

11th Annual Children's Hospital of Philadelphia Chronic Lung Disease Conference

Tuesday, March 4 and
Wednesday, March 5, 2025



This conference 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.



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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, pharmacists, 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

This conference will be held at the Hilton Philadelphia at Penn's Landing, 201 South Columbus Blvd., Philadelphia, 19106

Attendees will have access to the PowerPoint slides via **chop.cloud-cme.com**. The in-person conference will be held Tuesday, March 4 and Wednesday, March 5, 2025. Registration will begin at 7 a.m., March 4. The registration fee includes continental breakfast both days, buffet lunch on Tuesday, and program materials.

COURSE OBJECTIVES

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

1. Discuss the long term psychosocial and neurodevelopmental consequences of a diagnosis of severe BPD
2. Discuss strategies in ventilator management for high grade BPD
3. Participate in a debate regarding the use of chronic steroids to manage BPD
4. Discuss evidenced-based best practice for neurodevelopmental assessments and intervention planning for infants with severe BPD
5. Discuss current evidenced based research in the developing lung
6. Explore management strategies and communication tools used by the multidisciplinary team in the care of babies with severe BPD

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: Sunday, January 26, 2025 (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** and search Chronic Lung Disease conference.

Notification of Acceptance: Friday, February 14, 2025



REGISTER ONLINE: CHOP.CLOUD-CME.COM

MEETING LOCATION

The Hilton Philadelphia at Penn's Landing is located on the picturesque Delaware River waterfront. It gives you convenient access to the best of Philadelphia destinations making the hotel the perfect place to experience all the many great sites the "City of Brotherly Love" offers. Enjoy the beautiful and picturesque waterfront while being surrounded by panoramic views of City Center and the New Jersey skyline, the Delaware River and the iconic Benjamin Franklin Bridge. Located right on the water, the hotel is the only waterfront property in the area and features world-class dining, new stylish event venues, Hilton Honors Executive Lounge, and spacious and comfortable accommodations all coupled with impeccable service.

REGISTRATION FEES

	Before Feb. 3, 2025	After Feb. 3, 2025
Physicians	\$400	\$425
Fellows, Residents, Nurses and all other Healthcare Professionals	\$250	\$275

Optional Mid-Conference Session

Inaugural Bench to Bedside: The Developing Lung and BPD
Tuesday, March 4, 2025 • 6 p.m. to 9 p.m.

**Registration fees include dinner.*

Physicians	\$100
Fellows, Resident, Nurses and all other Healthcare Professionals	\$75

This exciting session will feature established early-career speakers and will feature neonatal lung scientists and clinicians.

The goal is to create networking opportunities for basic and clinical scientists in developmental biology, injury and repair, physiology, and clinical/translational research.

We hope to use the session to highlight emerging science and researchers and foster the exchange of ideas for the next breakthrough in lung disease related to prematurity.

*Continuing Education credits will be offered for all disciplines except Occupational and Physical Therapy .
A certificate of attendance will be provided for any OT or PT who attend this session.

HOTEL ACCOMMODATIONS

Children's Hospital of Philadelphia has reserved a block of rooms with reduced rates at the Hilton Philadelphia at Penn's Landing, 201 S. Christopher Columbus Blvd, Philadelphia, PA 19106. The group rates are \$229 single and double occupancy plus occupancy/sales tax. This special room rate will be available until Sunday, Feb. 2, 2025. After that date, reservations will be accepted on a space and rate availability basis.



Participants are required to make their own hotel reservations. Please use the link: [2025 CHOP CLD Conference/BPD Collaborative Meeting](#) or QR code to reserve your room.



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 Monday, Feb. 24, 2025. Refunds will be issued for the amount of registration minus a \$50 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



ASHA CONTINUING EDUCATION CREDITS



This program is offered for 1.35 ASHA 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 12 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.



DESIGNATION OF CREDIT

Physicians: Children's Hospital of Philadelphia designates this live activity for maximum of 13.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
Nurses: This program provides 13.0 ANCC contact hours.



IPCE CREDIT™

JOINT ACCREDITATION

This activity was planned by and for the healthcare team, and learners will receive 13.0 Interprofessional Continuing Education (IPCE) credit for learning and change.



American Occupational Therapy Association

Approved Provider

The Children's Hospital of Philadelphia is an AOTA Approved Provider of professional development. Course approval ID #TBD. This live event is offered at 1.15 CEUs, Introductory, 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 13.25 Continuing Respiratory Care Education contact hours.



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

SOCIAL WORK CONTINUING EDUCATION CREDIT STATEMENT

CHOP is a preapproved 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 13.5 continuing education credits. Participants licensed in other states should check with local licensing boards to determine continuing education approval.

ACCREDITATION STATEMENT



JOINTLY ACCREDITED PROVIDER™
INTERPROFESSIONAL CONTINUING EDUCATION

In support of improving patient care, this activity has been planned and implemented by the Children's Hospital of Philadelphia. The Children's Hospital of Philadelphia is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

PROGRAM | TUESDAY, MARCH 4, 2025

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

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

Moderator: Steven H. Abman, MD

8 a.m. Keynote Speaker: Patrick J. McNamara, MB, BCh, BAO, MRCPCH
Impact of Hemodynamic Precision in the Care of Extremely Preterm Infants in the Transitional Period on Major Neonatal Morbidity

8:45 a.m. Discussion/Questions

Moderator: Amy G. Kelly, BSN, RNC-NIC

9 a.m. The Art of Nursing: Making a Difference for Patients with Chronic Lung Disease
Kristin Atlas, MSN, CPNP-AC, ACCNS-P; Jayne Celeste, BSN, RN

9:35 a.m. Discussion/Questions

9:45 a.m. Break/Visit Exhibitors/View Posters

Journey Through an Aera—Living with Bronchopulmonary Dysplasia

Moderator: Kristin J. McKenna, MD, MPH

10:15 a.m. The Relevance of Preterm Birth History: Acknowledging Risk to Maximize Potential
Lauren Ingledow and Michelle M. Kelly, PhD, CRNP, CNE

Keynote Speaker: Anne Greenough, MD(Cantab), MB BS, DCH
Chronic Respiratory Morbidity following Preterm Birth

12:30 p.m. Lunch/Visit Exhibitors/Posters Available for Viewing

Poster Symposium

Moderator: Timothy Nelin, MD

1:15 p.m. Poster Viewing/Speak to Authors

1:45 p.m. Oral Platform Presentations –Top Two Selected Abstracts Will be Presented

2:15 p.m. **ASK THE EXPERT WORKSHOP (bring your difficult questions for discussion)**

Ask the Expert: The Physician Perspective	Ask the Expert: Multidisciplinary Care Team Outlook	Ask the Expert: The Bedside Providers' View
Challenges in Ventilation Strategies	Let's Talk about Impacts of Musculoskeletal Impairments and Interventions	A Conversation: "Agitation, PRN Medications and Non-pharmacological Approaches"
Satya Houin, MD <i>University of Colorado</i> Howard Panitch, MD <i>Children's Hospital of Philadelphia</i> Rebecca S. Rose, MD <i>Riley Children's Health</i> Huayan Zhang, MD <i>Children's Hospital of Philadelphia</i>	Dawn Drumm, PT, DHSc <i>Ann & Robert H. Lurie Children's Hospital of Chicago</i> Lee Ryan, OTR/L, MS <i>Ann & Robert H. Lurie Children's Hospital of Chicago</i> Brooke Smith, MHA, RRT-NPS <i>Children's Mercy Kansas City</i> Jaqueline Vicenio, PT, DPT <i>Children's Hospital of Philadelphia</i>	Aimee Cunningham, MPH, MMS, PA-C <i>Children's Hospital of Philadelphia</i> Hayley Dadouris, BSN, RNC-NIC <i>Children's Hospital of Philadelphia</i> Rebekah Halpern, PA-C, MPAS <i>Children's Hospital Los Angeles</i> Caitlin Knox, BSN, RN <i>Nationwide Children's Hospital</i>



3:15 p.m. Break/Visit Exhibitors/View Posters

Moderator: Meaghan Ransom, MD, MPH

3:30 p.m. Abnormal Tracheal Epithelial Differentiation in Patients with Evolving BPD
Laurie Eldredge, MD, PhD

4 p.m. Discussion/Questions

Moderator: Laura Sillers, MD

4:05 p.m. Parent Important Breathing Outcomes
Katharine Press Callahan, MD, MSME

4:35 p.m. BPD Collaborative Neurodevelopmental Point Prevalence
Sara B. DeMauro, MD, MSCE

5:05 p.m. Discussion/Questions

5:15 p.m. Adjourn

RESEARCH & DINNER: BENCH TO BEDSIDE—THE DEVELOPING LUNG

Optional Mid-Conference Session: Inaugural Bench to Bedside: The Developing Lung and BPD

Tuesday, March 4, 2025 — 6 p.m. – 9 p.m. (Must register to attend this session: separate fee charged)

5:45 p.m. Registration/Networking

6 p.m. Welcome/Opening Remarks
Steven H. Abman, MD; Krithika Lingappan, MD, MS, PhD

6:05 p.m. Buffet Dinner

6:30 p.m. The Role of Vitamin D in Lung Development and Disease
Erica Mandell, DO

7 p.m. The Placental-Pulmonary Niche: Defining Human Placental-Derived Mechanisms of Developmental Lung Injury
Elizabeth S. Taglauer, MD, PhD

7:30 p.m. Lung Stroma: Shaping Alveolar Maturation
Jarod A. Zepp, PhD

8 p.m. Break

8:15 p.m. Furosemide Pharmacology in BPD: Lessons in Developmental Physiology
Nicholas A. Bamat, MD, MSCE

8:55 p.m. Closing Remarks
Steven H. Abman, MD/Krithika Lingappan, MD, MS, PhD



Drew, 1 year old

PROGRAM | WEDNESDAY, MARCH 5, 2025

7:30 a.m. Registration/Continental Breakfast/Poster Viewing

8 a.m. Concurrent Workshops

Workshop I <i>Moderator: Kathleen Gibbs, MD</i>	Workshop II <i>Moderator: Audrey Wood, PT, MS, DPT, PCS</i>
<ul style="list-style-type: none"> • A workshop focused on ventilator strategies in infants with evolving and established BPD. • Through the use of a lung simulator and mechanical ventilators, the audience will be able to engage with faculty to identify ventilator strategies for an infant with evolving and established BPD. 	<ul style="list-style-type: none"> • An interactive workshop focusing on the use of several standardized neuromotor and developmental assessments to screen for early signs of neuromotor dysfunction/cerebral palsy. • The aim is to gain a better understanding of the utilization of these tests and measures to guide not only therapy practice but assess respiratory status and adequacy of respiratory support in order to promote infant development through collaboration with medical and pulmonary providers.
<i>Christopher D. Baker, MD; Pamela S. Griffiths, MD; Natalie Napolitano, PhD, MPH, RRT-NPS; Howard Panitch, MD; Rebecca S. Rose, MD</i>	<i>Meghan Burkhardt, MS, OTR/L, BCP; Denise Gibbs, PT, DPT, CNT, Schroth Therapist; Melissa Hanin, MS, OT/L, CNT; Kelly Susey, MPT, CNT; Louise Wulfsohn, MS, OTR/L</i>

A Panel Perspective and Audience Debate

Moderator: Jason Stoller

10:30 a.m. **The What, When, and Why's of Chronic Steroids for BPD Management**
Anna O'Brien, PharmD, BCPPA; Emma L. Rose, PharmD, BCCPS; Audrey Miller, MD; Meaghan Ransom, MD, MPH

12:15 p.m. **Closing Remarks**
Huayan Zhang, MD; Kathleen Gibbs, MD



COURSE DIRECTORS

Kathleen Gibbs, MD

Medical Director, Newborn and Infant Chronic Lung Disease Program
Medical Director, Quality Improvement and Patient Safety (N/IICU)
Attending Neonatologist
Professor of Clinical Pediatrics

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
Professor of Clinical Pediatrics Director, Center for Newborn Care
Chief, Division of Neonatology Guangzhou Women and Children's
Medical Center (Guangzhou, Guangdong, China)

COURSE FACULTY

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Clinical Nurse Specialist- N/IICU East

Nicolas A Bamat, MD, MSCE

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Assistant Professor of Pediatrics

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Education and Development Coordinator
Pediatric Occupational Therapy Fellowship Coordinator

Anna O'Brien, PharmD, BCPPS

Clinical Pharmacy Specialist, N/IICU

Katherine Press Callahan, MD, MSME

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Medical Ethics and Health Policy
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Continuity Nurse
Chronic Lung Disease Team N/IICU

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Hayley Dadouris, BSN, RNC-NIC

Clinical Nurse, N/IICU
Peak II

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

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Sleep Medicine Specialty Clinic
Wyss/Campbell Center for Thoracic Insufficiency Syndrome
Specialty Clinic

Jarod A. Zepp, PhD

Assistant Professor of Pediatrics
Division of Pulmonary and Sleep Medicine

Louise Wulfsohn, MS,OTR/L

Occupational Therapist III

KEYNOTE SPEAKERS

Anne Greenough, MD, (Cantab), MB BS, DCH, FRCP, FRCPC

Professor of Neonatology and Clinical Respiratory Physiology
Department of Women and Children's Health, School of Life Course
Sciences
Faculty of Life Sciences and Medicine, King's College London
Neonatal Intensive Care Unit, King's College Hospital
London, England, United Kingdom

Patrick J. McNamara, MB, BCh, BAO, MRCPCH

Professor of Pediatrics and Internal Medicine
Regan Giesinger Professor of Neonatology
Director, Division of Neonatology
University of Iowa Stead Family Children's Hospital



Drew, 2 years old

GUEST FACULTY

Christopher D. Baker, MD

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

Dawn Drumm, PT, DHSc

*Physical Therapist II, NICU
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Laurie Eldredge, MD, PhD

*Co-director, Seattle Children's BPD Team
Principal Investigator, Seattle Children's Center for
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Assistant Professor, Pediatric Pulmonary and Sleep Medicine
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Denise Gibbs, PT, DPT, CNT, Schroth Therapist

*Physical Therapist
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Pamela S. Griffiths, MD

*Division of Neonatology, Phoenix Children's Hospital
Co-Director of Bronchopulmonary Dysplasia Program
Clinical Assistant Professor Department of Child Health,
University of Arizona College of Medicine—Phoenix
Clinical Assistant Professor, Department of Pediatrics
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Rebekah Halpern, PA-C, MPAS

*Physician Assistant
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Melissa Hanin, MS, OT/L, CNT

*Neonatal Therapist
Diversity and Inclusion Council
Nationwide Children's Hospital (Columbus, Ohio)*

Satya Houin, MD

*Director, Supporting Preemie Respiratory OUTcomes
(SPROUT) team for severe BPD
NICU Lead, Vent Care Program for Chronic Ventilation
Section of Neonatology, University of Colorado
Assistant Professor of Pediatrics*

Lauren Ingledow

*Co-founder / Director Adult Preemie Advocacy Network CIC
United Kingdom*

Michelle M. Kelly, PhD, CRNP

*Associate Professor, Villanova University
Co-Director, Mid-Atlantic Center for Children's Health and the
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Caitlin Knox, BSN, RN

*NICU
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Erica Mandell, DO

*Assistant Director, Supporting Preterm Respiratory OUTcomes
(SPROUTS) transitional ventilation team
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Audrey Miller, MD

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Meaghan Ransom, MD, MPH

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Mildred Stahlman Division of Neonatology
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Rebecca S. Rose, MD, MS

*Neonatology Assistant Chief of Quality
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University of Colorado Denver Anschutz Medical Center
Professor, Department of Pediatrics
University of Colorado School of Medicine*

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Clinical Nurse Expert, N/IICU East
Co-Lead, N/IICU Transport Team*

Krithika Lingappan, MD, MS, PhD

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Kristen J. McKenna, MD, MPH

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Physical Therapist III, N/IICU

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