

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

 **Children's Hospital
of Philadelphia®**
Breakthroughs. Every day.®



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.

ACCME 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



**APPROVED PROVIDER of
CONTINUING EDUCATION**
by The American Occupational
Therapy Association, Inc.

Children's Hospital of Philadelphia is an approved provider of continuing education by the American Occupational Therapy Association, Inc.

70 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**

PROGRAM | WEDNESDAY, MARCH 13, 2019

- 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 Morrissey, 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**

Phenotypes and Outcomes

(Track I and II will begin immediately following lunch and will run simultaneously.)

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

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

COURSE FACULTY

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Attending Neonatologist, N/IICU
Instructor in Pediatrics

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Director, General Surgery Fellowship Program
Associate Professor of Surgery

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Attending Neonatologist, N/IICU
Program Director, Neonatal Follow-up
Assistant Professor of Pediatrics

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Chief, Division of Neonatology
Professor of Clinical Pediatrics

William W. Fox, MD
Director, Infant Breathing Disorder Center
Attending Neonatologist, N/IICU
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Medical Director, Newborn and Infant Chronic Lung Disease Program
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Medical Director, Pediatric Lung and Heart/Lung Transplant Programs
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Medical Director, Solid Organ Transplant Center
Professor of Clinical Pediatrics

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

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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
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Robin L. McKinney, MD

*Pediatric Intensivist
Hasbro Children's Hospital
Assistant Professor of Pediatrics
Warren Alpert Medical School of Brown University*

Edward Morrissey, PhD

*Director, Penn Center for Pulmonary Biology (PCPB)
Scientific Director, Penn Institute for Regenerative
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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
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*Developmental Coordinator
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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

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