

EIGHTH ANNUAL

Children's Hospital of Philadelphia Chronic Lung Disease Conference

Tuesday, June 7 and Wednesday, June 8, 2022

The Union League of Philadelphia • Philadelphia • unionleague.org

This one-and-one-half day program is intended for the multidisciplinary team: physicians, nurses, respiratory therapists, occupational therapists, physical therapists, speech pathologists, social workers and dietitians who provide care for patients with chronic lung disease/bronchopulmonary dysplasia and their families.

Learn more: chop.cloud-cme.com



*Kelani Joelle,
4 months*



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% of preterm infants with birth weights less than 1,500 grams and more than 50% 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 COVID-19 pandemic has impacted many things on the healthcare landscape, including new approaches to deliver clinical education in a format to meet everyone's comfort level.

Our conference format this year will allow you to choose how you would like to attend — either *in-person* or *virtually*. Both *in-person* and *virtual* conference attendees will have access to the PowerPoint slides via the CHOP cloud. The *in-person* conference will be held Tuesday, June 7 and Wednesday, June 8, 2022, at the Union League of Philadelphia. Registration will begin at 7 a.m., Tuesday, June 7. The registration fee includes continental breakfast both days, buffet lunch on Tuesday and program materials.

We take health concerns very seriously. COVID-related precautions will be in place to make the in-person event as safe and enjoyable as possible. Proof of completed COVID-19 vaccination is required for in-person attendance. More information available at chop.cloud-cme.com.

COURSE OBJECTIVES

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

- Describe long-term trajectories of lung health in survivors with BPD/CLD and post-discharge risk factors for poor respiratory outcomes
- Explain inter-center variation in the care of infants with BPD/CLD in the U.S.
- Describe the available evidence for the use of drug therapies to prevent and treat BPD/CLD
- Discuss cases of medically complex infants with BPD/CLD and describe expert approaches to clinical management.
- Debate the risks and benefits of corticosteroid therapy in infants with BPD/CLD receiving noninvasive positive airway pressure
- Describe developmental origins of pulmonary vein disease in BPD/CLD
- Discuss evidence-based use of race/ethnicity in BPD/CLD research

CALL FOR ABSTRACTS

Share Your Knowledge and Expertise

The course directors and planning committee invite you to submit an abstract for consideration for the poster session held during the conference. Abstracts related to any aspects of the pathophysiology, prevention or clinical care of Bronchopulmonary Dysplasia or Chronic Lung Disease of Prematurity are welcomed. The top two abstracts will be invited to deliver an oral presentation.

Submission Deadline: Monday, April 11, 2022 (11:59 p.m. EST)

Accepted abstracts will be published in the conference syllabus. To learn more and submit an abstract, go to chop.cloud-cme.com.

Notification of Acceptance: Friday, April 15, 2022

REGISTER ONLINE: [CHOP.CLOUD-CME.COM](https://chop.cloud-cme.com)

MEETING LOCATION

Proof of completed COVID-19 vaccination is required by the Union League management and will need to be shown upon arrival to the event space.

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 Four Diamond quality hotel rooms and suites in the same building as the conference. The group rates are \$235 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 Saturday, May 7, 2022. 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 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.

REGISTRATION FEES

The registration fee includes the conference livestream, online presentations, CME and other continuing education credits.

Physicians	\$350
Trainees, nurses, and all other members of the healthcare team	\$225

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 *in-person* course withdrawals, cancellation must be received in writing by Tuesday, May 31, 2022. 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.



Kelani Joelle, 3 years

ASHA CONTINUING EDUCATION CREDITS



ASHA CE
APPROVED PROVIDER

Children's Hospital of
Philadelphia, CCC

Intermediate Level
1.05 ASHA CEUs

ASHA CE Provider approval and use of the Brand Block does not imply endorsement of course content, specific products, or clinical procedures.

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 10 continuing education credits (CPEUs) 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 ACCREDITATION 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 9.25 continuing education credits. Participants licensed in other states should check with local licensing boards to determine continuing education approval.

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 10.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with their participation in the activity.

REGISTER ONLINE:
CHOP.CLOUD-CME.COM

OCCUPATIONAL THERAPY ACCREDITATION STATEMENT



American
Occupational Therapy
Association

Approved Provider

The Children's Hospital of Philadelphia is an AOTA Approved Provider (#4878). This Hybrid event is approved for 11.5 CEUs after completion of the program and post-test for Intermediate-level Occupational Therapy learners, under the category of Foundational Knowledge. AOTA does not endorse specific course content, products, or clinical procedures.

RESPIRATORY ACCREDITATION STATEMENT

Pending approval from The American Association for Respiratory Care, this conference will be eligible for 10.0 Continuing Respiratory Care Education contact hours.



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

NURSING CONTINUING PROFESSIONAL DEVELOPMENT STATEMENT

Children's Hospital of Philadelphia is an approved provider of nursing continuing professional development by the Pennsylvania State Nurses Association an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.



Kelani Joelle,
3 years

7 a.m. Continental Breakfast/Registration/Hang Posters

7:55 a.m. Welcome, Introductions and Program Overview
Eric C. Eichenwald, MD

Moderator: Howard Panitch, MD

8 a.m. **Keynote Speaker: Fernando Martinez, MD**
Trajectories of Lung Function Throughout the Lifespan:
Critical Role of Prematurity and Early Life Events in the Development of COPD

8:45 a.m. Discussion/Questions

Parental Perspective

Moderator: Heidi Morris, MMS, PA-C

9 a.m. Lost in Translation: Bridging the Gap Between Parent and
Provider *Chavis A. Patterson, PhD*

9:30 a.m. Dylan’s Perfect Imperfections
Parents – Jesenia Roldan and Harvey Vazquez

10 a.m. Discussion/Questions

10:15 a.m. Break/Visit Exhibitors/View Posters

Improving Long-Term Outcomes in BPD

Moderator: Sara B. DeMauro, MD, MSCE

10:45 a.m. Chronic Ventilation for Infants with Severe BPD: From the NICU to Home
Christopher D. Baker, MD

11:15 a.m. Post-NICU Modifiers of Respiratory Outcomes in BPD
Sharon McGrath-Morrow, MD

11:45 a.m. Discussion/Questions

Noon Lunch/Visit Exhibitors/View Posters

Ask the Expert – Bring your difficult questions for discussion.

1:15 p.m.	Ask the Expert: The Physician Perspective	Ask the Expert: Multidisciplinary Care Team Outlook	Ask the Expert: The Bedside Providers’ Viewpoint
	<p>Iyalla Peterside, MD, MRCP <i>Children’s Hospital of Philadelphia (CHOP)</i></p> <p>Leif Nelin, MD <i>Nationwide Children’s Hospital</i></p> <p>Christopher D. Baker, MD <i>Colorado Children’s Hospital</i></p> <p>Huayan Zhang, MD <i>CHOP</i></p>	<p>Louise Wulfsohn, MS, OTR/L <i>CHOP</i></p> <p>Lori Hillsman, MS, RD, LD, CNSC <i>Children’s Mercy Hospital Kansas City, Missouri</i></p> <p>Julia Welc, MA, CCC/SLP <i>CHOP</i></p> <p>Emily Bingham, RD-AP, CNSC, LDN <i>CHOP</i></p>	<p>Kelle Matthews, BS, RRT-NPS <i>CHOP</i></p> <p>Beth Thomas, MHS, PA-C <i>CHOP</i></p> <p>Megan Snyder, DNP, RN, ACCNS-P, CCRN <i>CHOP</i></p> <p>Monica Mindel, BSN, RN, CPN, CBC <i>Ann & Robert H. Lurie Children’s Hospital of Chicago</i></p>

What's the Evidence? Practive Patterns and Medications in BPD

Moderator: William W. Fox, MD

2:15 p.m. Learning About Severe BPD From Each Other in the Children's Hospitals Neonatal Consortium
Karna Murthy, MD, MSc

2:45 p.m. Drug Therapies for Preventing or Treating BPD
Matthew M. Laughon, MD, MPH

3:15 p.m. Discussion/Questions

3:30 p.m. Break/Visit Exhibitors/View Posters

Poster Symposium

Moderator: Sara DeMauro, MD, MSCE

3:40 p.m. Platform Presentations – Top selected abstracts will be presented

Moderator: Jason Z. Stoller, MD

4:10 p.m. The Great Debate: Use of Corticosteroids to Wean from Noninvasive Support
Eric A. Jensen, MD, MSCE and Kristin McKenna, MD, MPH

4:50p.m. Discussion/Questions

5 p.m. Closing Remarks and Adjourn

Drs. Leif Nelin and William Fox – 2018 Conference



Dr. Iyalla Peterside – 2019 Conference



7 a.m. Continental Breakfast

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

Moderator: Leif D. Nelin, MD

8 a.m. **Keynote Speaker: Edward G. Shepherd, MD**
When Intubation is not a Failure

8:45 a.m. Discussion/Questions

Break Out Sessions (Please Choose Your Track)

	Track I <i>Moderator:</i> <i>Julie Fierro, MD, MPH</i>	Track II <i>Moderator:</i> <i>Laura Sillers, MD</i>	Track III <i>Moderator: Krithika Lingappan,</i> <i>MD, MS, PhD</i>	Track IV <i>Moderator:</i> <i>Daniel T. Malleske, MD</i>
9 a.m.	My Eyes Deceive Me! A Practical Guide to Quantitative Echo Assessment of Right Heart Function Beyond the Eyeball Method <i>Speaker:</i> <i>Catherine Avitabile, MD</i>	Delirium in the N/IICU <i>Speaker:</i> <i>Lora Zatzko, DNP, APRN, CPNP-AC</i>	Best Practices in the Care of the BPD Patient Across Institutions <i>Speakers:</i> <i>Claire Barrette, MSN, RN, C-ONQS</i> <i>Heather Stephens, DNP, RNC-NIC, ACCNS-N</i> <i>Beth Thomas, MHS, PA-C</i>	Preemies in Puddles: Hydrotherapy with the CLD Population <i>Speaker:</i> <i>Jennifer R. Peat, MSPT, DPT, NTMC</i>
9:30 a.m.	Transition to Next Session	Transition to Next Session	Transition to Next Session	Transition to Next Session
9:35 a.m.	BALs & BPD: A Single Institution's Approach to Diagnosis and Management of Lower Respiratory Tract Infections in Severe BPD <i>Speaker:</i> <i>Heidi Morris, MMS, PA-C</i>	Utilization of Aerosolized Medications in sBPD: Evidence vs. Eminence-Based Medicine <i>Speakers:</i> <i>Anna Bustin, PharmD, BCPPS</i> <i>Natalie Napolitano, MPH, RRT-NPS</i>	When, What, How? Use of Standardized Measures to Target Interventions and Monitor Progress in Infants with Severe BPD <i>Speakers:</i> <i>Melissa Hanin, MS, OT/L</i> <i>Audrey Wood PT, MS, DPT, PCS</i>	Assessment of Hearing in Children with Chronic Lung Disease: Tiny Patients, Big Challenges <i>Speaker:</i> <i>Erin Cipriano, AuD</i>

10:05 a.m. Break

Moderator: Catherine Avitabile, MD

10:15 a.m. Targeting Developmental Paradigms in Pulmonary Vein Disease
David Frank, MD, MPH

10:45 a.m. Discussion/Questions

Improving Social Equity in BPD

Moderator: David Munson, MD

11 a.m. Thoughtful Consideration of Race/Ethnicity in BPD Research and Practice – A Shared Responsibility
Heather H. Burris, MD, MPH

11:30 a.m. Discussion/Questions

11:45 a.m. Closing Remarks and Adjourn
Huayan Zhang, MD and Kathleen Gibbs, MD

Unless otherwise noted, faculty is from Children's Hospital of Philadelphia and the Perelman School of Medicine at the University of Pennsylvania.

COURSE DIRECTORS

Kathleen Gibbs, MD

Medical Director, Newborn and Infant Chronic Lung Disease Program
Associate Medical Director, Harriet and Ronald Lassin Newborn/Infant Intensive Care Unit (N/IICU)
Attending Neonatologist
Associate Professor of Clinical Pediatrics

Kathleen A. Nilan, RN

Nurse Coordinator
Newborn and Infant Chronic Lung Disease Program (N/IICU)

Huayan Zhang, MD

Director, Newborn and Infant Chronic Lung Disease Program
Attending Neonatologist, N/IICU
Associate Professor of Clinical Pediatrics
Chief and Director, Division of Neonatology and Center for Newborn Care
Guangzhou Women and Children's Medical Center

COURSE FACULTY

Catherine Avitabile, MD

Assistant Professor of Pediatrics
Sections of Echocardiography and Pulmonary Hypertension,
Site Principal Investigator, Pediatric Pulmonary Hypertension Network

Emily Bingham, RD-AP, CNSC, LDN

Advanced Practice Dietitian, N/IICU

Heather H. Burris, MD, MPH

Attending Neonatologist
Associate Professor of Pediatrics

Anna Bustin, PharmD, BCPPS

Neonatal/Infant Intensive Care Clinical Pharmacy Specialist

Erin Cipriano, AuD

Clinical Lead for Newborn Hearing Screening Program
Center for Childhood Communication, Department of Audiology

David Frank, MD, PhD

Assistant Professor of Pediatrics
Pulmonary Hypertension/Pulmonary Vein Stenosis Sections,
Division of Pediatric Cardiology

Ma. Luisa Chua Hasiuk, MSW, LCSW

N/IICU Social Worker – Chronic Lung Disease Program

Erik A. Jensen, MD, MSCE

Attending Neonatologist, N/IICU
Assistant Professor of Pediatrics

Kelle Matthews, BS, RRT-NPS

Respiratory NICU Unit Educator
Respiratory Care Department

Sharon McGrath-Morrow, MD

Associate Chief, Division of Pulmonary & Sleep Medicine
Professor of Pediatrics, Division of Pulmonary and Sleep Medicine

Kristin McKenna, MD, MPH

Medical Director of Neonatal Physician Assistant Residency Program
Neonatal Lead of Perinatal Nephrology Program
Attending Neonatologist, N/IICU
Associate Professor of Clinical Pediatrics

Heidi Morris, MMS, PA-C

Division of Neonatology
Research Coordinator, Newborn, and Infant Chronic Lung Disease Program

Natalie Napolitano, MPH, RRT-NPS

Research Clinical Specialist
Respiratory Therapy Department

Chavis A. Patterson, PhD

Director of Psychosocial Services, Neonatology
Assistant Professor of Clinical Psychology in Psychiatry
Department of Psychiatry

Jennifer R. Peat, MSPT, DPT, NTMC

Physical Therapist III-N/IICU

Iyalla Peterside, MD, MRCP

Attending Neonatologist, N/IICU
Professor of Clinical Pediatrics

Megan Snyder, DNP, RN, ACCNS-P, CCRN

N/IICU Clinical Nurse Specialist

Beth Thomas, MHS, PA-C

Physician Assistant
Division of Neonatology

Julia Welc, MA, CCC/SLP

Inpatient Coordinator
Speech-Language Pathologist

Audrey Wood, PT, MS, DPT, PCS

Physical Therapist III, N/IICU

Louise Wulfohn, MS, OTR/L

Occupational Therapist, N/IICU and Neonatal Follow-up

KEYNOTE SPEAKERS

Fernando D. Martinez, MD

Regents Professor of Pediatrics
Director, Asthma and Airway Disease Research Center at the University of Arizona
Member of the National Scientific Council for the Developing Child
Member of the National Institute of Allergy and Infectious Diseases Board of Scientific Counselors

Edward G. Shepherd, MD

Section Chief, Division of Neonatology
Medical Director, Critical Care Transport
Medical Director, Neonatal Network Respiratory Therapy
Interim Medical Director, Comprehensive Center for BPD Outpatient Clinic
Nationwide Children's Hospital
Associate Professor of Clinical Pediatrics
Department of Pediatrics
The Ohio State University College of Medicine

GUEST FACULTY

Christopher D. Baker, MD

*Director, Ventilator Care Program
Children's Hospital Colorado
Associate Professor of Pediatrics – Pulmonary Medicine
University of Colorado School of Medicine*

Claire Barrette, MSN, RN, C-ONQS

*Quality Improvement Lead
Joe DiMaggio Children's Hospital
Hollywood, Florida*

Melissa Hanin, MS, OT/L

*Neonatal Therapist
Comprehensive Center for Bronchopulmonary Dysplasia Program
Nationwide Children's Hospital*

Lori Hillsman, MS, RD, LD, CNSC

*Clinical Nutrition Specialist III
Nutrition Services Department – Neonatal Intensive Care Unit
Children's Mercy Hospital, Kansas City, Missouri*

Matthew M. Laughon, MD, MPH

*Professor of Pediatrics
The University of North Carolina at Chapel Hill*

Monica Mindel, BSN, RN, CPN, CBC

*Patient Care Operations Manager, NICU
Ann & Robert H. Lurie Children's Hospital of Chicago*

Karna Murthy, MD, MSc

*Neonatology, Lurie Children's & Northwestern Memorial Hospitals
Chair, Children's Hospitals Neonatal Consortium
Professor of Pediatrics, Northwestern University*

Jesenia Roldan and Harvey Vazquez

Mother/Father of Former NICU Patient

Heather Stephens, DNP, RNC-NIC, ACCNS-N

*Neonatal Clinical Practice Nurse Leader
Penn State Health Children's Hospital
Milton S. Hershey Medical Center (Hershey, PA)*

Lora Zatzko, DNP, APRN, CPNP-AC

*Acute Care Pediatric Nurse Practitioner
C4A BPD NICU, Nationwide Children's Hospital*

MODERATORS

Sara B. DeMauro, MD, MSCE

*Program Director, Neonatal Follow-up
Associate Director Neonatal Clinical and Epidemiological Research
Attending Neonatologist, N/IICU
Associate Professor of Pediatrics
Associate Scholar, Center for Clinical Epidemiology and Biostatistics*

Eric C. Eichenwald, MD

*Chief, Division of Neonatology
Attending Neonatologist, N/IICU*

Julie Fierro, MD, MPH

*Attending Physician
Division of Pulmonary and Sleep Medicine
Assistant Professor of Clinical Pediatrics*

William W. Fox, MD

*Associate Director, Infant Breathing Disorder Center
Attending Neonatologist, N/IICU
PI, Frontier Program
Professor Emeritus of Pediatrics*

Krithika Lingappan, MD, MS, PhD

*Attending Neonatologist, N/IICU
Associate Professor of Pediatrics*

Daniel T. Malleske, MD

Attending Neonatologist, N/IICU

David Munson, MD

*Medical Director, N/IICU
Attending Neonatologist, N/IICU
Professor of Clinical Pediatrics*

Leif D. Nelin, MD

*Division Chief, Division of Neonatology
Nationwide Children's Hospital
Professor of Pediatrics
Ohio State University*

Howard Panitch, MD

*Director, Technology Dependence Center
Division of Pulmonary Medicine
Emeritus Professor of Pediatrics*

Laura Sillers, MD

*Attending Neonatologist, N/IICU
Assistant Professor of Clinical Pediatrics*

Jason Z. Stoller, MD

*Attending Neonatologist, N/IICU
Associate Professor of Clinical Pediatrics*

CONFERENCE PLANNING COMMITTEE

Steven H. Abman, MD
Catherine Avitabile, MD
Nicolas Bamat, MD, MSCE
Emily Bingham, RD-AP, CNSC, LDN
Meghan Burkhardt, MS, OTR/L, BCP
Anna Bustin, PharmD, BCPPS
William W. Fox, MD
Kathleen Gibbs, MD
Ma. Luisa Chua Hasiuk, MSW, LCSW
Erik A. Jensen, MD, MSCE
Kristin McKenna, MD, MPH
Heidi Morris, MMS, PA-C
Natalie Napolitano, MPH, RRT-NPS
Leif D. Nelin, MD
Kathleen A. Nilan, RN
Patti O'Connor, RN, MS
Laura Sillers, MD
Leane Soorikian, RRT-NPS
Jason Z. Stoller, MD
Julia Welc, MA, CCC/SLP
Audrey Wood, PT, MS, DPT, PCS
Huayan Zhang, MD



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