

# Neonatology Clinical Research Symposium

*To honor* Barbara Schmidt, MD,  
FRCP(C), MSC, *and* Haresh Kirpalani,  
BM, MRCP, FRCP, MSc

**May 9 and 10, 2018**

The Union League of Philadelphia  
Philadelphia, Pa.

CHOP is sponsoring this research symposium in recognition of Dr. Schmidt's and Dr. Kirpalani's retirement. This course is designed to highlight evidence-based medicine and innovative, randomized clinical trials in Neonatology.

**Learn more:**  
[chop.cloud-cme.com](http://chop.cloud-cme.com)





*Barbara Schmidt, MD, MSc, FRCP*



*Haresh Kirpalani, BM, MSc, MRCP, FRCP*

Barbara and Haresh created a culture of rigor and excellence in clinical research in the Division of Neonatology at Children's Hospital of Philadelphia.

Their leadership and inspiration will be greatly missed.

### **SYMPOSIUM OVERVIEW**

Evidence-based medicine (EBM) is of increasing importance in neonatal practice. This conference addresses key elements of the design, interpretation and application of innovative randomized clinical trials in Neonatology. The international faculty are distinguished experts in clinical and translational research in neonatal-perinatal medicine. Since EBM has several components, the conference ranges broadly. An early consideration is "What should be the end-points of valid trials?" This topic is addressed by Professor Gordon Guyatt (Canada) who coined the term "EBM" and is a widely cited researcher.

Since both clinical and research work hinges on ethically obtained informed consent, this is discussed in several ways: clinical counseling of parents of extremely preterm infants; building a trusting research relationship; and obtaining consent in emergency delivery room settings.

Professor Peter Davis (Australia) is a well-known trialist and leads a session focused on delivery room care. Outcomes of our care, including economic problems, will be discussed. Results of trials performed in the developed world may not apply to low-resourced countries. The well-known Professor Alan Jobe will address such problems in the "Knisely Lecture." A key problem is how knowledge from many subjects in large trials is applied to an individual infant. Professor Roger Soll (USA), of Cochrane and Vermont Oxford Network, will provide insights on this. Innovative approaches to individualizing care scientifically, including n-of-1 trials, will be discussed.

## GENERAL INFORMATION

The conference will be held May 9 and 10, 2018, at the Union League of Philadelphia. Registration will begin at 7 a.m. The \$250 registration fee includes continental breakfast, buffet lunch and program materials.

## SCIENTIFIC COURSE OBJECTIVES

Upon completion of this conference, the participant will be able to:

- Discuss how current dilemmas in evidence-based medicine in newborn care have evolved
- Discuss innovative approaches to parents to obtain informed consent
- Apply knowledge from large patient trials to individual patients

## ACCME ACCREDITATION STATEMENT

Children's Hospital of Philadelphia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing education for physicians.

## AMA CREDIT DESIGNATION STATEMENT

Children's Hospital of Philadelphia designates this live activity for a maximum of 10.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## 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 19102. The Inn at the League has recently renovated, four-diamond quality hotel rooms and suites in the same building as the conference site. The group rates are \$219 single and double occupancy plus a 7 percent room tax. This rate includes a full breakfast, use of the fitness center and internet access. Participants are required to make their own hotel reservations by calling the Inn directly at 215-587-5570. Please mention the name of the conference when making your reservations. The special room rate will be available until Sunday, April 8, 2018. 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](http://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.

## 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](http://chop.cloud-cme.com)**

## PROGRAM | WEDNESDAY, MAY 9, 2018

- 7 a.m.**            **Registration and Continental Breakfast**
- 8 a.m.**            **Welcome and Introduction**  
*Eric C. Eichenwald, MD; Sara B. DeMauro, MD, MSCE*
- 8:10 a.m.**        **Interpreting Composite Outcomes in Trials of Neonatal Therapies**  
*Moderator: Eric Eichenwald, MD*
- 8:10 a.m.**        **Pros and Cons of Composite Outcomes**  
*Gordon Guyatt, MD, MSc, FRCP(C), OC*
- 8:55 a.m.**        **Variation in Treatment Effects Among the Components of a Composite Primary Outcome: Spotlight on the Neonatal European Study of Inhaled Steroids**  
*Prof. Dr. med Dirk Bassler, MSc*
- 9:20 a.m.**        **Discussion**
- 9:40 a.m.**        **Parental Consent for Neonatal Care**  
*Moderator: Sara B. DeMauro, MD, MSCE*
- 9:40 a.m.**        **Counseling Parents at Risk of Extremely Preterm Birth with Decision Aids: What Are They and Do We Need Them?**  
*Ursula Guillen, MD*
- 10:05 a.m.**      **Discussion**
- 10:15 a.m.**      **Coffee Break**
- 10:45 a.m.**      **The Dilemma of Informed Consent for Delivery Room Resuscitation Research**  
*Elizabeth E. Foglia, MD, MSCE*
- 11:10 a.m.**      **Honesty, Trust and Respect During Consent Discussions for Neonatal Research**  
*Janice Cairnie, RN*
- 11:35 a.m.**      **Discussion**
- Noon**            **Lunch Break**
- 1:30 p.m.**        **Towards Evidence-based Care in the Delivery Room**  
*Moderator: Elizabeth E. Foglia, MD, MSCE*
- 1:30 p.m.**        **Organized Skepticism in the Delivery Room**  
*Peter Davis, MBBS, FRACP, MD*
- 2:15 p.m.**        **Preventing CPAP Failure in Newborn Infants at High Risk of Lung Injury**  
*Clyde J. Wright, MD*
- 2:40 p.m.**        **Discussion**
- 3 p.m.**            **Coffee Break**
- 3:30 p.m.**        **Outcomes of Neonatal Care**  
**Moderator: Erik A. Jensen, MD, MSCE**
- 3:30 p.m.**        **Outcomes of Infants with Severe BPD**  
*Sara B. DeMauro, MD, MSCE*
- 3:55 p.m.**        **Outcomes of Moderately and Late Preterm Infants**  
*Elaine M. Boyle, PhD, MBChB*

**PROGRAM | WEDNESDAY, MAY 9, 2018** continued

- 4:20 p.m.**     **Discussion**
- 4:40 p.m.**     **Economic Evaluation**  
*Moderator: Roger F. Sol, MD*
- 5:25 p.m.**     **Trading Off Costs and Benefits of Neonatal Therapies**  
*John A.F. Zupancic, MD, ScD*
- 5:50 p.m.**     **Discussion**
- 6 p.m.**         **Adjourn**

**PROGRAM | THURSDAY, MAY 10, 2018**

- 7:30 a.m.**     **Registration and Continental Breakfast**
- 7:50 a.m.**     **Welcome and Announcements**
- 8 a.m.**         **Kristine Sandberg Knisely Lectureship Award**  
*Moderator: Barbara Schmidt, MD, MSc, FRCP*
- 2018 Recipient – Alan H. Jobe, MD, PhD**  
**Pitfalls of Applying Research Evidence Obtained in Highly Developed Settings Elsewhere**
- 8:50 a.m.**     **Discussion**
- 9 a.m.**         **Break**
- 9:15 a.m.**     **Evidence-based Individualized Care: Not an Oxymoron**  
*Moderator: Phyllis A. Dennery, MD*
- 9:15 a.m.**     **Individualization of Oxygen Exposure in Preterm Infants**  
*Chad Andersen, MD*
- 9:40 a.m.**     **Choosing Route of Feeding for Infants with Severe BPD**  
*Erik A. Jensen, MD, MSCE*
- 10:05 a.m.**    **Discussion**
- 10:25 a.m.**    **Coffee Break**
- 10:40 a.m.**    **Smart Use of Systematic Reviews**  
*Moderator: Peter Davis, MBBS, FRACP, MD*
- 10:40 a.m.**    **Applying Average Treatment Effects from Systematic Reviews to Individual Neonatal Units and Patients**  
*Roger F. Soll, MD*
- 11:25 a.m.**    **Discussion**
- 11:35 a.m.**    **Closing Remarks**  
*Eric C. Eichenwald, MD*
- 11:45 a.m.**    **Adjourn**

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

## **COURSE DIRECTORS**

### **Eric C. Eichenwald, MD**

*Chief, Division of Neonatology  
Professor of Pediatrics*

### **Sara B. DeMauro, MD, MSCE**

*Program Director, Neonatal Follow-up Program  
Assistant Professor of Pediatrics*

## **COURSE FACULTY**

### **Chad Andersen, MD**

*Medical Unit Head  
Department of Neonatal Medicine  
Women's and Children's Hospital  
Adelaide, Australia*

### **Prof. Dr. med, Dirk Bassler, MSc**

*Head, Department of Neonatology  
University Hospital  
Professor of Neonatology  
University of Zurich  
Zurich, Switzerland*

### **Elaine M. Boyle, PhD, MBChB**

*Honorary Consultant Neonatologist  
University Hospitals of Leicester  
Associate Professor in Neonatal Medicine  
Department of Health Sciences  
College of Medicine, University of Leicester  
United Kingdom*

### **Janice Cairnie, RN**

*Clinical Research Nurse  
McMaster University Children's Hospital  
Ontario, Canada*

### **Peter Davis, MBBS, FRACP, MD**

*Director, Neonatal Medicine  
The Royal Women's Hospital  
Professor, University of Melbourne  
Melbourne, Victoria, Australia*

### **Phyllis A. Dennery, MD**

*Chair, Department of Pediatrics  
Medical Director, Hasbro Children's Hospital  
Sylvia Kay Hassenfeld Professor of Pediatrics  
Professor of Cell Biology, Molecular Biology and Biochemistry  
Warren Alpert Medical School of Brown University  
Providence, R.I.*

**Elizabeth E. Foglia, MD, MSCE**

*Assistant Professor of Pediatrics*

**Ursula Guillen, MD**

*Attending Neonatologist*

*Christiana Care Health System*

*Newark, Del.*

*Assistant Professor of Pediatrics*

*Sidney Kimmel Medical College at Thomas Jefferson University*

**Gordon Guyatt, MD, MSc, FRCP(C), OC**

*Distinguished Professor*

*Departments of Health Research Methods, Evidence and Impact, and Medicine McMaster University – Health Science Center*

*Ontario, Canada*

**Erik A. Jensen, MD, MSCE**

*Assistant Professor of Pediatrics*

**Alan H. Jobe, MD, PhD**

*Division of Neonatology*

*Cincinnati Children's Hospital*

*Professor of Pediatrics*

*University of Cincinnati College of Medicine*

*Cincinnati, Ohio*

**Barbara Schmidt, MD, MSc, FRCP**

*Professor of Pediatrics*

**Roger F. Soll, MD**

*Neonatologist*

*University of Vermont Medical Center*

*President, Vermont Oxford Network*

*Coordinating Editor, Cochrane Neonatal*

*H. Wallace Professor of Neonatology*

*Larner College of Medicine*

*University of Vermont*

*Burlington, Vt.*

**Clyde J. Wright, MD**

*Section on Neonatology*

*Children's Hospital Colorado*

*Associate Professor of Pediatrics*

*University of Colorado School of Medicine*

*Denver, Colo.*

**John A. F. Zupancic, MD, ScD**

*Associate Chief, Neonatology*

*Beth Israel Deaconess Medical Center*

*Associate Professor of Pediatrics*

*Harvard Medical School*

*Boston, Mass.*