

THE SEVENTH ANNUAL

Children's Hospital of Philadelphia Chronic Lung Disease *Virtual* Conference

Tuesday, March 9, and Wednesday, March 10, 2021

This two 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 CLD/BPD and their families.

Learn more: chop.cloud-cme.com



Noah and Dylan,
10 months

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 registration fee includes the conference live stream, online presentations, and CME/CEU and other continuing education credits.

COURSE OBJECTIVES

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

- Define similarities and differences in the care of infants with BPD/CLD in the US and internationally
- Discuss the long-term respiratory and neurodevelopmental consequences of BPD/CLD
- Discuss multidisciplinary modalities available to optimize treatment of infants with BPD/CLD
- Debate the risk and benefits of tracheostomy in infants with BPD/CLD

- Discuss emerging methods for individualizing pharmacological interventions in infants with BPD/CLD
- Recognize the challenges parents face as they transition to home with a medically complex child
- Understand the role of long-term care facilities in the care of infants with BPD/CLD

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 abstracts will be invited to deliver an oral presentation.

Submission Deadline: Wednesday, Feb. 17, 2021 (11:59 p.m. EST)

Accepted abstracts will be available both days of the conference on the virtual platform. To learn more and submit an abstract, go to chop.cloud-cme.com.

Notification of Acceptance: Monday, Feb. 22, 2021

REGISTRATION FEES

Physicians\$100
Trainees, nurses and all other members of the healthcare team\$50

REGISTER ONLINE: CHOP.CLOUD-CME.COM

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

NURSING CONTINUING PROFESSIONAL DEVELOPMENT APPROVED PROVIDER STATEMENT

Children's Hospital of Philadelphia is approved as a 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.

ASHA CONTINUING EDUCATION CREDITS



ASHA CE
APPROVED PROVIDER

Children's Hospital of
Philadelphia, CCC
Intermediate Level
1.1 ASHA CEUs

This program is offered for 1.1 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 8.5 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 ACCREDITATION STATEMENT

Children's Hospital of Philadelphia 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 9.5 continuing education credits. Participants licensed in other states should check with local licensing boards to determine continuing education approval.

OCCUPATIONAL THERAPY ACCREDITATION STATEMENT



American
Occupational Therapy
Association
Approved Provider

Children's Hospital of Philadelphia is an approved provider of continuing

education by the American Occupational Therapy Association, Inc. 8.5 contact hours or .85 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 9.05 Continuing Respiratory Care Education contact hours.

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. In order to process refunds for course withdrawals, cancellation must be received in writing by Monday, March 1, 2021. Refunds will be issued for the amount of registration minus a \$25 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 | TUESDAY, MARCH 9, 2021

Noon Welcome and Introduction
Kathleen Gibbs, MD

New Insights on Respiratory and Developmental Consequences of BPD *Moderator: Sara B. DeMauro, MD, MSCE*

12:05 p.m. Bronchoalveolar Lavage T-Cell Profiles in Young Adults with a History of Bronchopulmonary Dysplasia
Petra Um-Bergström, MD, PhD

12:35 p.m. Early Motor Skill Acquisition and Postural Asymmetries in Infants with BPD
Meghan Burkhardt, MS, OTR/L, BCP

1:05 p.m. Discussion/Questions

ASK THE EXPERTS WORKSHOP (BRING YOUR DIFFICULT QUESTIONS FOR DISCUSSION.)

1:20 p.m.	Ask the Experts: <i>The Physician Viewpoint</i>	Ask the Experts: <i>The Beside Providers' Perspective</i>	Ask the Experts: <i>The Developmental Care and Psychosocial Team Perspective</i>
	Steven H. Abman, MD <i>Colorado Children's Hospital</i>	Amy Beliveau, BSN, RN <i>Joe DiMaggio Hospital, Florida</i>	Sara DellaVolpe, BA (Lead) <i>Children's Hospital of Philadelphia</i>
	David Munson, MD (Lead) <i>Children's Hospital of Philadelphia</i>	Lisa Ciccone, BSN, RNC-NIC <i>Children's Hospital of Philadelphia</i>	Ma. Luisa Hasiuk, MSW, LCSW <i>Children's Hospital of Philadelphia</i>
	Leif D. Nelin, MD, FAAP <i>Nationwide Children's Hospital, Ohio</i>	Heidi Morris, MMS, PA-C (Lead) <i>Children's Hospital of Philadelphia</i>	Leah Lumbaca, MPT <i>Nationwide Children's Hospital, Ohio</i>
		Angela Murphy, MS, APRN, NNP-BC <i>Nationwide Children's Hospital, Ohio</i>	Audrey Wood, PT, MS, DPT, PCS <i>Children's Hospital of Philadelphia</i>

The Parent Perspective

Moderator: Kristin McKenna, MD, MPH

2:20 p.m. Through the Parent's Eyes
Erin Iozzi
Tammy Hughes
Barbara Robinson

3 p.m. Discussion/Questions

Platform Presentations

Moderator: Nicolas Bamat, MD, MSCE

3:10 p.m. Top abstracts to be presented

3:40 p.m. Discussion/Questions

Moderator: Steven H. Abman, MD

3:45 p.m. Keynote Speaker: Lex Doyle, AO, MB BS, MSc, MD, FRACP
The Consequences of Helping Extremely Preterm or Tiny Infants to Breathe after Birth

4:30 p.m. Discussion/Questions

4:45 p.m. Adjourn



Dylan and Noah, age 3

PROGRAM | WEDNESDAY, MARCH 10, 2021

Noon **Opening Remarks**
Kathleen Gibbs, MD

Moderator: Scott A. Lorch, MD, MSCE

12:05 p.m. **Kristine Sandberg Knisely Lectureship Award**
2021 Recipient: Jochen Profit, MD, MPH
“Addressing Disparities in Perinatal Care Delivery”

12:55 p.m. Discussion/Questions

Not All BPD is Alike: Individualizing Drug Therapy and Management of Gastroesophageal Reflux

Moderator: Leif D. Nelin, MD, FAAP

1:05 p.m. **From Gastroesophageal Reflux to Aspiration: The Role of the Gastroenterologist in the Management of Feeding Disorders**
Rachel Rosen, MD, MPH

1:35 p.m. **Drug Therapy for BPD: What is the Role of Precision Therapeutics?**
Tamorah Lewis, MD, PhD

2:05 p.m. Discussion/Questions

BREAKOUT SESSIONS (PLEASE CHOOSE YOUR TRACK.)

	Track I Moderators: <i>Karen Warren, MSN, NNP-BC</i> <i>Iyalla E. Peterside, MD, MRCP, FAAP</i>	Track II Moderators: <i>Laura Sillers, MD</i> <i>Beth Thomas, MHS, PA-C</i>	Track III Moderators: <i>Stamatia Alexiou, MD</i> <i>William W. Fox, MD</i>
2:15 p.m.	Ventilatory Strategies in Infants with Established Severe BPD: A Multicenter Point Prevalence Study <i>Speaker:</i> <i>Robin L. McKinney, MD</i>	Identifying and Addressing Provider Distress: Waving the Pink Flag Before it Becomes a Red Flag <i>Speaker:</i> <i>Katie Behringer, MSN, RNC-NIC, CBC</i>	Approaches to Oral Feeding on CPAP <i>Speakers:</i> <i>Courtney Juliano, MD</i> <i>Shanna Spain, RN, MSN, PNP</i>
2:45 p.m.	Beyond the CRIB: Navigating the Inpatient to Outpatient Transition <i>Speakers:</i> <i>Shazia Bhombal, MD</i> <i>Michael C. Tracy, MD</i>	Transitions in Care: From NICU to Complex Care Unit to Home <i>Speaker:</i> <i>Tracy Lawrence-Black, MD, MPH</i>	The Role of Physical Therapy Services in NICU Follow-Up <i>Speakers:</i> <i>Andrea Duncan, MD, MSClinRes</i> <i>Linda Pagnotto-Hammit, PT, MS, PCS</i>
3:15 p.m.	Journeys of Interdisciplinary Teams: A Survey of the BPD Collaborative <i>Speaker:</i> <i>A. Ioana Cristea, MD, MS, ATSF</i>	Importance of Frontline Providers and Nursing Leadership on the BPD Team <i>Speakers:</i> <i>Jillane Downs, MS, APRN, NNP-BC</i> <i>Traci Dayhoff, RN</i> <i>Jennifer Hart, MSN, RNC-NIC, CBC, NEA-BC</i> <i>Amanda Moy, RN, MSN, NNP-BC</i>	Developmental Therapy on Respiratory Support: Success by Team Approach <i>Speakers:</i> <i>Lauren Gogel, PT, DPT, CPST</i> <i>Lydia Rawlins, MEd, OTR/L, BCP</i> <i>Leane Soorikian, RRT-NPS</i>

BPD: An International Perspective

Moderator: Kathleen Gibbs, MD

3:45 p.m. **A Common Problem from Both Sides of the World**
Huayan Zhang, MD

4:15 p.m. **Discussion/Questions**

The Great Debate

Moderator: Jason Z. Stoller, MD

4:25 p.m. **To Trach or Not to Trach? The Elder BPD Patient Who Remains on Non-invasive Support**
Sara B. DeMauro, MD, MSCE
Howie Panitch, MD

5:05 p.m. **Discussion/Questions**

5:15 p.m. **Adjourn**

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 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, N/IICU
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
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Guangzhou Women and Children's Medical Center, China
Associate Professor of Clinical Pediatrics*

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*Education and Development Coordinator
Pediatric Occupational Therapy Fellowship Coordinator*

Lisa Ciccone, BSN, RNC-NIC

Peak 1, Clinical Nurse, N/IICU

Sara DellaVolpe, BA, CCLS

Advanced Child Life Specialist, N/IICU

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*

Andrea F. Duncan, MD, MSClinRes

*Associate Division Chief, Diversity and Inclusion
Medical Director, Neonatal Follow-up Program Clinic at Buerger
Attending Neonatologist, Division of Neonatology
Director, CHOP site of the Early Detection of Cerebral Palsy Implementation Network
Associate Professor of Pediatrics*

Jennifer Hart, MSN, RNC-NIC, CBC, NEA-BC

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Ma. Luisa Hasiuk, MSW, LCSW

Social Worker, N/IICU

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*Physical Therapist III
N/IICU and Neonatal Follow-up*

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Lydia D. Rawlins, MEd, OTR/L, BCP

Acute Care Occupational Therapy Supervisor

Leane Soorikian, RRT-NPS

*Respiratory Clinical Specialist, N/IICU
Special Delivery Unit*

Audrey Wood, PT, MS, DPT, PCS

Physical Therapist III, N/IICU

KEYNOTE SPEAKERS

Lex W. Doyle, AO, MB BS, MSc, MD, FRACP

*Professor of Neonatal Paediatrics, Departments of Obstetrics and Gynaecology, and of Paediatrics, University of Melbourne, Australia
Associate Director of Research, Royal Women's Hospital, Melbourne
Research Fellow, Murdoch Children's Research Institute, Melbourne*

Jochen Profit, MD, MPH

*Associate Professor of Neonatal and Developmental Medicine
Lucile Packard Children's Hospital, Palo Alto, California*

GUEST FACULTY

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Professor of Pediatrics
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Joe DiMaggio Children's Hospital, Hollywood, Florida

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Senior Consultant Physician Neonatology, Pediatrician
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Sachs' Children and Youth Hospital, Södersjukhuset (Southern General Hospital)
Department of Neonatology and Department of Pediatric Lung and Allergy, Stockholm, Sweden

Shazia Bhombal, MD

Medical Director, NICU Heart Team
Division of Neonatal and Developmental Medicine
Clinical Associate Professor, Pediatrics
Stanford University School of Medicine, California

A. Ioana Cristea, MD, MS, ATSF

Medical Director, Home Vent Program
Co-medical director, Infant Breathing Program
Division of Pediatric Pulmonology, Allergy, and Sleep Medicine
Associate Professor of Clinical Pediatrics
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Traci Dayhoff, RN

Clinical Nurse Coordinator for the Outpatient BPD Program
Riley Hospital for Children

Jillane Downs, MS, APRN, NNP-BC

Nurse Practitioner
Comprehensive Center for Bronchopulmonary Dysplasia Program (CCBPD)
NICU, Nationwide Children's Hospital, Columbus, Ohio

Lauren Gogel, PT, DPT, CPST

Board Certified Clinical Specialist in Neurologic and Pediatric Physical Therapy
NYU Langone Health

Tammy Hughes, MSW, LSW

Mom of former NICU patient, Taylor Hughes (diagnosed with CLD)
March of Dimes Ambassador family 2017 and 2020

Erin Iozzi

Mom of NICU micro preemie patient
Founder, Capturing Courage, NICU photography non-profit
Member, Nationwide Children's Hospital Family Advisory Committee, 2014-2019

Courtney Juliano, MD

Interim Chief of Neonatology
NICU Medical Director
Mount Sinai Kravis Children's Hospital
Assistant Professor of Pediatrics
Icahn School of Medicine at Mount Sinai

Tracy Lawrence-Black, MD, MPH

Neonatologist, Division of Neonatology, Department of Pediatrics
McMaster University, Hamilton, ON
Formerly Attending Pediatrician, Infants and Toddlers Unit, Blythedale Children's Hospital, Valhalla, NY

Tamorah Lewis, MD, PhD

Associate Professor
Department of Pediatrics
Divisions of Neonatology & Pediatric Clinical Pharmacology
Children's Mercy Kansas City
University of Missouri-Kansas City School of Medicine

Leah Lumbaca, MPT

Certified Neonatal Therapist
Nationwide Children's Hospital

Robin L. McKinney, MD

Assistant Professor of Pediatrics
Warren Alpert Medical School
Brown University, Providence, Rhode Island

Amanda Moy, RN, MSN, NNP-BC

NICU, Lucile Packard Children's Hospital

Angela Murphy, MS, APRN, NNP-BC

Neonatal AAP Clinical Leader
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Leif D. Nelin, MD, FAAP

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Division Chief, Division of Neonatology
Nationwide Children's Hospital
Professor of Pediatrics
The Ohio State University College of Medicine

Barbara Robinson

NICU parent of McKenzie Jo Robinson
Advocate of children and support to parents-Resource, Children's Hospital Colorado, NICU

Rachel Rosen, MD, MPH

Director, Aerodigestive Center
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Shanna Spain, RN, MSN, PNP

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Huayan Zhang, MD

MODERATORS

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