminology.
• Discuss factors that impact the quality of the radiograph

9:40 a.m.  Acute Lung Injury (ALI) and Respiratory Distress Syndrome - Samir Shah, MD, MBA, FRCPC
Objectives:
• Define Acute Lung Injury
• Discuss the effects of ALI/ARDS
• Identify effective ventilator management strategies during ALI/ARDS

10:25 a.m.  Break

10:40 a.m.  Evidence-Based Utilization of Inhaled Nitric Oxide, including its Indications
Stephanie A. Storgion, MD, FAAP, FCCM
Objectives:
• Produce evidence of the efficacy of inhaled Nitric Oxide.
• State how the therapy works on the respiratory system of neonatal and pediatric patients.
• Describe the indications for inhaled Nitric Oxide and when to discontinue usage.
11:25 a.m.  **Current Management of Chronic Lung Disease in Neonates** - Sandeep Chilakala, MD, MPH
Objectives:
• Identify risk factors associated with chronic lung disease in neonates.
• Describe the long-term prognosis of chronic lung disease in neonates.
• Explain the treatment of chronic lung disease in neonates.

12:10 p.m.  Lunch

1:00 p.m.  **Advanced Respiratory Therapies for Neonatal Patients** - Ajay Talati, MD
Objectives:
• Identify indications for advanced respiratory therapies in neonates.
• Differentiate between different types of advanced respiratory therapies in neonates, and explain the indications for each.

1:45 p.m.  **Advanced Respiratory Therapies for Pediatric Patients** - Arun Saini, MBBS, MD, FAAP
Objectives:
• Identify indications for advanced respiratory therapies in pediatric patients.
• Discuss various modes of ventilation used in the pediatric population and explain when to use each.

2:30 p.m.  Break

2:45 p.m.  **Evidence-Based Treatment of Congenital Diaphragmatic Hernias (CDH)**
Mark Weems, MD
Objectives:
• Define gentle ventilation and its role in the management of diaphragmatic hernia.
• Demonstrate the recommended preoperative stabilization of patients with diaphragmatic hernia.
• Discuss the Le Bonheur CDH algorithm and its supporting evidence.

3:30 p.m.  **Extracorporeal Membrane Oxygenation (ECMO) and Ventilator Management while on ECMO**
Hitesh Singh Sandhu MB, BS, MRCPCH
Objectives:
• Identify indications for ECMO.
• Distinguish between VV and VA ECMO.
• Discuss ventilator management strategies for patients receiving ECMO therapy.

4:15 p.m.  **Closing and Thank You**
Program Registration Form

Name: _________________________________________________________

MD  DO  NP  PA  RN  RT  Other:______________________________

Address: _______________________________________________________

City, State, Zip: _________________________________________________

Phone: ( ) ________________________________

Specialty: _____________________________________________________

Email (required): ________________________________________________

Method of Payment ($25 for each attendee)

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

☐ Credit Card: Charge $_____ to my:

  ☐ American Express ☐ MasterCard ☐ VISA ☐ Discover

Credit Card #: _________________________________________________

CSC #: _____________________ Exp. Date: _________________________

Card Holders Name: ____________________________________________

(Please print)

Signature: _____________________________________________________

(Card holder signature)

Statement Address: _______________________________________________

City, State, Zip: ________________________________________________

On-line registration available at www.methodistmd.org/cme

or

Mail your completed registration form and tuition to:

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