

PAS 2023

Presentations and Posters

The following list includes all PAS presentations and posters featuring Children's Healthcare of Atlanta and/or Emory University physicians and researchers. For a full list or additional details on any of the presentations or posters below, please reference the full 2023 PAS Program Guide at pas-meeting.org.



Children'sSM
Healthcare of Atlanta

PAS 2023 Oral Presentations and Workshops

Thursday, April 27, 2023

POCUS Simulation: Making the Model

3:45–4:30 p.m. • Convention Center: 146 B

Speaker: Pete Gutierrez, MD

Friday, April 28, 2023

PAS Postgraduate Course: Better Than Expected: Neurodevelopment and Follow-Up of NICU Infants For the Next Half Century

8:00 a.m.–1:30 p.m. • Convention Center 151 B

Chair: Nathalie Maitre, MD, PhD

Surveillance and Intervention to Improve Motor Outcomes

8:10–8:35 a.m.

Speaker: Nathalie Maitre, MD, PhD

Resilience and Cognitive Outcomes in NICU Graduates

8:35–9:00 a.m.

Speaker: Mary Lauren Neel, MD, MSCI

All Work and No Play: The History of Recess and Its Role in Child Development

3:45–5:15 p.m. • Convention Center: 146 C

Presenting Author: Audrey Duquette

Contributing Author: Helen Evans, MD, PhD

Critical Race Theory in the Exam Room: Applying Medical CRT to Physician-Patient Relationships, Patient Care, and Advocacy

3:45–5:15 p.m. • Convention Center: 143 ABC

Co-Leader: Salathiel Kendrick-Allwood, MD

Group B Streptococcus Antibodies and Placental Antibody Transfer Ratios Among Persons Presenting for Childbirth 2019-2021

3:45–4:00 p.m. • Convention Center: 152 A

Contributing Author: Ravi Patel, MD, MSc, Yun Wang, MD, PhD

Mitigating Procedural Pain and Anxiety

3:45–5:15 p.m. • Convention Center: 305

Co-Leader: Rebecca Burger, MD

The Impact of Workforce Shortages and Increased Operational Cost on The Research & Clinical Missions of Academic Institutions

3:45–5:15 p.m. • Convention Center: 202 B

The Effect of the Financial Crisis on the Clinical Mission of Large Academic Institutions

4:05–4:25 p.m.

Speaker: James Fortenberry, MD

Rates of Lumbar Puncture Success With and Without Point of Care Ultrasound (POCUS) in the Neonatal Intensive Care Unit (NICU)

4:15–4:30 p.m. • Convention Center: 150 B

Contributing Author: Shazia Bhombal, MD

Saturday, April 29, 2023

Air Pollution and Climate Change: How Every Pediatrician Can Help

8:00–9:30 a.m. • Convention Center: Ballroom B

Chair: Preeti Jaggi, MD

Speaker: Rebecca Philipsborn, MD, MPA

Neonatal Follow-Up

8:00–9:30 a.m. • Convention Center: 152 B

Moderator: Salathiel Kendrick-Allwood, MD

Neonatal-Perinatal Health Care Delivery 1: Epidemiology/Health Services Research

8:00–9:30 a.m. • Convention Center: 150 A

Redirection of Care in Relation to Social Determinants of Health for Infants Born Extremely Preterm

8:00–8:15 a.m.

Contributing Authors: NICHD Neonatal Research Network: Ravi Patel, MD, MSc, Brenda Poindexter, MD, MS, Nathalie Maitre, MD, PhD

The Impact of Firearm Policies and Research Priorities in the United States: Past, Present, and Future

8:00–9:30 a.m. • Convention Center: 206

Firearm Injuries and Deaths and Related Health Disparities in U.S. Children and Youth

8:10–8:25 a.m.

Speaker: Sofia Chaudhary, MD

PAS 2023 Oral Presentations and Workshops

APA Urgent Care SIG

8:00–9:30 a.m. • Convention Center: 102 A

SIG Chair: Amy Pattishall, MD

Injury Prevention: Incorporating Your Passion into Clinical Practice and Finding Mentors

8:20–8:40 a.m.

Speaker: Kiesha Fraser Doh, MD

Addressing Gaps in Pediatric Behavioral Mental Health Training: Learning from Recent Data and Current Demonstration Projects

8:00–9:30 a.m. • Convention Center: 207 A

Recently Graduated Subspecialty Fellows' Perspectives on Readiness for Practice

8:30–8:35 a.m.

Speaker: Rebecca Sanders, MD, PhD

Neonatal-Perinatal Health Care Delivery 1: Epidemiology/Health Services Research

8:00–9:30 a.m. • Convention Center: 150 A

Current Trends in Invasive Closure of Patent Ductus Arteriosus in Very Low Birth Weight Infants

8:30–8:45 a.m.

Contributing Author: Ravi Patel, MD, MSc

Genetic Liver Disease: A New Perspective

8:00–9:30 a.m. • Convention Center: 209 A

Use of a Comprehensive 66-Gene Cholestasis Sequencing Panel in 2171 Cholestatic Infants, Children, and Young Adults

9:05–9:20 a.m.

Speaker: Saul Karpen, MD PhD

Neonatal Clinical Trials 1: Neurology and the Developing Brain

8:00–9:30 a.m. • Convention Center: Ballroom A

Randomized Trial of Targeted Temperature Management with Whole Body Hypothermia for Moderate and Severe Neonatal Encephalopathy (NE) in Premature Infants 33-0/7 to 35-6/7 wk Gestational Age (GA)—a Bayesian Study

8:00–8:15 a.m.

Contributing Authors: NICHD Neonatal Research Network: Ravi Patel, MD, MSc, Brenda Poindexter, MD, MS, Nathalie Maitre, MD, PhD

Magnetic Resonance Imaging (MRI) in Term Infants with Hypoxic-Ischemic Encephalopathy (HIE) in the Optimizing Cooling Strategies Trial

8:15–8:30 a.m.

Contributing Authors: NICHD Neonatal Research Network: Ravi Patel, MD, MSc, Brenda Poindexter, MD, MS, Nathalie Maitre, MD, PhD

Darbepoetin (Darbe) Trial to Improve Red Cell Mass and Neuroprotection in Preterm Infants

8:45–9:00 a.m.

Contributing Authors: NICHD Neonatal Research Network: Ravi Patel, MD, MSc, Brenda Poindexter, MD, MS, Nathalie Maitre, MD, PhD

Subspecialty Networking Breakout—Developmental and Behavioral Pediatrics and Neonatal Follow-Up

10:00–11:00 a.m. • Convention Center: 144 ABC

Facilitators: Nathalie Maitre, MD, PhD, Salathiel Kendrick-Allwood, MD

APA Medical Informatics SIG

11:00 a.m.–12:30 p.m. • Convention Center: 159 AB

SIG Chair and Presenter: Mark Mai, MD, MHS

Hands-On Statistical Process Control: Making and Using Control Charts to Drive Quality Improvement

11:00 a.m.–12:30 p.m. • Convention Center: 141

Co-Leader: Michelle-Marie Peña, MD

Neonatology General 2: NICU Outcomes

11:00 a.m.–12:30 p.m. • Convention Center: 150 A

Survival, Major Morbidities, and Neurodevelopmental Impairment in Extremely Preterm, Small for Gestational Age Infants

11:15–11:30 a.m.

Contributing Author: Brenda Poindexter, MD

Necrotizing Enterocolitis Focus Group

12:30–2:00 p.m. • Convention Center: 144 ABC

Exploring the Tools Available for Diagnosing NEC Earlier

1:05–1:25 p.m.

Speaker: Ravi Patel, MD, MSc

PAS 2023 Oral Presentations and Workshops

Hands-On Training to Assess Cardiac Function and Patent Ductus Arteriosus Using Neonatal Echocardiography Simulator

2:00–3:30 p.m. • Convention Center: 143 ABC

Co-Leader: Shazia Bhombal, MD

Recruiting and Retaining Physicians with Disabilities

2:00–3:30 p.m. • Convention Center 151 B

Chair: Nathalie Maitre, MD, PhD

Speaker: Amy Rule, MD MPH

Speaker: Joshua Vova, MD

APA Newborn SIG

2:00–3:30 p.m. • Convention Center: 154 AB

SIG Chair: Salathiel Kendrick-Allwood, MD

Breast/Chest Feeding and HIV: A Robust Discussion of Informed Choices and EBM

2:30–2:45 p.m.

Speaker: April Dworetz, MD, MPH, MAB

Sunday, May 30, 2023

Hands-On Training to Assess Pulmonary Hypertension and Shunts Across PDA and PFO Using Neonatal Echocardiography Simulator

8:00–9:30 a.m. • Convention Center: 143 ABC

Co-Leader: Shazia Bhombal, MD

Frontiers of Transplantation in Children

8:00–9:30 a.m. • Convention Center: 201

Novel Ways to Increase Donor Pool for Pediatric Kidney Transplant Candidates

8:20–8:40 a.m.

Speaker: Rouba Garro, MD

Global Neonatal & Children's Health 2

8:00–9:30 a.m. • Convention Center: 146 B

Clinical Care Guideline Adherence Among Children Who Died in Seven Countries in the Child Health and Mortality Prevention Surveillance (CHa.m.PS) Network

8:30–8:45 a.m.

Presenting Author: Chris Rees, MD, MPH

Toward Improved Diagnostic Capability: Discrepancies Between Pre- and Post-Mortem Diagnoses Among Infants and Children Who Died in Seven Countries, 2016-2022

8:45–9:00 a.m.

Presenting Author: Chris A. Rees, MD, MPH

Neonatal Infectious Diseases/Immunology 2

8:00–9:30 a.m. • Convention Center: 146 C

Impact of Maternal COVID-19 on Outcomes of Extremely Preterm Infants in the Neonatal Intensive Care Unit (NICU)

8:30–8:45 a.m.

Contributing Authors: NICHD Neonatal Research Network: Ravi Patel, MD, MSc, Brenda Poindexter, MD, MS, Nathalie Maitre, MD, PhD

Health Equity/Social Determinants of Health 1

8:00–9:30 a.m. • Convention Center: 209 BC

Disparities in Plastic Surgery Consultations for Facial Laceration Repair/Health Equity/Social Determinants of Health 2

8:45–9:00 a.m. • Convention Center: 209 BC

Contributing Author: Chris Rees, MD, MPH

Subspecialty Networking Breakout—NICU Follow-Up

10:00–11:00 a.m. • Convention Center: 102 A

Facilitators: Salathiel Kendrick-Allwood, MD, Nathalie Maitre, MD, PhD, Mary Lauren Neel, MD, MSCI

Subspecialty Networking Breakout-NEC

10:00–11:00 a.m. • Convention Center: 140 B

Facilitators: Ravi Patel, MD, MSc

Emergency Medicine 3

11:00 a.m.–12:30 p.m. • Convention Center: 204 AB

Institutional Variation in Cervical Spine Imaging among Children with Blunt Trauma: A Multicenter Prospective Observational Cohort Study

11:00–11:15 a.m.

Contributing Author: Rebecca Burger, MD

Disparities in Pediatric Cervical Spine Injury Management by Race and Ethnicity

11:15–11:30 a.m.

Contributing Author: Claudia Morris, MD, FAAP

Racial Differences in Public Support for Conducting the PediDOSE study with Exception from Informed Consent (EFIC)

11:30–11:45 a.m.

Contributing Authors: Claudia Morris, MD, FAAP, Harold Simon, MD, MBA

PAS 2023 Oral Presentations and Workshops

Mind the Gap: How Can We Bridge Evidence to Practice?

11:00 a.m.–12:30 p.m. • Convention Center: 304

Co-Leader: Ravi Patel, MD, MSc

Neonatal Neurology 4: Neurodevelopment

11:00 a.m.–12:30 p.m. • Convention Center: 147 AB

Preterm Infant Cortical Responses to Mother's Voice in the NICU Predict Later Emotional Connection with Mother

11:00–11:15 a.m.

Presenting Author: Mary Lauren Neel, MD, MSCI

Contributing Authors: Nathalie Maitre, MD, PhD

Health Equity/Social Determinants of Health 2

11:00 a.m.–12:30 p.m. • Convention Center: 207 A

Moderator: Salathiel Kendrick-Allwood, MD

The Inaugural Choosing Wisely List for Pediatric Emergency Medicine: Strategies for Local Implementation

2:00–3:30 p.m. • Convention Center: 158 AB

Co-Leader: Shabnam Jain, MD, MPH

Trainee Knowledge Cafe: Table Talk to Help You Rock

2:00–3:30 p.m. • Convention Center: 149 AB

Co-Leaders: Sarah Varghese, MD, Rebecca Sanders, MD, PhD, Nicole Hames, MD

PAS Environmental Health SIG

2:00–3:30 p.m. • Convention Center: 154 AB

Innovations to the Medical School Curriculum

2:50 p.m.–3:05 p.m.

Speaker: Rebecca Philipsborn, MD, MPA

Monday, May 1, 2023

Breaking Down Silos in Neonatal Health Equity: The Neonatal Justice Collaborative's (NJC) Novel Approach

8:00–9:30 a.m. • Convention Center: 149 AB

Co-Leader: Michelle-Marie Peña, MD

Developing a Point of Care Ultrasound Program in Your Neonatal ICU—What Does it Take?

8:00–9:30 a.m. • Convention Center: 101

Leader: Shazia Bhombal, MD

Co-Leader: Vivek Saroha, MD, PhD

Milk & Microbes: Optimizing Early Nutrition & Response to Microbial Exposures to Reduce Inequities in Cardiometabolic Disease

8:00–9:30 a.m. • Convention Center: 150 A

Chairs and Speakers: Andi Shane, MD, MPH, MSc, Nathalie Maitre, MD, PhD

Neonatal Hematology & Bilirubin Metabolism

8:00–9:30 a.m. • Convention Center: 150 B

Red Blood Cell Irradiation, Storage, Metabolomics and Mesenteric Tissue Oxygenation Responses to Transfusion in Very Preterm Infants

8:30–8:45 a.m.

Presenting Author: Ravi Patel, MD, MSc

Emergency Medicine 5

1:00–2:30 p.m. • Convention Center: 152 A

Moderator: Rebecca Burger, MD

Hot Topic Debates: Antimicrobial Use in Neonates

1:00–2:30 p.m. • Convention Center: 146 A

Chair and Speaker: Preeti Jaggi, MD

The Association of Neighborhood Deprivation Index and Race with Neonatal and Post-Neonatal Infant Mortality in Georgia, 2009 to 2019

1:00–2:30 p.m. • Convention Center: 146 C

Presenting Author: Mattie Wolf, MD

Contributing Author: Ravi Patel, MD, MSc, Elizabeth Sewell, MD, MPH

PAS 2023 Poster Presentations

Friday, April 28, 2023

5:15–7:15 p.m.

Apnea After 2-Month Vaccinations in Hospitalized Preterm Infants: A Randomized Clinical Trial

Neonatal Clinical Trials 1

Contributing Author: Brenda Poindexter, MD, MS

Butyrate Supplementation During Pregnancy Reduces Neonatal Gut Injury in a Murine Intestinal Inflammation Model

Neonatal GI Physiology & NEC 1: GI Health and NEC Complications

Presenter: Maria Barbian, MD

Contributing Authors: Ravi Patel, MD, MSc, Patricia Denning, MD

Can Total Sarnat Score Predict Outcome in Moderate or Severe Hypoxic-Ischemic Encephalopathy (m-sHIE)?

Neonatal Neurology 3: Clinical 3

Contributing Authors: Elizabeth Sewell, NICHD Neonatal Research Network: Ravi Patel, MD, MSc, Brenda Poindexter, MD, MS, Nathalie Maitre, MD, PhD

Determination of Research Priorities for Disparities and Inequities in Pediatric Emergency Care

Health Equity/Social Determinants of Health 1

Contributing Author: Chris Rees, MD, MPH

PDA Treatments and Hydrocortisone Exposure in Extremely Preterm Infants: A Secondary Analysis of the Hydrocortisone Trial

Neonatal Clinical Trials 1

Contributing Authors: Shazia Bhombal, MD, NICHD Neonatal Research Network: Ravi Patel, MD, MSc, Brenda Poindexter, MD, MS, Nathalie Maitre, MD, PhD

Postnatal Growth and Cognition at 2 Years of Age in Extremely Preterm Infants

NICU Follow Up and Neurodevelopmental 2: Neonatal Growth, Nutrition and the Brain

Contributing Authors: Brenda Poindexter, MD, MS, NICHD Neonatal Research Network: Ravi Patel, MD, MSc, Nathalie Maitre, MD, PhD

Postnatal Growth as Stand-Alone Predictor of Cognition at 2 Years of Age in Extremely Preterm Infants Neonatal Fetal Nutrition & Metabolism 2: Neonatal Nutrition, Growth, and Outcomes

Neonatology

Contributing Authors: Brenda Poindexter, MD, MS, NICHD Neonatal Research Network: Ravi Patel, MD, MSc, Nathalie Maitre, MD, PhD

Perspectives of Black Birthing Parents' Sources of Advice and Information on Infant Feeding

Breastfeeding/Human Milk 2: Addressing Inequities in Lactation

Presenter: Michelle-Marie Peña, MD

Timing of the NeoNatal Neurobehavioral Scale, 2nd Edition (NNNS-II) in Infants With Antenatal Opioid Exposure and Controls

Neonatal Neurology 1: Clinical 1

Contributing Author: Brenda Poindexter, MD, MS

Feeding Outcomes of Preterm Infants Discharged with Tube Feeds

NICU Follow Up and Neurodevelopmental 2: Neonatal Growth, Nutrition and the Brain

Presenter: Anisa Lakhani, MD

Contributing Authors: Barbara McElhanon, MD, Zhulin He, PhD, Nikhila Raol, MD, MPH, William Sharp, PhD, Heidi Karpen, MD

Professional and Personal Wellness Among Women Neonatologists

Neonatal General 2

Contributing Author: Shilpa Vyas-Read, MD

Saturday, April 29, 2023

3:30–6:00 p.m.

Choosing Wisely in Pediatric Emergency Medicine: Five Opportunities to Improve Value and Outcomes

Emergency Medicine 8

Presenter: Shabnam Jain, MD, MPH

Clinical Practice Guideline Development, Implementation, and Assessment of Adherence in U.S. Pediatric Emergency Departments: A Cross-Sectional Study

Emergency Medicine 5 B

Presenter: Chidiebere Ugwu, MD

Contributing Authors: Scott Gillespie, MS, MSPH, Chris Rees, MD, MPH, Shabnam Jain, MD, MPH.

Data Sharing for NIH-Funded Pediatric Clinical Trials

General Pediatrics 3

Contributing Author: Chris Rees, MD, MPH

Interrater Reliability Between Surgical and Emergency Department Providers When Evaluating Children for Cervical Spine Injury

Emergency Medicine 5 A

Contributing Author: Rebecca Burger, MD

The Creative Mindset of Pediatric Emergency Physicians as a Predictor of Burnout: An Exploratory Study

Emergency Medicine 8

Presenter: Nagma Khan, MD, MS

Contributing Author: Andrew Jergel, MPH

Relationship Between Perceived Stigma in Healthcare Settings and Psychological Distress Among Individuals Who Took Opioids During Pregnancy

Neonatal-Perinatal Health Care Delivery 3: Epi/HSR Antenatal Exposures and Neonatal Outcomes

Contributing Author: Brenda Poindexter, MD, MS

Unbound Bilirubin and Risk of Severe Neurodevelopmental Impairment in Extremely Low Birthweight (ELBW) Newborns

Neonatal Hematology & Bilirubin Metabolism 1: Bilirubin

Contributing Authors: NICHD Neonatal Research Network: Ravi Patel, MD, MSc, Brenda Poindexter, MD, MS, Nathalie Maitre, MD, PhD

Sunday, April 30, 2023

3:30–6:00 p.m.

Accuracy of Clinical Suspicion for Cervical Spine Injury

Emergency Medicine 12

Presenter: Rebecca Burger, MD

Assessment of CONSENTER: a Digital Tool to Enhance Recruitment for a Prospective Longitudinal Cohort Study of Antenatal Opioid Exposure

NICU Follow Up and Neurodevelopment 5: Impact of Parents and Social Determinants of Health

Contributing Author: Brenda Poindexter, MD, MS

Assessment of the Spectrum of Kidney Injury During Therapy for Pediatric Acute Leukemia

Nephrology 5: CKD/ Diversity and Equity in Kidney Health

Contributing Author: Tamara Miller, MD

International Survey of Variability in Management of Neonatal Hypoxic Ischemic Encephalopathy

Neonatal Neurology 4: Clinical 4

Contributing Author: Shannon Hamrick, MD

Latent Profile Analysis of NNNS-II Scores Among Neonates with Antenatal Opioid Exposure and Controls

Neonatal General 9: NOWS and Other Exposures

Contributing Author: Brenda Poindexter, MD, MS

Pediatric Global Health Abstracts: Presented But Not Published

Global Neonatal & Children's Health 2

Presenter: Chris Rees, MD, MPH

Contributing Authors: Ugwu Chidiebere, MD, Brittany Murray, MD

Predictive Value of Clinician Impression for Post-Discharge Mortality and Readmission Among Neonates, Infants, and Children in Dar es Salaam, Tanzania and Monrovia, Liberia

Global Neonatal & Children's Health 2

Presenter: Chris Rees, MD, MPH

Contributing Authors: Adrianna Westbrook, MPH, Claudia Morris, MD, FAAP

PAS 2023 Poster Presentations

Secular Trends in Patent Ductus Arteriosus Management in Preterm Infants Within the Neonatal Research Network

Neonatal Cardiac Physiology/Pathophysiology/Pulmonary Hypertension 1

Contributing Authors: NICHD Neonatal Research Network: Ravi Patel, MD, MSc, Brenda Poindexter, MD, MS, Nathalie Maitre, MD, PhD

The Three Delays-in-Healthcare Model Applied to Mortality Among Infants and Children Aged 1-59 Months in Seven High Mortality Regions

Global Neonatal & Children's Health 1

Presenter: Elisa Garcia-Gomez

Contributing Author: Chris Rees, MD, MPH

Use of Lung Ultrasound Aids in Prediction of Successful CPAP Discontinuation in Preterm Infants

Neonatal Respiratory Assessment/Support/Ventilation 1: Lung US-BPD

Contributing Author: Shazia Bhombal, MD

Ventricular Function, ECMO Mode, and Outcome in Neonates with Respiratory Failure Treated with ECMO

Neonatal Cardiac Physiology/Pathophysiology/ Pulmonary Hypertension 2

Presenter: Shazia Bhombal, MD

Monday, May 1, 2023

9:30–11:30 a.m.

Association of Antenatal Steroid Exposure at ≤ 22 Weeks of Gestation with Neurodevelopmental Outcome in Extremely Preterm Infant

NICU Follow-Up and Neurodevelopment 6: The NICU Stay and Outcomes

Contributing Authors: Ravi Patel, MD, MSc, NICHD Neonatal Research Network: Brenda Poindexter, MD, MS, Nathalie Maitre, MD, PhD

Assessment of Disaster Preparedness at the Household Level in a Pediatric Cardiology Clinic Population

Public Health & Prevention 4

Presenter: Matthew Mosgrove, MD

Contributing Authors: David Greenky, MD, Glen Iannucci, MD, Rebecca Philipsborn, MD, MPA, Amy Bohling, Samantha Steigerwald, Benjamin Herron, Andrew Jergel, MPH, Brittany Murray, MD

Characteristics of Infants With Severe Bronchopulmonary Dysplasia and Pulmonary Vein Stenosis

Neonatal Cardiac Physiology/Pathophysiology/Pulmonary Hypertension 4

Presenter: Erica McArthur, MD

Contributing Author: Shipa Vyas-Read, MD, Shannon Hamrick, MD, James Kuo, MD, Brenda Anani, Zhulin He, PhD

Creating a Novel “CPAP Discontinuation Readiness” Score for Preterm Infants

Neonatal Respiratory Assessment/Support/Ventilation 5: Surfactant and NIV 2

Contributing Author: Shazia Bhombal, MD

Emergency Department Adherence to Infection Mitigation Strategies for Dog Bite Wounds

Emergency Medicine 14

Contributing Author: Chris Rees, MD, MPH

Reducing Firearm Access for Youth At-Risk for Suicide in a Pediatric Emergency Department

Injury Prevention 2

Presenter: Caroline Chivily, MPH

Contributing Authors: Sofia Chaudhary, MD, Sarah Lazarus, DO, Harold Simon, MD, MBA, Scott Gillespie, MS, MSPH, Kiesha Fraser Doh, MD, Angela Costa, DO, Nathan Call, PhD, BCBA-D, Jonathan Rupp, PhD

Emergency Department Facial Laceration Repair: Utilization of Procedural Sedation During Repair by Emergency Medicine Providers vs. Plastic Surgery Consultants

Emergency Medicine 14

Contributing Author: Chris Rees, MD, MPH