



MIAMI NEONATOLOGY

49TH INTERNATIONAL CONFERENCE

November 16th - 19th, 2025

Loews Hotel, Miami Beach, Florida

PRE-CONFERENCE WORKSHOP - NOVEMBER 16th, 2025

Sponsored by the University of Miami Miller School of Medicine
Presented by the Division of Neonatology, Department of Pediatrics



GENERAL INFORMATION

DATES: Sunday, November 16th - Wednesday, November 19th, 2025, in-person.

TARGET AUDIENCE: This conference is directed towards Neonatologists and other health care professionals within the fields of Neonatology, Perinatology, and Pediatrics.

Simultaneous Spanish translation will be available.

OBJECTIVES:

- Examine the latest advances in prevention and management of perinatal brain injury
- Review ways to leverage the placenta to advance neonatal care
- Review controversies on the treatment for meconium aspiration and use of oxygen in the delivery room
- Present an overview of rapid genetic diagnosis and future therapeutics
- Provide an update on medical, neurodevelopmental, and parental consequences of extreme prematurity
- Review current evidence-based guidelines for neonatal red cell transfusions
- Describe placenta-lung endotypes of bronchopulmonary dysplasia
- Examine implications of platelets as immune cells after neonatal platelet transfusions
- Discuss the updates of NRP 9th edition
- Describe the liver-gut-microbiome axis and fatty acid absorption in preterm infants
- Update on the use of probiotics and biotherapeutics in the NICU
- Discuss the potential advantages of maternal vs donor human milk in VLBW infants
- Discuss the challenges in the management of intestinal failure in preterm infants
- Evaluate the use of micronutrients and trace elements to improve growth and outcomes in VLBW infants
- Provide an update on caffeine use in the NICU in 2025
- Review the latest insights into the approach to the PDA in preterm infants
- Discuss the impact of apnea, bradycardia and desaturation in preterm infants
- Review key hemodynamic considerations in neonatal shock
- Provide an overview of strategies to optimize neonatal follow up and follow through
- Give an update on long-term pulmonary outcomes of moderate to extreme preterm birth
- Discuss placenta-lung miscommunication in bronchopulmonary dysplasia and pulmonary hypertension
- Review the long-term implications of growing up with a preterm heart
- Discuss some of the strategies to prevent BPD and reduce residual lung damage

WORKSHOP OBJECTIVES:

- Provide a practical hands-on review of delivery room care
- Discuss strategies to optimize invasive mechanical ventilation
- Describe and review insights of non-invasive respiratory support
- Discuss practical approaches to hemodynamic management in the NICU
- Describe the potential impact of introducing early use of genetics in the NICU
- Discuss current issues in palliative care

ACCREDITATION: The University of Miami Leonard M. Miller School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CREDIT DESIGNATION: The University of Miami Leonard M. Miller School of Medicine designates this live activity for a maximum of **19.25 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

NURSING CREDIT DESIGNATION: Nurses will be provided with 17 continuing education units (CEUs) for the conference by the BNA, Black Nurses Association.

DISCLOSURE AND CONFLICT OF INTEREST MITIGATION: All conflicts of interest of any individual(s) in a position to control the content of this CME activity will be identified and resolved prior to this educational activity being provided. Disclosure about provider and faculty relationships, or the lack thereof, will be provided to learners.

SERVICES FOR THE DISABLED: Please contact the Division of Neonatology prior to November 1, 2025 should you have any special needs that may require additional assistance. A conference staff member will contact you to discuss these special requirements.

FOR MORE INFORMATION, CONTACT:

Division of Neonatology | Connie Arias | Conference Manager | Cda46@med.miami.edu | (305) 585-6408

GUEST SPEAKERS MIAMI NEONATOLOGY 2025

**ERIC EICHENWALD, MD**

Professor of Pediatrics
University of Pennsylvania
Chief, Division of Neonatology
Children's Hospital of Philadelphia

**SUSAN HINTZ, MD, MS Epi.**

Professor of Pediatrics, Obstetrics & Gynecology
Stanford University
Medical Director, Fetal and Pregnancy Health
Lucile Packard Children's Hospital Stanford

**KARA GOSS, MD**

Associate Professor of Pulmonary/
Critical Care Medicine & Pediatrics
University of Texas Southwestern

**BRIAN STANSFIELD, MD**

Vice Chair for Research in Pediatrics
Associate Professor of Pediatrics
Augusta University
Wellstar Children's Hospital of Georgia

**AMY HAIR, MD**

Associate Professor of Pediatrics
Baylor College of Medicine
Program Director, Neonatal Nutrition
Texas Children's Hospital

**MARTHA SOLA-VISNER, MD**

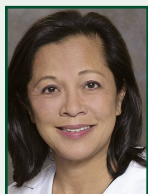
Associate Professor of Pediatrics
Harvard Medical School
Director, Newborn Medicine Clinical
Research Program
Boston Children's Hospital

**PHILIP LEVY, MD**

Associate Professor of Pediatrics
Harvard Medical School
Boston Children's Hospital

**GARY WEINER, MD**

Professor of Neonatal-Perinatal Medicine
& Pediatrics
University of Michigan
C.S. Mott Children's Hospital - Ann Arbor

**KAREN MESTAN, MD, MS**

Professor of Pediatrics
University of California San Diego
Chief, Division of Neonatology
Rady Children's Hospital - San Diego

UNIVERSITY OF MIAMI SPEAKERS

**PANKAJ AGRAWAL, MD, MMSc**

Chief, Division of Neonatology
Project New Born Distinguished Chair in Neonatology
Professor of Clinical Pediatrics and Genetics
University of Miami Miller School of Medicine
Physician-in-Chief
UHealth Pediatrics
Holtz Children's Hospital, Jackson Health System

**MICHAEL PAIDAS, MD**

Professor of Obstetrics, Gynecology & Reproductive Services
University of Miami Miller School of Medicine
Department Chair, Obstetrics, Gynecology & Reproductive Sciences
UHealth Pediatrics
Holtz Children's Hospital, Jackson Health System

**EDUARDO BANCALARI, MD**

Emeritus Professor of Pediatrics
University of Miami Miller School of Medicine
UHealth Pediatrics
Holtz Children's Hospital, Jackson Health System

**KAREN YOUNG, MD**

Professor of Pediatrics
University of Miami Miller School of Medicine
Director, NICU & Neonatal - Perinatal Medicine Fellowship
UHealth Pediatrics
Holtz Children's Hospital, Jackson Health System

**TERESA DEL MORAL, MD, MPH, PhD**

Professor of Pediatrics
University of Miami Miller School of Medicine
Associate Director, NICU
UHealth Pediatrics
Holtz Children's Hospital, Jackson Health System

PRE-CONFERENCE WORKSHOP

Sunday, November 16th, 2025 – 1:00pm - 4:00pm

TOPICS:

Simulation in Neonatal Resuscitation

Teresa del Moral, Susana Agudelo-Uribe, Gary Weiner

Non-Invasive Respiratory Support

Nelson Claude, Zenaida Tauscher, Jose Tolosa

Managing Hemodynamic Instability in the NICU

Karen Young, Philip Levy

Optimizing Mechanical Ventilation

Markus Tauscher, Eduardo Bancalari

Genomics in Neonatal Care

Pankaj Agrawal, Tzofia Drori

Antenatal Counseling and NICU Palliative Care

Grisel Galarza, Gretell Gomez

CONFERENCE PROGRAM SCHEDULE

	Monday, November 17 th , 2025
7:00 am	Breakfast and Exhibits
8:00 – 8:15 am	Welcome Remarks <i>Moderators: Eduardo Bancalari and Pankaj Agrawal</i>
8:15 – 8:45 am	Leveraging the Placenta to Advance Neonatal Care <i>Karen Mestan</i>
8:45 – 9:15 am	Latest Advances in Perinatal Brain Injury <i>Michael Paidas</i>
9:15 – 9:45 am	Controversies That Won't Go Away: What to Do with Meconium and Oxygen in the Delivery Room <i>Gary Weiner</i>
9:45 – 10:15 am	Rapid Genetic Diagnosis and Therapeutics of the Future <i>Pankaj Agrawal</i>
10:15 – 10:45 am	Q/A
10:45 – 11:15 am	Break and Exhibits
11:15 – 12:00 pm	THE CHARLES BAUER KEYNOTE ADDRESS: Consequences of Extreme Prematurity: Medical, Neurodevelopmental, and Parent Voices <i>Susan Hintz</i>
12:00 – 1:00 pm	Lunch and Exhibits
1:00 – 1:30 pm	<i>Moderators: Karen Young and Pankaj Agrawal</i> Evidence-Based Guidelines for Neonatal Red Cell Transfusions <i>Martha Sola-Visner</i>
1:30 – 2:00 pm	Placenta-Lung Endotypes of Bronchopulmonary Dysplasia <i>Karen Mestan</i>
2:00 – 2:30 pm	Platelets as Immune Cells: Implications for Neonatal Platelet Transfusions <i>Martha Sola-Visner</i>
2:30 – 3:00 pm	NRP 9th Edition: What's New and What's Not? <i>Gary Weiner</i>
3:00 – 3:30 pm	Q/A
3:30 – 4:00 pm	Selected Abstract Presentations

CONFERENCE PROGRAM SCHEDULE

Tuesday, November 18th, 2025

7:00 am

Breakfast and Exhibits

8:00 – 8:30 am

Moderators: Teresa del Moral and Gretell Gomez

Liver-Gut-Microbiome Axis and Fatty Acid Absorption in Preterm Infants

Amy Hair

8:30 – 9:00 am

From Probiotics to Biotherapeutics in the NICU

Teresa del Moral

9:00 – 9:30 am

Use of Maternal vs Donor Human Milk in VLBW Infants

Brian Stansfield

9:30 – 10:00 am

Break and Exhibits

10:00 – 10:30 am

Challenges in the Management of Intestinal Failure in Preterm Infants

Amy Hair

10:30 – 11:00 am

Supplementing Micronutrients and Trace Elements to Improve Growth and Outcomes in VLBW Infants

Brian Stansfield

11:00 – 12:00 pm

Panel Discussion & Q/A

12:00 – 1:30 pm

Lunch and Exhibits

Posters Viewing

Moderators: Nelson Claure and Markus Tauscher

1:30 – 2:00 pm

Caffeine Use in the NICU 2025: Beyond the CAP Trial

Eric Eichenwald

2:00 – 2:30 pm

Latest Insights Into the Approach to the PDA in Preterm Infants

Philip Levy

2:30 – 3:00 pm

Apnea, Bradycardia and Desaturation: Harmful or Nuisance?

Eric Eichenwald

3:00 – 3:30 pm

Hemodynamic Considerations in Neonatal Shock

Philip Levy

3:30 – 4:30 pm

Panel Discussion & Q/A

6:00 pm

Cocktail Reception

CONFERENCE PROGRAM SCHEDULE

	Wednesday, November 19 th , 2025
7:00 am	Breakfast and Exhibits
8:00 – 8:30 am	Moderators: Eduardo Bancalari and Merline Benny Strategies To Optimize Neonatal Follow Up and Follow Through <i>Susan Hintz</i>
8:30 – 9:00 am	Long-Term Pulmonary Outcomes of Moderate to Extreme Preterm Birth <i>Kara Goss</i>
9:00 – 9:30 am	Placenta-Lung Miscommunication in Bronchopulmonary Dysplasia and Pulmonary Hypertension <i>Karen Young</i>
9:30 – 10:00 am	Q/A
10:00 – 10:20 am	Break and Exhibits
10:20 – 10:50 am	Growing Up with a Preterm Heart – What Are the Long-Term Implications <i>Kara Goss</i>
10:50 – 11:20 am	Can We Prevent Bronchopulmonary Dysplasia and Reduce Long-Term Lung Damage? <i>Eduardo Bancalari</i>
11:20 – 11:40 am	Q/A
11:40 am	Closing Remarks and Adjourn

CONFERENCE REGISTRATION & INFORMATION

www.miamineonatologyconference.org

Loews Hotel

1601 Collins Avenue | Miami Beach, Florida 33139

Phone: (305) 604-1601

<https://www.loewshotels.com/miami-beach/group-miami-neonatology-2025>

Save the Date



MIAMI
NEONATOLOGY

INTERNATIONAL CONFERENCE

50th ANNIVERSARY

November 15th - 18th, 2026

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