

18th Annual
Mid-South Seminar
on the Care of the
Complex Newborn Conference

Oct. 18, 2024

Le Bonheur Children's Hospital
Russell Chesney Auditorium



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COURSE DESCRIPTION

This conference is designed to encompass state-of-the-art practices and trends in treating newborns, with a focus on chronic lung disease. Clinically- and academically-oriented faculty will address relevant issues and provide valuable information and insight into situations commonly presented to subspecialists and primary care providers.

TARGET AUDIENCE

This course is designed for neonatologists, cardiologists, pediatricians, family physicians, nurse practitioners, nurses, respiratory therapists, Pedi Flite transport team and other professionals involved in treating newborns.

COURSE CO-DIRECTORS

Sandeep Chilakala, MD

Associate Professor, Division of Neonatology
The University of Tennessee Health Science Center
Le Bonheur Children's Hospital

Mohamad Elabiad, MD

Professor, Division of Neonatology
The University of Tennessee Health Science Center
Le Bonheur Children's Hospital

Mary Gaston, MSN, RN

Clinical Director, Neonatal Intensive Care Unit
Le Bonheur Children's Hospital

Ajay Talati, MD, FAAP

Sheldon B. Korones Endowed Professor Chief, Division of
Neonatology Program Director, Neonatal-Perinatal Medicine
The University of Tennessee Health Science Center
Le Bonheur Children's Hospital

COURSE OBJECTIVES

- Understand the anatomy of the neonatal airway
- Identify the various different pathologies that impact the neonatal airway
- Understand the management of the neonatal airway
- Discuss phenotypes of severe bronchopulmonary dysplasia.
- Assess respiratory barriers to a pro-growth state.
- Discover best practices for ventilator management in patients with severe BPD.
- To review common interstitial lung diseases of childhood (ChILD)
- To review diagnostic testing for ChILD
- To review natural history of ChILD
- To identify Pulmonary Hypertension as an associated risk factor in severe BPD
- To be aware of diagnostic tools available to the neonatologist in the management of Pulmonary hypertension
- To understand the current treatment strategies for BPD-PH with left to right shunts.
- Review the care of infants with/at risk for cerebral palsy
- Common medical technologies utilized in the home
- Common supports needed by family in the home
- Discuss anthropometric monitoring and assessment of infants with BPD
- Discuss key nutrients in the management of patients with acute BPD
- Discuss key nutrition interventions to promote improved outcomes for infants with chronic BPD
- Provide examples of neuroprotective care.
- Define the role of the neonatal physical therapist in the care of the complex infant.
- Demonstrate the importance of physical therapy for common impairments in patients with BPD.
- Understand the applications of point of care lung US in Neonates
- Understand various findings on Lung US and their correlation with disease pathologies
- Learn the technique to perform Lung US in NICU
- Participants will identify 3 risk factors for poor PO prognosis
- Participants will list 2 strategies to improve PO acceptance.

FACULTY

Jennifer Davidson, DO

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

Jonathan D. Finder, MD

Professor, The University of Tennessee Health Science Center
Director, Program for Technology-Dependent Children
Pulmonology, Le Bonheur Children's Hospital

Erik Jensen, MD

Associate Professor of Pediatrics, Division of Neonatal and
Developmental Medicine, Stanford University School of
Medicine and Lucile Packard, Children's Hospital Stanford

McKenzie Juarez, PT, DPT, CNT, NTMTC

Physical Therapist, Le Bonheur Children's Hospital

Shiloh Lancaster, MS, RDN, LD

Clinical Dietitian, Le Bonheur Children's Hospital

Ranjit Philip, MD

Associate Professor, The University of Tennessee
Health Science Center
Director, Pediatric Cardiology Clinic
Le Bonheur Children's Hospital

Rishika Sakaria, MBBS, FAAP

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

Rebekah Shappley, MD, FAAP

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

Anthony Sheyn, MD, FACS

Associate Professor, The University of Tennessee
Health Science Center
Chief of Otolaryngology, St. Jude Children's Research Hospital
Chair of Excellence in Otolaryngology
Division Chief, Pediatric Otolaryngology
Le Bonheur Children's Hospital

Mary Stacy, BSN, RN, RNC-NIC

Staff Nurse, NICU Preceptor,
Le Bonheur Children's Hospital

Sarah Upton, MA, CCC-SLP

Senior Speech-Language Pathologist
Le Bonheur Children's Hospital

Mark Weems, MD

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

FRIDAY, OCT. 18

- 7:30 a.m. **Registration and Breakfast**
- 7:55 a.m. **Welcome and Opening Remarks**
- 8:00 a.m. **Bronchopulmonary Dysplasia- Pathophysiology, Incidence and Management** Erik Jensen, MD
- 9:00 a.m. **Management of Neonatal Airway**
Anthony Sheyn, MD, FACS
- 9:45 a.m. Break
- 10:00 a.m. **Optimizing Ventilator Strategies in Severe Bronchopulmonary Dysplasia: Best Practices for Best Outcomes** Mark Weems, MD
- 10:45 a.m. **Interstitial Lung Disease in Infants**
Jonathan D. Finder, MD
- 11:30 a.m. **LUNCH BREAK**
- 12:30 p.m. **Bronchopulmonary Dysplasia Associated Pulmonary Hypertension - A Persistent Conundrum**
Ranjit Philip, MD
- 1:15 p.m. **Nutrition Considerations in the Management of the Infant with Bronchopulmonary Dysplasia**
Shiloh Lancaster, MS, RDN, LD
- Enhancing Development and Function: The Role of Physical Therapy in the Medical Care of the Complex Infant**
McKenzie Juarez, PT, DPT, CNT, NTMTC
- 2:15 p.m. **BREAK**
- 2:30 p.m. **Transitions Home: Caring for The Medically Complex Infant After Hospital Discharge**
Rebekah Shapley, MD, FAAP
- 3:15 p.m. **BREAK**
- 3:30 p.m. **WORKSHOPS (CHOOSE TWO)** - *Concurrent workshops each repeated twice over (30 minutes each)*
- WORKSHOP 1:**
Point of Care Lung Ultrasound Jennifer Davidson, DO
- WORKSHOP 2:**
Ultrasound Guided Intravenous Access
Rishika Sakaria, MD
- WORKSHOP 3:**
When to Consider Nasal Bridle System in infants with Dysphagia Mary Stacy, RN
- WORKSHOP 4:**
Facilitating Oral Feeds in the BPD Population
Sarah Upton, MA, CCC-SLP
- 4:30 p.m. **Adjourn**

CONFERENCE SITE

The conference will be held at Le Bonheur Children's Hospital in the Russell Chesney Auditorium.

50 N Dunlap St.

Memphis, TN 38013

Free guest parking is available at 130 N. Manassas St.

CONFERENCE MATERIALS

An email with conference materials will be sent to all attendees the week following the conference.

Email **providerquestions@lebonheur.org** with any questions.

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 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.

CREDIT

Methodist Le Bonheur Healthcare designates this live activity for a maximum of 6.75 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Methodist Le Bonheur Healthcare has approved the nursing contact hour application for a maximum of 6.75 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

The registration is \$100 for physicians; \$75 for nurse practitioners and physician assistants; \$50 for nurses; *free for residents and fellows. The fee includes breakfast, lunch and two breaks. Cancellations after that date will be assessed a fee. No refunds will be given after Oct. 10, 2024. Methodist Le Bonheur Healthcare reserves the right to alter, reschedule or cancel this program.

REGISTRATION

Online registration available at lebonheur.org/newbornconference.

For any registration related questions, please contact our Office of Continuing Education:

Continuing Medical Education

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