

# **New England Perinatal Society**

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## **49<sup>th</sup> Annual Scientific Meeting**

**March 6 – March 8, 2026**

**Wyndham Newport Hotel**  
240 Aquidneck Ave  
Middletown, Rhode Island

# New England Perinatal Society

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## Officers

MaryAnn Volpe, MD (Mass), Program Chair  
Michele Hacker, ScD (Mass)  
Helen Christou, MD (Mass)  
Ai-ris Collier, MD (Mass)  
Andrea Edlow, MD, MSc (Mass)  
James Hagadorn, MD, MS (Conn)  
Michael House, MD (Mass)  
Liza Konnikova, MD, PhD (Conn)  
Liz McGowan, MD (RI)  
Anna Modest, PhD (Mass)  
David Sink, MD (Conn)  
Jennifer Traski, MD (Conn)  
Elizabeth Yen, MD (Mass)

THE SOCIETY GRATEFULLY ACKNOWLEDGES SUPPORT FROM THE  
AMERICAN ACADEMY OF PEDIATRICS, ABBOTT NUTRITION, CHIESI,  
MALLINCKRODT, PREMIER, AND BOSTON IVF

# New England Perinatal Society

## 2026 Scientific Meeting

### March 6

**6:30 - 8:00 PM**      **Registration and Reception** (*Sunset Room*)

**8:00 PM**              **Program Committee Meeting**

### March 7

**7:30 – 8:00 AM**      **Continental Breakfast** (*John Clarke Room*)

**8:00 - 9:00 AM**      **Featured Speaker – Heather Burris, MD, MPH** (*John Clarke Room*)  
*Postpartum care in the NICU – the PeliCaN model*

**9:00 - 12:00 PM**      **Scientific Session – Oral Presentations** (*John Clarke Room*)  
Moderators: Ai-ris Collier, MD and Liz McGowan, MD

**12:00 - 4:00 PM**      **Free Time**

**4:00 - 6:48 PM**      **Scientific Session – Oral Presentations** (*John Clarke Room*)  
Moderators: Helen Christou, MD and Michael House, MD

**7:00 - 7:30 PM**      **Scientific Session – Poster Presentations** (*Sunset Room*)

**7:30 - 10:00 PM**      **Buffet Dinner and Jeopardy** (*Sunset Room*)

### March 8

**7:30 – 8:00 AM**      **Continental Breakfast**

**8:00 - 9:00 AM**      **Featured Speaker – Errol Norwitz, MD, PhD, MBA** (*John Clarke Room*)  
*Using predictive AI modeling to address uncertainty in obstetrics*

**9:00 - 12:00 PM**      **Scientific Session – Abstract Presentations** (*John Clarke Room*)  
Moderators: Liz Yen, MD and David Sink, MD

**12:00 - 12:30 PM**      **Meeting Wrap Up, Awards, and Announcements** (*John Clarke Room*)

Saturday, March 7, 2026

First Scientific Session: Oral Presentations

- 9:00 AM** **Directly measured macronutrient intakes and growth outcomes in human milk-fed very preterm infants**  
Natalie Finton, Division of Newborn Medicine, Brigham and Women's Hospital
- 9:12 AM** **Obstetric provider preferences on induction of labor in the absence of medical indication at a single academic institution**  
Christiana Johnson, Department of Ob-Gyn, Beth Israel Deaconess Medical Center
- 9:24 AM** **Associations of small-for-gestational-age birth with brain volume and composition at 16 months in rural Ethiopia**  
Yumin Kim, Global Alliance for Infant and Maternal Health Research Group, Brown University and Addis Continental Institute of Public Health
- 9:36 AM** **Personalized models of fetal brain development as biomarkers of offspring neurodevelopmental outcomes after maternal SARS-CoV-2**  
Alison Araten and Katherine Meyer, Department of Ob-Gyn, Massachusetts General Hospital
- 9:48 AM** **Providers' perspectives and education in caring for LGBTQ+ families in the NICU: a qualitative study**  
Russell Himmelstein, Yale University
- 10:00 AM** **Break**
- 10:12 AM** **Characterizing health-related quality of life amongst preterm infants and parents**  
Manasa Kuncham, Brigham and Women's Hospital
- 10:24 AM** **Remote recruitment to diversify infant research participation: lessons from the infant vaccine biorepository**  
Eleanor Haskell Nicholson, Beth Israel Deaconess Medical Center
- 10:36 AM** **Enhanced placental antibody transfer efficiency with longer interval between maternal respiratory syncytial virus vaccination and birth**  
Elizaveta Pobeziinskaya and Saung Oo May, Department of Ob-Gyn, Massachusetts General Hospital
- 10:48 AM** **Respiratory syncytial virus immunization in the NICU during the 2024-2025 season**  
Maria Laura Mourão, Department of Neonatology, Beth Israel Deaconess Medical Center
- 11:00 AM** **Factors associated with preconception detectable viral load at time of initial prenatal visit**  
Willa Molho, Boston University School of Medicine
- 11:12 AM** **Defining the role of PINK1/parkin dependent mitophagy in right ventricular dysfunction and cardiomyocyte impairment in experimental pulmonary hypertension**  
Ioanna Kotsopoulou, Division of Newborn Medicine, Boston Children's Hospital
- 11:24 AM** **Intensity of social determinants of health adversity predicts maternal milk intake patterns through the first postnatal month among very preterm infants in the NICU**  
Brigitta Gehl, Yale University School of Medicine
- 11:36 AM** **Feeding practices and growth outcomes among low birthweight and preterm infants: findings from a multisite study in low-resource settings**  
Dwita Esterini, Division of Newborn Medicine, Brigham and Women's Hospital
- 11:48 AM** **Quality improvement and cost-effectiveness analysis of universal maternal syphilis screening at delivery**  
Shannon West, University School of Medicine

**Saturday, March 7, 2026**  
**Second Scientific Session: Oral Presentations**

- 4:00 PM**    **U.S. state-level periconception GLP-1 receptor agonist prescription prevalence in 2023 and 2024**  
Robert Jones, Department of Ob-Gyn, Beth Israel Deaconess Medical Center
- 4:12 PM**    **Maternal substance use and altered maternal and fetal immune responses: implications for offspring neurodevelopmental risk**  
Mya Collins and Oscar Jimenez, Department of Ob-Gyn, Massachusetts General Hospital
- 4:24 PM**    **Sex-specific transcriptional changes in endocannabinoid-lipid gene expression in neonates with prenatal cannabis exposure**  
Parvathy Krishnan, Tufts University School of Medicine
- 4:36 PM**    **Antidiabetic medication use among postpartum patients with type 2 diabetes. trends from 2010-2024**  
Sarah Nartey, Department of Ob-Gyn, Beth Israel Deaconess Medical Center
- 4:48 PM**    **Developmental transitions in intestinal structural growth and nutritional coupling in preterm infants**  
Saharanz Talebiyan, Tufts University School of Medicine
- 5:00 PM**    **Placenta accreta spectrum and postpartum depression: a prospective cohort study**  
Karen Mori, Department of Ob-Gyn, Beth Israel Deaconess Medical Center
- 5:12 PM**    **Seeking not just to coexist, but to understand: what are the opportunities for system change to enhance collaboration between doulas and the health system?**  
Shreetoma Datta, Department of Ob-Gyn, Beth Israel Deaconess Medical Center
- 5:24 PM**    **Break**
- 5:36 PM**    **Effects of maternal opioid use on offspring gut metabolomic composition: a pilot study**  
Marissa Chow, Woman, Mother + Baby (WoMB) Research Institute, Tufts Medical Center
- 5:48 PM**    **Comprehensive single-cell profiling of the maternal-fetal interface in type 1 diabetes**  
Joshua Remland, Department of Ob-Gyn, Massachusetts General Hospital
- 6:00 PM**    **Recruitment efficiency and longitudinal survey completion patterns in a prospective inpatient clinical trial**  
Amie Adjakple and Ayesha Alvi, Yale University
- 6:12 PM**    **NICU family meetings: communication patterns, patient-centeredness, and family perception**  
Sofia Gnecco-González, Department of Neonatology, Beth Israel Deaconess Medical Center
- 6:24 PM**    **Heat stress and birth outcomes in a pregnancy cohort in rural Amhara, Ethiopia**  
Mollie Ockene, The Warren Alpert Medical School of Brown University
- 6:36 PM**    **Retrospective trial-based cost-effectiveness evaluation of a low-cost, non-electric, infant warmer for hypothermia in Rwanda.**  
Santiago Reyes De la Torre, Department of Neonatology, Beth Israel Deaconess Medical Center

**SATURDAY, MARCH 7, 2026**

**Third Scientific Session: Poster Walk**

**Demographic factors associated with seeking D&E care in the periviable period**

Maria Bazan, Department of Ob-Gyn, Beth Israel Deaconess Medical Center

**Implementation of a shared decision-making tool to inform infant feeding choice in pregnant people living with HIV**

Gabriela Comptdaer, Departments of Ob-Gyn, Boston University Chobanian and Avedesian School of Medicine

**Neurodevelopmental outcomes of 3-year-old children of mothers with SARS-CoV-2 infection in pregnancy**

Sophia Feinerman, Department of Ob-Gyn, Massachusetts General Hospital

**Characterization of positivity rate and patient population undergoing urine drug testing on labor and delivery**

Elliana Gianacopoulos, University of Connecticut School of Medicine, Farmington CT, USA

**Is there utility of the sFlt-1/PlGF ratio to predict severe preeclampsia in a periviable pregnancy?**

Estefania Rivera Mudafort, University of Connecticut

**Trends in pharmacological interventions for postpartum depression from 2019-2024**

Emily Stonestreet, Department of Ob-Gyn, Beth Israel Deaconess Medical Center

**Speedy eaters! – Use of an FDA class II biofeedback device to improve timeliness to independent full oral feeding in preterm infants**

Victoria Panwala, Massachusetts General Hospital for Children

**Readability assessment of English and Spanish obstetric discharge education in epic**

Karin Ulanovsky, Warren Alpert Medical School of Brown University

**Breastfeeding challenges after a placenta accreta spectrum diagnosis: a qualitative study**

Daniela Reyes, Department of Ob-Gyn, Beth Israel Deaconess Medical Center

SUNDAY, MARCH 8, 2026

**Fourth Scientific Session: Oral Presentations**

- 9:00 AM Human milk type and infant body composition and size in very preterm infants**  
Sarah Roytek, Division of Newborn Medicine, Brigham and Women's Hospital
- 9:12 AM Physician-estimated quantity and actual laboratory yield in chorionic villus sampling**  
Maria Sarquis, Department of Ob-Gyn, Beth Israel Deaconess Medical Center
- 9:24 AM Hidradenitis suppurativa and postpartum mental health outcomes: a retrospective cohort study**  
Andreas Tziotis, Department of Ob-Gyn, Beth Israel Deaconess Medical Center
- 9:36 AM Coping moderates the relationship between NICU infant med severity and parent-child bonding**  
Sara Bogan, Center for Health Outcomes and Interdisciplinary Research, Massachusetts General Hospital
- 9:48 AM Quantifying patient preferences in obstetric care: utilizing discrete choice experiments to evaluate doula characteristics among birthing populations**  
Nayantara Biswas, Department of Ob-Gyn, Beth Israel Deaconess Medical Center
- 10:00 AM Break**
- 10:12 AM Household resources and maternal milk provision in the NICU and post-discharge feeding status among very preterm infants**  
Noni Unobagha, Harvard T. H. Chan School of Public Health
- 10:24 AM Performing standard first trimester ultrasound is cost-effective after low-risk non-invasive prenatal testing**  
Courtney Hargreaves, Department of Ob-Gyn, Tufts Medical Center
- 10:36 AM Clinical signs associated with mortality and sepsis in young infants: a systematic review and meta-analysis**  
Sophie Driker, Brigham and Women's Hospital
- 10:48 AM Periconception hemoglobin a1c and the risk of neurodevelopmental disorders in the offspring**  
Laura Ibanez-Pintor, Department of Ob-Gyn, Massachusetts General Hospital
- 11:00 AM The prevalence of hypoallergenic diet use amongst ex-preterm infants**  
Emma Adkins, Brigham and Women's Hospital
- 11:12 AM Sex differences in cord blood inflammation at birth in offspring exposed to gestational diabetes mellitus**  
Rachel Yinger, Department of Ob-Gyn, Massachusetts General Hospital
- 11:24 AM Examining barriers to in-office prenatal vaccination for non-birthing partners**  
Maxine Slater, Department of Ob-Gyn, Warren Alpert Medical School of Brown University
- 11:36 AM Discharge home from the NICU: Learning from the family experience**  
Luna Hurtado-Apolinar, Department of Neonatology, Beth Israel Deaconess Medical Center