



PAS 2024

Presentations and Posters

The following list includes all PAS presentations and posters featuring Children's Healthcare of Atlanta and Emory University physicians and researchers. For a full list or additional details on any of the presentations or posters below, please reference the full 2024 PAS Program Guide at www.pas-meeting.org.

FRIDAY, MAY 3, 2024

Pre-Conference Program

7 a.m. to 1:30 p.m. | Metro Toronto Convention Centre: 201 BD

Building a World Without NEC: Necrotizing Enterocolitis Spanning Bench-to-Bedside Research and QI

8:30 a.m. to 9 a.m. Presentation | Using Epidemiology to Understand Where We Are With NEC

Chair: Ravi Patel, MD, MSc

PAS Postgraduate Course

7 a.m. to 1:30 p.m. | Metro Toronto Convention Centre: 206 BD

What To Do While You Wait To Hear “It’s Not the Heart:” Hot Topics in Neonatal Care

8:25 a.m. to 9:05 a.m. Presentation | Don’t Panic: Delivery Room Resuscitation of Neonates With Critical Congenital Heart Disease

Speaker: Shazia Bhombal, MD

PAS Postgraduate Course

7 a.m. to 1:15 p.m. | Metro Toronto Convention Centre: 201 F

Hot Topics in Pediatric Bioethics

8 a.m. to 8:40 a.m. Presentation | Pharmaceutical Ethics: Soaring Costs, Drug Shortages, Vaccines

Speaker: Helen Williams, MD, MAB

APA QI

9 a.m. to 10:40 a.m. | Metro Toronto Convention Centre: 713 B

Health Equity and QI: Data-Driven Strategies and Ethical Considerations

Speaker: Michelle-Marie Peña, MD

Workshop

3:45 p.m. to 5:15 p.m. | Metro Toronto Convention Centre: 60

Hands-On Training To Assess The Significance of a Patent Ductus Arteriosus Using a Neonatal Echocardiography Simulator

Co-Leader: Shazia Bhombal, MD

Workshop

3:45 p.m. to 5:15 p.m. | Metro Toronto Convention Centre: 715 B

How To Not Be a Parasitic Researcher: Decolonizing Domestic and International Research Partnerships

Co-Leaders: Abebe Gobezayehu, MD | Amy Rule, MD, MPH

Workshop

3:45 p.m. to 5:15 p.m. | Metro Toronto Convention Centre: 716 A

Things I Wish I Knew: A Knowledge Café for Trainees

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

FRIDAY, MAY 3, 2024 CONTINUED

Hot Topic Symposia

3:45 p.m. to 5:15 p.m. | Metro Toronto Convention Centre: 701 B

Addressing Youth Firearm Suicide: Clinical, Policy and Research Approaches

4:25 p.m. to 4:40 p.m. Presentation | The Role of Health Professionals in Firearm Safe Storage Counseling

Speaker: Kiesha Fraser Doh, MD

APA SIG

3:45 p.m. to 5:15 p.m. | Metro Toronto Convention Center 714

Newborn - Congenital Syphilis: A New Epidemic?

SIG Chair: Salathiel Kendrick-Allwood, MD

SATURDAY, MAY 4, 2024

Oral Abstract

8 a.m. to 9:30 a.m. | Metro Toronto Convention Centre: 107

Emergency Medicine 1: Quality and Safety

Moderator: Bolanle Akinsola, MD

Workshop

8 a.m. to 9:30 a.m. | Metro Toronto Convention Centre: 601

Hands-On Training To Assess Cardiac Function, Left Ventricle Output and Hypovolemia Using Neonatal Echocardiography Simulator

Co-Leader: Shazia Bhombal, MD

Oral Abstract

8 a.m. to 9:30 a.m. | Metro Toronto Convention Centre: 605

Health Equity/Social Determinants of Health 1

Moderator: Salathiel Kendrick-Allwood, MD

Oral Abstract

8 a.m. to 9:30 a.m. | Metro Toronto Convention Centre: 801 B

Medical Education 2

8:30 a.m. to 8:45 a.m. Presentation | Factors Associated With Early Identification of Pediatric Fellows Needing Remediation

Speaker: Roshan George, MD

Hot Topic Symposia

8 a.m. to 9:30 a.m. | Metro Toronto Convention Centre: 203

The Science of Rehabilitation in High-Risk Infants

8:40 a.m. to 8:55 a.m. Presentation | Early Sensory Systems and Implications for Motor Rehabilitation Over the First Year of Life

Speaker: Nathalie Maitre, MD, PhD

Oral Abstract

8 a.m. to 9:30 a.m. | Metro Toronto Convention Centre: 606

Cardiology 1

8:15 a.m. to 8:30 a.m. Presentation | Neonatal Risk Factors for Pulmonary Vein Stenosis in Preterm Infants with Severe Bronchopulmonary Dysplasia: A Multicenter Case-Control Study of the Cardiology and Severe BPD Focus Groups of the CHNC

Speaker: Shilpa Vyas-Read, MD MS

Subspecialty Networking Breakout

10 a.m. to 10:50 a.m. | Metro Toronto Convention Centre: 713 B

Developmental and Behavioral Pediatrics and Neonatal Follow-up

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

PAS 2024 | Presentations

SATURDAY, MAY 4, 2024 CONTINUED

Hot Topic Symposia

11 a.m. to 12:30 p.m. | Metro Toronto Convention Centre: 107

Advances in Neonatal Transfusion: New Insights on WHEN and WHAT We Should Transfuse

11 a.m. to 11:15 a.m. Presentation | Why Studying Blood Donors is Important for Neonatal Transfusions

Chair: Ravi Patel, MD, MSc

APA SIG

11 a.m. to 12:30 p.m. | Metro Toronto Convention Centre: 602

Emergency Medicine and Health Care Value Combined - Infant Hypothermia: The Cost of Routine Temperature Checks

SIG Chair: Chris Rees, MD, MPH

Workshop

11 a.m. to 12:30 p.m. | Metro Toronto Convention Centre: 711

Analgesia and Sedation Research Agenda Workshop

Leader: Rebecca Burger, FAAP, FACEP | Co-Leader: Shobhit Jain, MD

Workshop

11 a.m. to 12:30 p.m. | Metro Toronto Convention Centre: 716 A

Striking Scholarly Gold: A Treasure Map for Trainees To Maximize Academic Productivity

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

Workshop

11 a.m. to 12:30 p.m. | Metro Toronto Convention Centre: 713 A

Incorporating Climate Change Into Medical Education

Co-Leader: Rebecca Philipsborn, MD, MPA

Oral Abstract

11 a.m. to 12:30 p.m. | Metro Toronto Convention Centre: 103

Global Neonatal and Children's Health 1

11:15 a.m. to 11:30 a.m. Presentation | Identifying Young Infants at Risk for Hospital Readmissions in Dares Salaam, Tanzania and Monrovia, Liberia: Derivation and Validation of a Risk Assessment Tool

Speaker: Chris Rees, MD, MPH

Clubs

12:30 p.m. to 2 p.m. | Metro Toronto Convention Centre: 201 BD

Necrotizing Enterocolitis (NEC) Focus Group

12:38 p.m. to 12:56 p.m. Presentation | Five New Studies in NEC: Research Advances in the Field

Speaker: Ravi Patel, MD, MSc

Hot Topic Symposia

2 p.m. to 3:30 p.m. | Metro Toronto Convention Centre: 107

Under Pressure To Choose the Right Pressor in the Neonate: Where is the Evidence?

Chair: Shazia Bhombal, MD

SATURDAY, MAY 4, 2024 CONTINUED

Workshop

2 p.m. to 3:30 p.m. | Metro Toronto Convention Centre: 716 B

Critical Race Theory in Medical Education: Applying Medical CRT Principles to Teaching Learners About Health Equity

Co-Leader: Salathiel Kendrick-Allwood, MD

Panel Discussion

2 p.m. to 3:30 p.m. | Metro Toronto Convention Centre: 701 B

International Perspectives on Low Value Care

2:05 p.m. to 2:20 p.m. Presentation | We Know the Evidence; What is Holding Us Back? The U.S. Perspective on Low Value Care in Pediatric Healthcare

Speaker: Shabnam Jain, MD, MPH

Oral Abstract

2 p.m. to 3:30 p.m. | Metro Toronto Convention Centre: 803 B

Public Health and Prevention 1

2:30 p.m. to 2:45 p.m. Presentation | Implementation of Emergency Department-Based Opt-Out HIV Screening Identifies Newly Diagnosed Adolescents Living With HIV

Speaker: Mark Griffiths, MD

Oral Abstract

2 p.m. to 3:30 p.m. | Metro Toronto Convention Centre: 501

Genomics/Epigenomics

2:30 p.m. to 2:45 p.m. Presentation | DNA Methylation as a Mediator of the Association Between NICU Morbidities and Prospective Bayley Scores at 24 Months of Age

Speaker: Kenyaita Hodge, MPH

APA SIG

2 p.m. to 3:30 p.m. | Metro Toronto Convention Centre: 604

Environmental Health, Climate Change, and Sustainability and PAS Climate Change Combined

2:45 p.m. to 2:55 p.m. Presentation | Sustainability via Antibiotic Stewardship in an Infectious Disease Program

Speaker: Lucie Fan, MD

SATURDAY, MAY 4, 2024 CONTINUED

Oral Abstract

2 p.m. to 3:30 p.m. | Metro Toronto Convention Centre: 202

Emergency Medicine 2

3 p.m. to 3:15 p.m. Presentation | Impact of Arginine Therapy on Mitochondrial Function, Oxidative Stress and Clinical Outcomes in Children With Sickle Cell Disease and Vasocclusive Pain: A Phase-2 Randomized Controlled Trial

Speaker: Claudia Morris, MD

Oral Abstract

2 p.m. to 3:30 p.m. | Metro Toronto Convention Centre: 717 B

Developmental and Behavioral Pediatrics 3: Parenting

3 p.m. to 3:15 p.m. Presentation | Parenting Style in the NICU is Stable, Measurable and Predictive of Two-Year Parenting Style

Speaker: Mary Lauren Neel, MD, MSCI

SUNDAY, MAY 5, 2024

Panel Discussion

8 a.m. to 9:30 a.m. | Metro Toronto Convention Centre: 105

Disability in Pediatrics: Changing Perception From Research Outcomes to Clinical Care Pipelines

8:50 a.m. to 9:05 a.m. Presentation | Supporting the Pediatric Trainee Pipeline With Disabilities: What We Know and What We Could Accomplish

Chair: Nathalie Maitre, MD, PhD | Speaker: Amy Rule, MD, MPH

Workshop

8 a.m. to 9:30 a.m. | Metro Toronto Convention Centre: 602

Introduction to Statistical Process Control: Using Run Charts To Drive Quality Improvement

Co-Leader: Michelle-Marie Peña, MD

Workshop

8 a.m. to 9:30 a.m. | Metro Toronto Convention Centre: 715 A

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

Co-Leader: Shazia Bhombal, MD

Oral Abstract

8 a.m. to 9:30 a.m. | Metro Toronto Convention Centre: 107

Neonatal Clinical Trials 1

Moderator: Brenda Poindexter, MD, MS

Subspecialty Networking Breakout

10 a.m. to 10:50 a.m. | Metro Toronto Convention Centre: 714

NEC

Facilitator: Ravi Patel, MD, MSc

Subspecialty Networking Breakout

10 a.m. to 10:50 a.m. | Metro Toronto Convention Centre: 713 B

Developmental and Behavioral Pediatrics and Neonatal Follow-up

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

Presidential Plenary

11 a.m. to 12:30 p.m. | Metro Toronto Convention Centre: 718 B

Best of SPR Featured Science

Chair: Brenda Poindexter, MD, MS

Workshop

11 a.m. to 12:30 a.m. | Metro Toronto Convention Centre: 709

Unlocking the Future of Medicine: AI-Enhanced Simulations Transforming Medical Education

Leader: Ruth Hwu, MD, FAAP, FACEP | Co-Leaders: Sherita Holmes, MD | Joseph Langham, MD
Zobiya Momin, MD, FAAP | Kimberly Norris, MD | Jeffery Okonye, MD | Deborah Young, MD

SUNDAY, MAY 5, 2024 CONTINUED

Oral Abstract

11 a.m. to 12:30 p.m. | Metro Toronto Convention Centre: 107

Neonatal Clinical Trials 2

Moderator: Ravi Patel, MD, MSc

Debate/Pro-Con Discussion

11 a.m. to 12:30 a.m. | Metro Toronto Convention Centre: 205

Hot Controversies in Pediatric Lung Infections: Debates That Could Change Your Practice

11:13 a.m. to 11:26 a.m. Presentation | Routine Bronchoalveolar Lavage in Profoundly Immunocompromised Children With Suspected Lung Infection – Con

Speaker: Pratik Patel, MD

Workshop

2 p.m. to 3:30 p.m. | Metro Toronto Convention Centre: 601

Accelerating Bench to Bedside Innovation: Introduction to Dissemination and Implementation Science

Co-Leader: Michelle-Marie Peña, MD

MONDAY, MAY 6, 2024

Oral Abstract

8 a.m. to 9:30 a.m. | Metro Toronto Convention Centre: 103

Neonatal GI Physiology and NEC

8 a.m. to 8:15 a.m. Presentation | Two-Year Outcomes of Extremely Preterm Infants With Surgical Necrotizing Enterocolitis: Changes Over Time

Speaker: Ravi Patel, MD, MSc

Workshop

8 a.m. to 9:30 a.m. | Metro Toronto Convention Centre: 713 A

Critical Debriefing To Improve Patient Care and Staff Wellness

Leader: Shobhit Jain, MD | Co-Leader: Rebecca Burger, FAAP, FACEP

Oral Abstract

8 a.m. to 9:30 a.m. | Metro Toronto Convention Centre: 701 B

Hypertension

Moderator: Roshan George, MD

APA SIG

8 a.m. to 9:30 a.m. | Metro Toronto Convention Centre: 709

Health Informatics and Serving the Underserved Combined SIG: Moving the Needle on Social Needs: From Screening to Data Management and Response

8:20 a.m. to 8:30 a.m. Presentation | Regulatory Constraints and Requirements for SDOH Screening

SIG Chair: Mark Mai, MD MHS

APA SIG

8 a.m. to 9:30 a.m. | Metro Toronto Convention Centre: 709

Urgent Care - You're Not Too Busy To Think About Promotion: Leveraging Your Current Scholarly Activities for Academic Advancement

8 a.m. to 9:30 a.m. Presentation | Connecting Passion to Promotion for the Busy Clinician

SIG Chair: Amy Pattishall, MD

Speaker: Brittany Murray, MD, Mphil

Panel Discussion

8 a.m. to 9:30 a.m. | Metro Toronto Convention Centre: 709

The Changing Face of Neonatal Clinical Trials

8:45 a.m. to 8:55 a.m. Presentation | The Value of Telemedicine Platforms to Ensure Robust, Longitudinal Assessments

Speaker: Nathalie Maitre, MD, PhD

SESSION I | FRIDAY, MAY 3 | 5:15 p.m. to 7:15 p.m.

Environmental Justice Index and Healthcare Utilization in Pediatric Patients With Asthma

Annabelle Rowland, MD

Reducing Unnecessary Interventions in Patients Diagnosed With Constipation

Chidiebere Ugwu, MD

Morbidity and Healthcare Seeking After Hospital Discharge Among Young Children in Dar es Salaam, Tanzania and Monrovia, Liberia

Chris Rees, MD, MPH

Assessing the Efficacy of a Novel Online Module Outlining Escalation of Respiratory Support for Medical Students on Pediatrics Clerkship Rotations

Vidya Menon, MD

Higher Parental Regulation/Structure is Associated With Greater Infant Sensitivity and Attraction to Parent in Infants With Cerebral Palsy/High Risk for Cerebral Palsy

Mary Lauren Neel, MD, MSCI

Neonatal Correlates of Autism Diagnosis in a High-Risk Infant Follow-Up Program Partnered With an Autism Center of Excellence

Alyssa Blumenfeld, MD, MS

Development of a Co-Designed Nationally Accredited Advanced Neonatal Nursing Curriculum in Tanzania

Shubha Setty, MD, MPH

SESSION II | SATURDAY, MAY 4 | 3:30 p.m. to 6 p.m.

Pediatric Helmet Use and Fit on an Urban Bike Path: The Impact of Educational Intervention on Helmet Fit

Jordan Couceyro

Association of the Timing and Placement of Ventriculoperitoneal Shunt and Gastrostomy Tubes With Meningitis in Infants with Hydrocephalus: A Pilot Study

Kristin Limpose, MD PhD

Aronson Score Performance Among Febrile Infants 29-60 Days of Age

Kelsey Allen, MD

Disparities In Pediatric Emergency Department Revisits Within Seven Days By Disease Process

Sagar Mehta, MD

Quality Initiative for Antimicrobial Stewardship in Pediatric Community Acquired Pneumonia on the Hospitalist Service

Marissa Bass, MD

SESSION II | SATURDAY, MAY 4 | 3:30 p.m. to 6 p.m. CONTINUED

Interventions and Short-term Outcomes for Preterm Infants With Post-Hemorrhagic Hydrocephalus: A Multi-Center Cohort Study

Elizabeth Sewell, MD, MPH

Optimizing Nutrition With Enteral Feeding Practices in Preterm Neonates in Low and Middle-Income Countries: A Systematic Review

Rekha Gupta, MD

SESSION III | SUNDAY, MAY 5 | 3:30 p.m. to 6 p.m.

Teaching Tools (Aqua) for Residents: An Innovative Approach to Medical Student Education

Alexandra Himes, DO

Use of In-Situ Simulation To Improve Team Performance and Utilization of a Rapid Sequence Intubation Checklist

Kathleen Waters, MD, FAAP

Improving Pediatric Resident Performance and Comfort in Pediatric Trauma Resuscitations by Developing and Incorporating a Standardized Simulation-Based Pediatric Trauma Orientation and Curriculum

Zobiya Momin, MD

Sensitivity, Specificity and Predictive Values for Pulmonary Hypertension in Infants With Bronchopulmonary Dysplasia

Megha Kalia, MD

Periprocedural Clinical, Radiographic and Echocardiographic Characteristics of Patients Undergoing Transcatheter Occlusion of PDAs in the Neonatal Population

Mollie Westrick, BA

Quality Improvement Initiatives Decrease the Age at Autism Spectrum Disorder Diagnosis and Early Intervention in a High Risk Infant Follow Up Program

Alyssa Blumenfeld, MD, MS

Human Milk Fortification and Intestinal Inflammation in Very Preterm Infants

Anand Salem, DO

Association between Diet and Fecal Calprotectin Levels in Very Preterm Infants

Jocelyn Ou, MD

Growth Failure Among Infants With Gastroschisis: A Multicenter Study

Megan Stangeby, DO

Factors Impacting Timely Early Engagement in High-Risk Infant Follow-Up

Christine Sugimoto, MD

SESSION IV | MONDAY, MAY 6 | 9:30 a.m. to 11:30 a.m.

Safety Baby Showers: An Approach To Improve Parental and Pediatric Resident Practice of Infant Injury Prevention

Heather Hirsch, MD, MPH

Using Quality Improvement Methodology To Improve Resident Satisfaction With Morning Report

Alexandra Himes, DO

Evaluation of Perceptions of Early Peanut Introduction Among Parents

Kaley Desher, MD