

NINTH ANNUAL

Children's Hospital of Philadelphia

Chronic Lung Disease Conference

Tuesday, March 7 and Wednesday, March 8, 2023

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.

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% 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 **chop.cloud-cme.com**. The in-person conference will be held Tuesday, March 7 and Wednesday, March 8, 2023, at the Union League of Philadelphia. Registration will begin at 7 a.m., March 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.

All registered meeting attendees and vendors must be fully vaccinated against COVID-19.

COURSE OBJECTIVES

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

1. Describe the costs related to caring for a medically complex child
2. Explain opportunities to eliminate racial disparity in the NICU
3. Describe the use of stem cells in experimental models of CLD/BPD
4. Discuss evidence-based strategies in caring for infants with severe CLD/BPD
5. Describe expert approaches to clinical management of medically complex infants with CLD/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 15, 2023 (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, January 27, 2023

REGISTER ONLINE: CHOP.CLOUD-CME.COM

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 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 Friday, Feb. 3, 2023. 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.



Kathryn, age 2 days

REGISTRATION FEES

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 Monday, Feb. 27, 2023 . 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.



Nélyn, age 1 month

ASHA CONTINUING EDUCATION CREDITS



ASHA CE
APPROVED PROVIDER

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

This program is offered for 1.05 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 9.75 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 10 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 11 *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 of professional development. Course approval ID#06384. This Hybrid event is offered at .10 CEUs, for intermediate level Occupational Therapy learners, under the category of Foundation Knowledge. This assignment of AOTA CEUs does not imply endorsement of specific course content, products, or clinical procedures by AOTA.

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.



Kathryn, age 14 months

PROGRAM | TUESDAY, MARCH 7, 2023

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

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

Moderator: Huayan Zhang, MD

8 a.m. **Keynote Speaker: Karen C. Young, MD, MS**
Extracellular Vesicles: Pathogenic Messengers or Potential Therapy
for Bronchopulmonary Dysplasia Complicated by Pulmonary Hypertension (BPD-PH)

8:45 a.m. Discussion/Questions

Parental and Caregiver Perspectives on Caring for Infants with BPD

Moderator: David Munson, MD

9 a.m. Preemie Parent Perspectives: Lung Health and Health Equity Post-NICU
Jenné Johns, MPH

9:30 a.m. Hope and Worry Live Here: Navigating the Ups and Downs with Parents and
Caregivers of Medically Complex and Fragile Children
Victoria K. Johnson, DO

10 a.m. Discussion/Questions

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

Bedside Respiratory Care in BPD

Moderator: Pelton Phinizy, MD

10:45 a.m. The Role of a Respiratory Therapist: Helping CLD Patients Every Breath of the Way
Francis W. Simmons, RRT-NPS

11:15 a.m. Discussion/Questions

11:20 a.m. Lunch/Visit Exhibitors/View Posters

Poster Symposium

Moderator: Nicolas Bamat, MD, MSCE

12:20 p.m. Poster Viewing/Speak to Authors

12:50 p.m. Oral Platform Presentations — Top two selected abstracts will be presented.

Ask the Expert Workshop (Bring your difficult questions for discussion.)

1:25 p.m.	Ask the Expert: The Physician Perspective	Ask the Expert: Multidisciplinary Care Team Outlook	Ask the Expert: The Bedside Providers' View
	Shazia Bhombal, MD <i>Children's Healthcare of Atlanta</i> Milenka Cuevas Guaman, MD <i>Texas Children's Hospital</i> Erik A. Jensen, MD, MSCE <i>Children's Hospital of Philadelphia</i> Matthew Kielt, MD <i>Nationwide Children's Hospital</i> Megan Lagoski, MD <i>Ann & Robert H. Lurie Children's Hospital of Chicago</i> William E. Truog, MD <i>Children's Mercy Hospital Kansas City, Missouri</i>	Anna Bustin, PharmD, BCPPS <i>Children's Hospital of Philadelphia</i> Margaret L. Christy, OTR/L, CNT, NTMTC <i>Phoenix Children's Hospital</i> Danielle Foy, DNP, CRNP <i>Children's Hospital of Philadelphia</i> Jill Velis, MS, OTR/L <i>Children's Hospital of Philadelphia</i>	Amanda Bruhnsen, MSN, APRN-CNP, PNP-AC <i>Nationwide Children's Hospital</i> Jayne Celeste, BSN, RN <i>Children's Hospital of Philadelphia</i> Sarah Ann Keil Heinonen, DNP, APRN, CPNP-AC/PC <i>Children's Hospital Los Angeles</i> Karen Warren, MSN, NNP-BC <i>Children's Hospital of Philadelphia</i>

PROGRAM | TUESDAY, MARCH 7, 2023 *continued*

2:25 p.m. Break/Visit Exhibitors

Stuck in Limbo: Ready for Discharge but Unable to Procure Home Care

Moderator: Christopher D. Baker, MD

2:45 p.m. Challenges in Discharging the Child with Ventilator-Dependent BPD: the Home Nursing Crisis

Stamatia Alexiou, MD; Christopher D. Baker, MD; Jennifer Henningfeld, MD;

Michael C. Tracy, MD; Winston M. Manimtim, MD

3:30 p.m. Discussions/Questions

Trials and Tribulations of Oral Feeding in BPD

Moderator: Kathleen Gibbs, MD

3:45 p.m. When Will My Baby Eat? Supporting the Oral Feeding Needs and Goals of the CLD Infant from Hospital to Home

Sandra L. Galbally, MS, CCC-SLP and Julia Welc, MA, CCC/SLP

4:15 p.m. Discussion/Questions

The Great Debate

Moderator: Christopher D. Baker, MD

4:20 p.m. The Great Debate: To Cath or Not to Cath — Should We Question?

Catherine Avitabile, MD and Jennifer Tingo, MD

5 p.m. Discussion/Questions

5:15 p.m. Closing Remarks and Adjourn



Nélyn, age 12 weeks

PROGRAM | WEDNESDAY, MARCH 8, 2023

7 a.m. Continental Breakfast

7:45 a.m. Welcome/Program Overview

Eric C. Eichenwald, MD

Moderator: Kathleen Gibbs, MD

8 a.m. **Keynote Speaker: Dmitry Dukhovny, MD, MPH**

The Cost of BPD: What Should be Included in the Calculation?

8:45 a.m. Discussion/Questions

Break Out Sessions (Please Choose Your Track)

	Track I Moderator: <i>Huayan Zhang, MD</i>	Track II Moderator: <i>Kristin McKenna, MD, MPH</i>	Track III Moderator: <i>Kameela Miller, MSN, RN</i>
9:05 a.m.	Physical Manifestations of Trauma: The Body Remembers <i>Speakers:</i> <i>Qádríyyah A. Major, MSS, LSW</i> <i>Chavis A. Patterson, PhD</i>	Airway Phenotype in BPD: Progression with Time <i>Speaker:</i> <i>Manvi Bansal, MD</i>	Creating a Culture of Mobility in a Level IV NICU <i>Speakers:</i> <i>Meghan Burkhardt, MS, OTR/L, BCP</i> <i>Heidi Morris, MMS, PA-C</i> <i>Audrey Wood, PT, MS, DPT, PCS</i>
9:35 a.m.	Transition to Next Session	Transition to Next Session	Transition to Next Session
9:40 a.m.	The Forgotten Family Member: Supporting the Siblings of CLD Patients <i>Speaker:</i> <i>Sara M. DellaVolpe, BA, CCLS</i>	The Digital Age: Use of Telehealth to Manage Children Dependent on Respiratory Technology in the Home <i>Speakers:</i> <i>Jennifer Henningfeld, MD</i> <i>Cecilia Lang, MSN, CCRN, PPCNP-BC</i>	Up, Up and Away ... Supporting Nurse-driven Caregiver Education for Medically Complex Infants Through Care Coordination <i>Speakers:</i> <i>Kristina Clark, BSN, RN</i> <i>Megan Snyder, DNP, RN, ACCNS-P, CCRN</i>

10:10 a.m. Break

More or Less? Supplemental Oxygen Therapy in BPD

Moderator: Krithika Lingappan, MD, MS, PhD

10:25 a.m. Oxygen Saturation Targeting in Infants with BPD

Sara B. DeMauro, MD, MSCE

10:55 a.m. Discussion/Questions

Precision Medicine in Pulmonary Vascular Disease

Moderator: William W. Fox, MD

11:05 a.m. Pulmonary Vascular Disease of Prematurity: Matching Therapies with Phenotypes

Steven H. Abman, MD

11:35 a.m. Discussion/Questions

11:45 a.m. Closing Remarks

Kathleen Gibbs, MD and Huayan Zhang, 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
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

Stamatia Alexiou, MD

Co-associate Medical Director, Technology Dependence Center
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Assistant Professor of Clinical Pediatrics

Catherine Avitabile, MD

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

Meghan Burkhardt, MS, OTR/L, BCP

Education and Development Coordinator
Pediatric Occupational Therapy Fellowship Coordinator

Anna Bustin, PharmD, BCPPS

Neonatal/Infant Intensive Care Clinical Pharmacy Specialist

Jayne Celeste, BSN, RN

Peak 1, Clinical Nurse, N/IICU

Sara M. DellaVolpe, BA, CCLS

Advanced Certified 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

Danielle Foy, DNP, CRNP

Clinical Program Director
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Sandra L. Galbally, MS, CCC-SLP

Senior Speech-Language Pathologist
Center for Childhood Communication
Feeding and Swallowing Center

Erik A. Jensen, MD, MSCE

Attending Neonatologist, N/IICU
Assistant Professor of Pediatrics

Victoria K. Johnson, DO

Attending Physician
Division of General Pediatrics and the Justin Michael Ingerman Center
for Palliative Care

Qádrriyyah A. Major, MSS, LSW

N/IICU Social Worker, Chronic Lung Disease Program

Heidi Morris, MMS, PA-C

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

Chavis A. Patterson, PhD

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

Francis W. Simmons, RRT-NPS

N/IICU Respiratory Clinical Specialist

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

N/IICU Clinical Nurse Specialist

Jennifer Tingo, MD

Assistant Professor of Pediatrics
Sections of Pulmonary Hypertension and Outpatient Cardiology
Division of Cardiology

Jill Velis MS, OTR/L

Occupational Therapist, N/IICU

Karen Warren, MSN, NNP-BC

Nurse Practitioner
Division of Neonatology

Julia Welc, MA, CCC/SLP

Inpatient Coordinator
Speech-Language Pathologist

Audrey Wood, PT, MS, DPT, PCS

Physical Therapist III, N/IICU

KEYNOTE SPEAKERS

Dmitry Dukhovny, MD, MPH

Associate Professor of Pediatrics, Oregon Health & Sciences University
Clinical Neonatologist and Fellowship Director of the Neonatal-Perinatal
Medicine Program
Oregon Health & Science University

Karen C. Young, MD, MS

Associate Professor of Pediatrics
University of Miami Miller School of Medicine



Dr. William Fox and Dr. Iyalla Peterside — 2022 Conference

GUEST FACULTY

Steven H. Abman, MD

*Director of the Pediatric Heart Lung Center, Children's Hospital Colorado
and the University of Colorado Denver Anschutz Medical Center
Professor of Pediatrics
University of Colorado School of Medicine*

Christopher D. Baker, MD

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

Manvi Bansal, MD

*Director of Flexible Bronchoscopy Program/Home Mechanical Ventilation
Program
Co-director of Bronchopulmonary Dysplasia Program/Aerodigestive Clinic
Children's Hospital Los Angeles
Clinical Associate Professor of Pediatrics, University of Southern California*

Shazia Bhombal, MD

*Associate Medical Director, Neonatal Services, Children's Healthcare of Atlanta
Associate Professor of Pediatrics, Emory University*

Amanda Bruhnson, MSN, APRN-CNP, PNP-AC

*APP Clinical Leader, Neonatal CCBPD program
Nationwide Children's Hospital, Columbus, Ohio*

Margaret L. Christy, OTR/L, CNT, NTMTC

*Occupational Therapist
Certified Neonatal Therapist
Phoenix Children's NICU and Cardiac Neurodevelopmental
Multidisciplinary Program*

Kristina Clark, BSN, RN

*BPD Team Care Coordinator
Ann & Robert H. Lurie Children's Hospital of Chicago*

Milenka Cuevas Guaman, MD

*Section of Neonatal-Perinatal Medicine
Lead BPD Consult Service
Texas Children's Hospital, Baylor College of Medicine
Assistant Professor in Pediatrics*

Sarah Ann Keil Heinonen, DNP, APRN, CPNP-AC/PC

*Co-Director CHLA Bronchopulmonary Dysplasia (BPD) Program
Pediatric Pulmonology and Sleep Medicine Nurse Practitioner
Children's Hospital Los Angeles*

Jennifer Henningfeld, MD

*Medical Director of the Tracheostomy and Home Ventilator Program
Pediatric Pulmonology, Children's Wisconsin
President Elect of The Medical Staff, Children's Wisconsin
Associate Professor, Medical College of Wisconsin*

Jenné Johns, MPH

*National Health Equity Thought Leader
Advocate for Reducing Healthcare Disparities
Author of "Once Upon a Premie"
Disparities Leadership Program Graduate, Harvard University Medical School
Advocate for Policy and Community Changes to Improve Health Equity and
Health Outcomes for Low-income Communities
Founder of Once Upon a Premie Academy*

Matthew Kielt, MD

*Comprehensive Center for Bronchopulmonary Dysplasia
Nationwide Children's Hospital
Assistant Professor of Clinical Pediatrics
The Ohio State University College of Medicine*

Megan Lagoski, MD

*Director, Lurie BPD Program
Attending Neonatologist, Lurie Children's Hospital
Assistant Professor of Pediatrics, Northwestern University*

Cecilia Lang, MSN, CCRN, PPCNP-BC

*Tracheostomy/Home Ventilator Program
CNS Program Manager
Children's Wisconsin*

Winston M. Manimtim, MD

*Director, Infant Tracheostomy and Home Ventilator Program
Division of Neonatal-Perinatal Medicine
Children's Mercy-Kansas City
Professor of Pediatrics, University of Missouri-Kansas City School of Medicine*

Michael C. Tracy, MD

*Director, Stanford Technology Assisted Respiratory (STAR) Program
Lucile Packard Children's Hospital Stanford
Clinical Assistant Professor of Pediatrics (Pulmonary)
Stanford University School of Medicine*

William E. Truog, MD

*Director of the Center for Infant Pulmonary Disorders
Children's Mercy Hospital, Kansas City, Missouri
Professor, Department of Pediatrics
University of Missouri-Kansas City School of Medicine*

MODERATORS

Nicolas Bamat, MD, MSCE

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

Eric C. Eichenwald, MD

*Chief, Division of Neonatology
Attending Neonatologist, N/IICU
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William W. Fox, MD

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

Krithika Lingappan, MD, MS, PhD

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

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*

Kameela Miller, MSN, RN

*Nurse Manager
Newborn/Infant Intensive Care Unit, Northeast*

MODERATORS CONTINUED

David Munson, MD

Senior Medical Director, N/IICU

Attending Neonatologist, N/IICU

Professor of Clinical Pediatrics

Pelton Phinizy, MD

Bronchoscopy Service Director

Associate Fellowship Program Director

Division of Pulmonary and Sleep Medicine

CONFERENCE PLANNING COMMITTEE

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Anna Bustin, PharmD, BCPPS

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Iyalla Peterside, MD, MRCP

Laura Sillers, MD

Jason Z. Stoller, MD

Karen Warren, MSN, NNP-BC

Julia Welc, MA, CCC/SLP

Audrey Wood, PT, MS, DPT, PCS

Huayan Zhang, MD



Attendees at the 2022 conference



Children's Hospital of Philadelphia®

CONTINUING MEDICAL EDUCATION DEPARTMENT

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