THE FIFTH ANNUAL

Children’s Hospital of Philadelphia Chronic Lung Disease Conference

Wednesday, March 13, 2019

The Union League of Philadelphia
Philadelphia, Pa. • unionleague.org

This one-day program is intended for the multidisciplinary team: physicians, nurses, pharmacists, respiratory therapists, occupational therapists, physical therapists, speech pathologists, social workers and dietitians who provide care for patients with CLD/BPD.

Learn more: chop.cloud-cme.com
COURSE OVERVIEW

Severe chronic lung disease (CLD) of infancy, also known as bronchopulmonary dysplasia (BPD), is the most common chronic complication of premature birth. It affects approximately 25 percent of preterm infants with birth weights less than 1,500 grams and more than 50 percent of infants weighing less than 750 grams. Infants with BPD frequently require lengthy hospital stays and costly post-discharge medical care. A diagnosis of BPD is a strong predictor of long-term impairment in lung function, cardiovascular health, growth and neurodevelopment.

Management of infants with severe CLD/BPD presents a unique challenge due to its multisystem involvement and common association with multiple non-lung comorbidities. A coordinated, evidence based, multidisciplinary approach is crucial to achieve the best outcomes for this high-risk population. Ideally, this strategy includes cohesive management between neonatal and pediatric care providers to facilitate high-level continuity of care during the transition to home and throughout the child’s life.

This multidisciplinary course is intended for physicians, advanced practice nurses, physician assistants, nurses, respiratory therapists and other members of the healthcare team such as occupational therapists, physical therapists, speech-language pathologists, dietitians and social workers who provide care for patients with CLD/BPD and their families. This course will explore the pathophysiology, current research, and key aspects of the management of severe CLD, including diagnostic and treatment options. This course will also discuss the long-term needs of infants with severe CLD, highlighting the chronic nature of this illness extending beyond the neonatal period.

GENERAL INFORMATION

The conference will be held Wednesday, March 13, 2019, at the Union League of Philadelphia. Registration will begin at 7 a.m. The registration fee includes continental breakfast, buffet lunch and program materials.

COURSE OBJECTIVES

Upon completion of this course, participants should be able to:

• Identify the available and emerging modalities for lung imaging in infants with BPD/CLD
• Discuss current treatment strategies for pulmonary hypertension and parenchymal lung disease in infants with BPD/CLD
• Describe the evolution of the definition/diagnostic criteria for BPD/CLD
• Recognize the challenges facing the multidisciplinary team caring for infants with severe BPD/CLD
• Examine the long-term pulmonary and developmental outcomes of infants with severe BPD/CLD
• Debate ethical dilemmas in infants with severe BPD/CLD

REGISTRATION FEES

Physicians.......................................................... $225
Trainees, nurses and all other members of the healthcare team............................... $160

MEETING LOCATION

The Union League of Philadelphia is located on Avenue of the Arts in the heart of Center City. It is just 20 minutes from the Philadelphia International Airport and within walking distance of exclusive shopping, world-class restaurants, art museums and historical sites. The Union League of Philadelphia is one of the nation's most historic private clubs. The league was founded in 1862 as a patriotic society to support policies of President Abraham Lincoln during the Civil War. It has hosted U.S. presidents, heads of state, industrialists, entertainers and visiting dignitaries from around the globe. It has evolved over time to become one of the most respected institutions in the country, overwhelmingly rich in history and tradition.
HOTEL ACCOMMODATIONS
Children’s Hospital of Philadelphia has reserved a block of rooms with reduced rates at The Inn at the League, 1450 Sansom St., Philadelphia, Pa. The Inn at the League has recently renovated, four-diamond quality hotel rooms and suites in the same building as the conference. The group rates are $215 single and double occupancy plus a 7 percent room tax. Participants are required to make their own hotel reservations by calling The Inn directly at 215-587-5570. Please mention the name of this conference when making your reservations. This special room rate will be available until Wednesday, Feb. 13, 2019. After that date, reservations will be accepted on a space and rate availability basis.

Dress Code at the Union League
The dress code at the Union League (unionleague.org) is business casual, which is defined as a collared shirt and slacks for men and appropriate attire for women. Jeans, other denim wear, athletic attire, T-shirts, shorts, baseball caps or sneakers are not permitted in the Union League.

ACME ACCREDITATION STATEMENT
Children’s Hospital of Philadelphia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

AMA CREDIT DESIGNATION STATEMENT
Children’s Hospital of Philadelphia designates this live activity for a maximum of 7.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with their participation in the activity.

CONTINUING NURSING EDUCATION APPROVED PROVIDER STATEMENT
Children’s Hospital of Philadelphia is an approved provider of continuing nursing education by the Pennsylvania State Nurses Association, an accredited approver by the American Nurses Credentialing Center’s Commission on Accreditation. This conference will provide a maximum of 7.5 continuing nursing education contact hours of which 1.0 are pharmacology hours.

ASHA CONTINUING EDUCATION CREDITS
ASHA: This program is offered for .65 CEUs (Intermediate level, Professional area).

Instructional Personnel Disclosures, financial and nonfinancial, can be found at chop.cloud-cme.com.

CLINICAL NUTRITION CPEU STATEMENT
Children’s Hospital of Philadelphia is a Continuing Professional Education (CPE) Accredited Provider with the Commission on Dietetic Registration (CDR). Registered Dietitians (RDs) and Dietetic Technicians (DTRs), will receive 7.0 continuing education credits (CPEUs) pending approval, upon completion of this course.

PHYSICAL THERAPY CEU STATEMENT
Application has been made to the New Jersey State Board of Physical Therapy Examiners and the Pennsylvania State Board of Physical Therapy Examiners.

SOCIAL WORK CONTINUING EDUCATION CREDIT STATEMENT
CHOP is a pre-approved provider of continuing education credits for Pennsylvania Licensed Social Workers, Marriage and Family Therapists, and Professional Counselors. Participants licensed in Pennsylvania who attend the full workshop and complete the required evaluation are eligible for 7.5 continuing education credits. Participants licensed in other states should check with local licensing boards to determine continuing education approval.
OCCUPATIONAL THERAPY ACCREDITATION STATEMENT

Children's Hospital of Philadelphia is an approved provider of continuing education by the American Occupational Therapy Association, Inc. 7.0 contact hours or .07 AOTA CEUs will be awarded to participants at the completion of the program. Assignment of AOTA CEUs does not imply endorsement of specific course content, products or clinical procedures by AOTA. Approved Provider Number: 4878. Appropriate for Intermediate-level Occupational Therapists.

Course falls under category of Occupational Therapy Process.

RESPIRATORY ACCREDITATION STATEMENT

Pending approval from The American Association for Respiratory Care, this conference will be eligible for 7.5 Continuing Respiratory Care Education contact hours.

The educational content of this program has been endorsed by the PSRC.

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, Children’s Hospital of Philadelphia will refund any registration fees, but is not responsible for any related costs, charges or expenses to participants, including cancellation charges assessed by airlines/travel agencies. In order to process refunds for course withdrawals, cancellation must be received in writing by Monday, March 4, 2019. Refunds will be issued for the amount of registration minus a $40 administrative fee. 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.

REGISTER ONLINE:
CHOP.CLOUD-CME.COM
7 a.m.        Registration and Continental Breakfast

7:45 a.m.    Welcome, Introduction and Program Overview
             Eric C. Eichenwald, MD

             Foundations of BPD
             Moderator: William W. Fox, MD

8 a.m.       Defining Bronchopulmonary Dysplasia: Past, Present and Future
             Erik A. Jensen, MD, MSCE

8:30 a.m.    Defining the Cellular Strategies Important for Lung Repair and Regeneration
             Edward Morrisey, PhD

9 a.m.       Panel Discussion/Questions

             Imaging for Chronic Lung Disease
             Moderator: Ammie M. White, MD

9:15 a.m.    State-of-the-Art Imaging of Chronic Lung Disease
             David Saul, MD

9:45 a.m.    Imaging Phenotypes of Chronic Lung Disease of Prematurity
             Jason C. Woods, PhD

10:15 a.m.   Panel Discussion/Questions

10:30 a.m.   Break/Visit Vendors

             Nursing Perspective
             Moderator: Iyalla E. Peterside, MD, MRCP, FAAP

11 a.m.      Getting to Zero: Unplanned Extubation Management and Prevention Strategies
             in the Chronic Lung Disease Patient
             Heather Hopkins, BSN, RNC-NIC

11:25 a.m.   A Peak Into Caring for Infants with Chronic Lung Disease at the Bedside: A Nurse’s Perspective
             Colleen Murphy, BSN, RNC-NIC

11:50 a.m.   Panel Discussion/Questions

Noon        Lunch
<table>
<thead>
<tr>
<th>Time</th>
<th>Track I (Lincoln Hall, 2nd floor)</th>
<th>Track II (Grant Room, 1st floor)</th>
</tr>
</thead>
</table>
| 1 p.m.       | PEEP: Many Reasons to Titrate One Setting  
Natalie Napolitano, MPH, RRT-NPS, FAARC | When Is CLD not BPD?  
Huayan Zhang, MD |
| 1:30 p.m.    | Partial Liquid Ventilation and Infants with Severe Bronchopulmonary Dysplasia: FFLOAT Update  
William W. Fox, MD | Therapy: Balancing Respiratory Progress with Development in BPD Babies  
Kelly Susey, MPT |
| 2 p.m.       | NAVA Use in Severe Bronchopulmonary Dysplasia: From Clinical Opinion to Clinical Trial  
Robin L. McKinney, MD | Neurodevelopmental Outcomes of Infants with Severe Chronic Lung Disease  
Sara B. DeMauro, MD, MSCE |
| 2:30 p.m.    | Choking on the Milk Bone: Neonatal and Gastroesophageal Lung Disease  
Thane A. Blineman, MD, FACS | Caring for the Former Premature Infant with Chronic Lung Disease  
Lawrence Rhein, MD, MPH |

3 p.m.        Break/Visit Vendors

Pharmacotherapy in BPD
Moderator: Steven H. Abman, MD

3:15 p.m.     Treatment of PPHN and Chronic Pulmonary Hypertension in the Premature Newborn  
John Kinsella, MD

3:45 p.m.     Steroids and BPD: Moving to Individualized Treatment  
William E. Truog, MD

4:15 p.m.     Discussion/Questions

The Great Debate
Moderator: Jason Z. Stoller, MD

4:30 p.m.     Should Extreme Therapies be Offered for Life-limiting, Severe BPD/CLD?  
Pro: Samuel B. Goldfarb, MD; David Munson, MD  
Con: Leif D. Nelin, MD, FAAP; John D. Lantos, MD

5:15 p.m.     Discussion/Questions

5:30 p.m.     Closing Remarks, Course Summary and Adjournment  
Huayan Zhang, MD; Kathleen Gibbs, MD
Unless otherwise noted, faculty is from Children’s Hospital of Philadelphia and/or the Perelman School of Medicine at the University of Pennsylvania.

**COURSE DIRECTORS**

Kathleen A. Nilan, RN  
Nurse Coordinator, Newborn and Infant Chronic Lung Disease Program  
Harriet and Ronald Lassin Newborn/Infant Intensive Care Unit (N/IICU)

Huayan Zhang, MD  
Director, Newborn and Infant Chronic Lung Disease Program  
Attending Neonatologist, N/IICU  
Associate Professor of Clinical Pediatrics

Heather Hopkins, BSN, RNC-NIC  
Clinical Nurse Expert, N/IICU  
Unplanned Extubation Committee Co-chair

Erik A. Jensen, MD, MSCE  
Attending Neonatologist, N/IICU  
Assistant Professor of Pediatrics

Kathryn L. Maschhoff, MD, PhD  
Attending Neonatologist, N/IICU  
Associate Professor of Clinical Pediatrics

David Munson, MD  
Attending Neonatologist  
Medical Director, N/IICU  
Associate Professor of Clinical Pediatrics

**COURSE FACULTY**

Nicolas Bamat, MD, MSCE  
Attending Neonatologist, N/IICU  
Instructor in Pediatrics

Thane A. Blinman, MD, FACS  
Attending Surgeon, Division of General, Thoracic and Fetal Surgery  
Director, General Surgery Fellowship Program  
Associate Professor of Surgery

Sara B. DeMauro, MD MSCE  
Attending Neonatologist, N/IICU  
Program Director, Neonatal Follow-up  
Assistant Professor of Pediatrics

Eric C. Eichenwald, MD  
Attending Neonatologist, N/IICU  
Chief, Division of Neonatology  
Professor of Clinical Pediatrics

William W. Fox, MD  
Director, Infant Breathing Disorder Center  
Attending Neonatologist, N/IICU  
Professor Emeritus of Pediatrics

Kathleen Gibbs, MD  
Attending Neonatologist, N/IICU  
Medical Director, Newborn and Infant Chronic Lung Disease Program  
Associate Professor of Clinical Pediatrics

Samuel B. Goldfarb, MD  
Medical Director, Pediatric Lung and Heart/Lung Transplant Programs  
Division of Pulmonary Medicine  
Medical Director, Solid Organ Transplant Center  
Professor of Clinical Pediatrics

Colleen Murphy, BSN, RNC-NIC  
N/IICU East Advancing Practice and Education Committee Chair  
PEAK II Clinical Nurse

Natalie Napolitano MPH, RRT-NPS, FAARC  
Research Clinical Specialist and  
Director, Tobacco Dependence Program  
Respiratory Therapy Department

Iyalla E. Peterside, MD, MRCP, FAAP  
Attending Neonatologist, N/IICU  
Professor of Clinical Pediatrics

David Saul, MD  
Attending Physician, Department of Radiology  
Assistant Fellowship/Residency Program Director  
Assistant Professor of Clinical Radiology

Jason Z. Stoller, MD  
Attending Neonatologist, N/IICU  
Associate Professor of Clinical Pediatrics

Ammie M. White, MD  
Director of Quality and Patient Safety, Radiology  
Assistant Professor of Radiology
GUEST FACULTY

Steven H. Abman, MD
Director, Pediatric Heart Lung Center
Children’s Hospital Colorado
Professor, Department of Pediatrics
University of Colorado School of Medicine

John P. Kinsella, MD
Professor of Pediatrics, Section of Neonatology
Pediatric Heart-Lung Center
University of Colorado School of Medicine and the
Children’s Hospital Colorado

John D. Lantos, MD
Director, Children’s Mercy Hospital Bioethics Center
Professor of Pediatrics, University of Missouri - Kansas City
Kansas City, Mo.

Robin L. McKinney, MD
Pediatric Intensivist
Hasbro Children’s Hospital
Assistant Professor of Pediatrics
Warren Alpert Medical School of Brown University

Edward Morrisey, PhD
Director, Penn Center for Pulmonary Biology (PCPB)
Scientific Director, Penn Institute for Regenerative Medicine
Professor of Medicine and Cell and Developmental Biology
University of Pennsylvania

Leif D. Nelin, MD, FAAP
Dean W. Jeffers Chair in Neonatology
Nationwide Children’s Hospital
Professor and Chief of Neonatology
Department of Pediatrics
The Ohio State University

Lawrence Rhein, MD, MPH
Division Chief, Neonatology
Associate Professor of Pediatrics
University of Massachusetts Medical Center

Kelly Susey, MPT
Developmental Coordinator
Comprehensive Center for Bronchopulmonary Dysplasia Program
Nationwide Children’s Hospital

William E. Truog, MD
Sosland Chair in Neonatal Research
Director of the Center for Infant Pulmonary Disorders
Children’s Mercy Kansas City
Professor of Pediatrics
University of Missouri Kansas City School of Medicine

Jason C. Woods, PhD
Director, Center for Pulmonary Imaging Research
Co-director, Cincinnati BPD Center
Cincinnati Children’s Hospital Medical Center
Professor, Pediatrics (Pulmonary Medicine), Radiology

CONFERENCE PLANNING COMMITTEE

Emily Bingham, RD, CNSC-LDN
Meghan Burkhardt, MS, OTR/L, BCP
Jayne LaFrennie Celeste, RN
Kevin Dysart, MD
Regina Flynn-Roth, MSN, RN-BC, Nurse Planner
Kathleen Gibbs, MD
Ma. Luisa Hasiuk, MSW, LCSW
Erik A. Jensen, MD, MSCE
Sarah McConnell, MA, CCC-SLP
Kristin McKenna, MD
Heidi Morris, MMS, PA-C
Kathleen Nilan, RN
Jason Z. Stoller, MD
Julia Welc, MA, CCC-SLP
Audrey Wood, PT, MS, DPT, PCS

REGISTER ONLINE: CHOP.CLOUD-CME.COM