Guide to Nemours Children’s Health Presentations
at the Pediatric Academic Societies Meeting

April 27 – May 1, 2023 | Washington, D.C. | #PAS2023

Missed a Session? Watch On-Demand
Dear World,

The hospital shouldn’t be the only place where children’s health is a priority.
Making Every Child’s World a Place to Thrive

Nemours Children’s Health is one of the largest and most geographically dispersed health systems in the U.S. with a sole focus on the well-being of children. Our system of pediatric care, research, education and advocacy is redefining the meaning of “health” and the role that a health system plays in supporting families and communities well beyond medicine.
Today, we employ 8,600 associates across four states, representing:

- Pediatric physician specialists & nurses
- Biomedical researchers
- Residents, fellows & other trainees
- Community health workers
- Educators
- Data scientists
- Programmers & developers
- Policy analysts
- Advocates
Beyond Limits

With two free-standing children’s hospitals, a network of nearly 80 primary and specialty care practices, and telehealth across four states, we care for more than half a million children annually. Our Nemours KidsHealth.org hosts 200 million visitors each year serving as the world’s most-visited website for trusted information on the health of children and teens.
Our National Office of Policy & Prevention in Washington, D.C., advocates on behalf of children across the U.S. to address the social determinants of health that impact millions of other children who may never enter our doors.
FRIDAY, APRIL 28
3:45–5:15 p.m.
Session: Neonatal Infectious Diseases/Immunology 1

4:30–4:45 p.m.
Alteration in DNA Methylation and Gene Expression in Human Umbilical Cord Blood Cells After Covid-19 Infection During Pregnancy
Presenting Author: Gayen Nee’ Betal, PhD
Co-Authors: Kolawole Solarin, MD and Rochelle S. Gomes, MD

SATURDAY, APRIL 29
8–9:30 a.m.
Session: Pulmonology

8:15–8:30 a.m.
A Community-Guided Approach to the Diagnosis and Treatment of Bronchiolitis: A Needs Assessment and Illness Perception Study
Presenting Author: Andrea Rivera-Sepulveda, MD, MSc

2–3:30 p.m.
Session: Emergency Medicine 1

2–2:15 p.m.
Optimizing Anaphylaxis Observation Periods Based on Reaction Severity — A 30-Center Retrospective Cohort Study
Co-Author: Christopher Russo, MD

3:15 – 3:30 p.m.
Clinical Factors Associated With Acute Hematogenous Osteomyelitis in Children
Presenting to the Pediatric Emergency Department
Co-Author: Elysha Pifko, MD

2–3:30 p.m.
Session: Hematology/Oncology
Moderator: Andrew Walter, MS, MD
Oral Abstracts, Workshops & Symposia

SUNDAY, APRIL 30
8–9:30 a.m.
Session: State of the Art: Primary HTN in Pediatrics and the New AHA Statement

8:05–8:25 a.m.
Understanding the Pathophysiology of Pediatric Primary Hypertension
Presenting Author: Carissa M. Baker-Smith, MD, MPH, MS, FAAP, FAHA, FACC

8–9:30 a.m.
Session: Health Equity/Social Determinants of Health 1

8:15–8:30 a.m.
Race, Ethnicity, Language and the Emergency Management of Low-Risk Febrile Infants
Co-Author: Amy D. Thompson, MD

8:30–8:45 a.m.
Racial and Ethnic Disparities in the Use of Anxiolysis or Sedation for Facial Laceration Repair in the Pediatric Emergency Department
Presenting Author: David J. Bergamo, MD
Co-Authors: Andrew Depiero, MD; Jobayer Hossain, PhD; and Amy D. Thompson, MD

8–9:30 a.m.
Session: Emergency Medicine 2

8:45–9 a.m.
Clinical Predictors of Severe Sepsis in Children With Intestinal Failure Who Present to the Emergency Department With a Fever
Co-Author: Matthew Cully, DO

11 a.m. to 12:30 p.m.
Teach Like Socrates: The Right Way to Use Questions When Teaching
Presenting Author: Shiva Kalidindi, MD, MS
Co-Author: Kanekal Gautham, MD, DM, MS

11 a.m. to 12:30 p.m.
Session: Neonatology General 5: NOWS and Thens

11:45 a.m. to Noon
Comparison of Buprenorphine and Morphine for the Treatment of Neonatal Opioid Withdrawal Syndrome (NOWS)
Co-Author: Kolawole Solarin, MD
MONDAY, MAY 1
8–9:30 a.m.
The Roadmap Project: Improving the Emotional Health of Children and Adolescents With Chronic Conditions and Their Families
Co-Author: Erica Sood, PhD

8:35-8:50 a.m.
Trustworthiness and Misinformation: How Social Media Impacts Clinical Practice
Presenting Author: Kanekal Gautham, MD, DM, MS

8–9:30 a.m.
Session: Medical Education 3

8:45–9 a.m.
A Mixed Methods Curriculum to Improve Pediatric Residents’ Communications Skills Delivering Serious News
Presenting Author: Paige Kube, DO
Co-Authors: Maria Carmen-Diaz, MD, FAAP, FACEP and Carly Levy, MD

8–9:30 a.m.
Session: Neonatal Quality Improvement 2: Collaboratives and Level IV NICUs

8:45–9 a.m.
Improved Screening and Management of Osteopenia of Prematurity Reduces Fractures in a Level IV NICU
Co-Author: Anoosha Kasanagottu, DO

9:30–11 a.m.
Session: Hypertension

10:30–10:45 a.m.
Derivation of Pediatric Blood Pressure References From Electronic Health Records
Co-Author: Caroline Gluck, MD, MTR

Share Your @Nemours Experience #PAS2023
Oral Abstracts, Workshops & Symposia

MONDAY, MAY 1
11 a.m. to 12:30 p.m.
Session: Health Equity/Social Determinants of Health 5

11-11:15 a.m.
Racial Disparities Among Predicted Bronchopulmonary Dysplasia Risk Outcomes in Premature Infants Born Less Than 30 Weeks Gestation
Presenting Author: Priyanka Patel, DO

1-2:30 p.m.
Construct the Ultimate Coaching Program: From Blueprints to Build
Co-Author: Corrine L. Bria, MD, MEd

1-2:30 p.m.
Immunizations/Delivery
A Primary Care Network-Wide Quality Improvement Initiative to Increase HPV Vaccine Uptake With Initiation Prior to 11 Years Old
Presenting Author: Jonathan M. Miller, MD
Co-Author: Erica L. Boyle, BA

1-2:30 p.m.
Immunizations/Delivery
A Pediatric ED-Based Influenza Vaccination Program Delivers Equitable Health Care and Improves Patient Outcomes
Co-Author: David Brousseau, MD, MS

1-2:30 p.m.
When the Thumbs-Up Emoji Is Not Enough: Etiquette for Effective Written Feedback
Co-Author: Kathleen Rooney-Otero, MD, MPH
Poster Presentations

FRIDAY, APRIL 28  |  5:15–7:15 p.m.

Hospital Medicine 2
Car Seat Tolerance Screening Implementation and Outcomes: Findings From a Multisite Study Through the Academic Pediatric Associations BORN Network
Poster #8
Co-Author: Neera Goyal, MD, MSc

Breastfeeding/Human Milk 2: Addressing Inequities in Lactation
Marijuana Use and Breastfeeding: Knowledge, Attitudes, and Practices Among New Mothers
Poster #9
Presenting Author: Neera Goyal, MD, MSc

Telemedicine/EHR/Medical Informatics 1
A Description of Pediatric Residents’ Ordering Practices
Poster #12
Presenting Author: Kevin Smith, MD, MS
Co-Author: Kimberly McMahon, MD

Obesity 1
A Rural Pediatric Obesity Pilot Trial Across the ISPCTN: A Focus on Health Outcomes and the Impact of Contact Hours
Poster #15
Co-Authors: Danika S. Perry, PsyD and Thao-Ly Phan-Vo, MD, MPH

Emergency Medicine 1
Biomarkers for Pediatric Bacterial Musculoskeletal Infections in Lyme Disease Endemic Regions
Poster #19
Co-Author: Amy D. Thompson, MD

Emergency Medicine 4
Changes in Bronchiolitis Characteristics During the COVID-19 Pandemic: A Description of Pediatric Emergency Department Visits in a Community Hospital, 2019-2023
Poster #20
Co-Authors: Kenneth A. Alexander, MD, PhD; Kathryn Blake, PharmD, BCPS, FCCP; Sameep Gawaskar; Todd F. Glass, MD; Timothy M. Maul, CCP, FPP, PhD; Andrea Rivera-Sepulveda, MD, MSc; and John Sarandria, MD

Children With Chronic Conditions 1
Determining Clinical Characteristics of Pediatric Patients With Primary Hyperoxaluria Type 1 in PEDSnet
Poster #26
Co-Author: Caroline Gluck, MD, MTR

Neonatal Neurology 2: Clinical 2
Earlier Initiation of Therapeutic Hypothermia at Less Than 3 Hours of Life Does Not Improve the Rate of Brain Injury on MRI or Death in Newborn Infants With Moderate to Severe HIE
Poster #30
Co-Authors: Oluwatobi Adegboyega, MD; Kevin Dysart, MD; Dorothy L. McElwee, CRNP; and Kolawole Solarin, MD
Poster Presentations

FRIDAY, APRIL 28 I 5:15–7:15 p.m.

Emergency Medicine 1
Electrocardiogram Abnormalities in Children With Lyme Arthritis
Poster #31
Presenting Author: Deborah Hammett, DO
Co-Authors: Erica Del Grippo, DO; Andrew Depiero, MD; Claire E. Loiselle; Danilo Tadeo, MD; and Amy D. Thompson, MD

Emergency Medicine 3
Emergency Department Management and Disposition of Low-Risk Febrile Infants With and Without a Documented Primary Care Physician
Poster #32
Co-Author: Amy D. Thompson, MD

Neonatal Neurology 2: Clinical 2
Female Infants With Moderate to Severe Hypoxic Ischemic Encephalopathy Have Higher Rates of Brain Injury on MRI
Poster #35
Co-Authors: Oluwatobi Adegboyega, MD; Dororthy L. McElwee, CRNP; and Kolawole Solarin, MD

Adolescent Medicine 1
If Everyone Knows About LARC, Where Should We Focus Our Efforts?
Poster #37
Presenting Author: Lonna P. Gordon, MD, PharmD

Hospital Medicine 2
Implementation of Eat, Sleep, Console Protocol in a Rural Community Hospital: A Success Story
Poster #39
Co-Authors: Charrell M. Bird, MD and Ashish O. Gupta, MD

Child Abuse & Neglect 1
Missed Opportunities to Identify Red Flags Suggestive of Child Physical Abuse in the Pediatric Emergency Department
Poster #46
Co-Author: Andrea Rivera-Sepulveda, MD, MSc

Neonatal-Perinatal Health Care Delivery 2: Epi/HSR Equity
Racial Disparities in Foster Care Placement of Opioid-Exposed Infants
Poster #53
Presenting Author: Christina Lewis, MD
Co-Author: Maria Mattioli, APN

Neonatal General 3: Ethics, Parents Take the Lead
The Efficacy on Pacifier-Activated Lullaby on Oral Feeding Performance in Preterm Infants — A Randomized Controlled Trial
Poster #54
Presenting Author: Rowana Mohamed, MD
Co-Authors: Caroline Chua, MD; Nicole Kirby; Timothy M. Maul, CCP, FFP, PhD; and Sreekanth Viswanathan, MD
Poster Presentations

SATURDAY, APRIL 29 | 3:30–6 p.m.

Neonatal General 6: Neurology
Does Whole Body Cooling Lead to Better Outcomes Compared to Selective Head Cooling in Infants With Hypoxic Ischemic Encephalopathy?
Poster #2
Presenting Author: Oluwatobi Adegboyega, MD
Co-Authors: Eliza Desantis, MD, FAAP; Dororthy L. McElwee, CRNP; and Kolawole Solarin, MD

Immunizations/Delivery 1
A Qualitative Exploration of COVID-19 Vaccine Hesitancy Among Parents
Poster #13
Co-Author: Thao-Ly Phan-Vo, MD, MPH

Breastfeeding/Human Milk 3: Human Milk Bioactives and Composition
Alteration in ZO-1 and TNFa Expression in IEC18 Cells in Response to Milk or IL-12
Poster #16
Presenting Author: Jennifer L. Liedel, MD
Co-Authors: Peter Phelan, Katrina Russell and Rajarajeshwari Venkataraman

Neonatal Hematology & Bilirubin Metabolism 2: Hematology
Cord Blood Reticulocyte Hemoglobin Content as a Marker of Iron Deficiency at Birth
Poster #24
Presenting Author: Geetika Kennady, MD

Neonatal-Perinatal Health Care Delivery 1: Antenatal Consultation, Substance Use, Potpourri
Determinants of Time to Discharge in Patients With Type C, Esophageal Atresia/Tracheoesophageal Fistual (EA/TEF)
Poster #25
Co-Author: Loren Berman, MD

Developmental and Behavioral Pediatrics 3
Disparities in Vision Screening in Primary Care for Young Children With Autism Spectrum Disorder and the Effects of the COVID-19 Pandemic
Poster #28
Presenting Author: Kimberly Hoover, MD
Co-Authors: Matthew D. Di Guglielmo, MD, PhD and Brittany Perry, DO

Emergency Medicine 5
Improving Emergency Preparedness in Pediatric Primary Care Offices: A Simulation-Based Multicenter Study
Poster #42
Co-Author: Maria Carmen G. Diaz, MD, FAAP, FACEP

Hematology/Oncology 1
Intravenous Iron Infusions in Pediatric Patients: A Single Institution Retrospective Review of Efficacy and Safety of IV Iron Infusions
Poster #44
Co-Author: Jennifer Nestor, MD
Dear World,

Healthy childhood development takes more than the best medical care.
Dear World,

You hold the key to making children healthier. Well beyond medicine.

Poster Presentations

**SUNDAY, APRIL 30 | 3:30–6 p.m.**

**Neonatal Quality Improvement 3**
A Strategy to Increase the Use of Premedication in Neonatal Intubations
Poster #1
Presenting Author: Oluwatobi Adegboyega, MD

**Medical Education 11: Fellow 2**
Medically Complex Primer: Improving Intern Comfort When Caring for Children With Medical Complexity
Poster #4
Presenting Author: Valerie Schwartz, DO

**Nephrology 6: Glomerular/Clinical and Basic Science**
Patient-Reported Outcomes in Glomerular Disease: Focus on the Musculoskeletal System (PROGRESS)
Poster #6
Co-Author: Caroline Gluck, MD, MTR

**Emergency Medicine 10**
Taking the Bite Out of Dog Bite Laceration Repairs: An Initiative To Reduce Cost While Maintaining Quality of Patient Care
Poster #7
Presenting Author: Kaynan Doctor, MD

**Neonatal Quality Improvement 3**
Are There Sex-Related Differences in the Severity of Neonatal Opioid Withdrawal Syndrome
Poster #17
Co-Authors: Saminathan Anbalagan, MD and Kolawole Solarin, MD

**Children With Chronic Conditions 3**
Comparison of Two Different Models of Inpatient Care for Medically Complex Children After Spinal Fusion Surgery
Poster #22
Presenting Author: Zachary Semenetz, MD
Co-Authors: Kamyar Arasteh, PhD; Amanda M. Lewis, MPH; and Tullis Liu, PhD
Poster Presentations

SUNDAY, APRIL 30  |  3:30–6 p.m.

**Neonatal Respiratory Assessment/Support/Ventilation 3: Physiology 2 and Clinical Outcomes**
Comparison of Work of Breathing Indices and Oxygen Saturation at Discharge in Preterm and Term Infants
Poster #23
Co-Authors: Thomas Shaffer, MSE, PhD and Tariq Rahman, PhD

**Emergency Medicine 12**
Diagnostic Yield of Abdominal Radiographs in the Pediatric Emergency Department
Poster #27
Presenting Author: Andrea Rivera-Sepulveda, MD, MSc

**Neonatal General 9: NOWS and Other Exposures**
Does In-Utero Exposure to Selective Serotonin Receptor Inhibitors (SSRI) Affect Severity of Neonatal Opioid Withdrawal Syndrome (NOWS)
Poster #29
Co-Author: Kolawole Solarin, MD

**Asthma 1**
Improved Quality of Asthma Care by Implementing Asthma Pathways, Administering Albuterol via Metered Dose Inhaler and Using Dexamethasone as Preferred Steroids
Poster #41
Co-Author: Syed A. Ali, MD

**Neonatal Pulmonology: Lung Development, Control of Breathing**
Novel Peripheral Chemoreceptor Agonist Stimulates Initiation and Maintenance of Breathing in Preterm Lambs
Poster #49
Co-Author: Thomas Shaffer, MSE, PhD

Dear World,
X-rays and scans don’t always show the real issues children need fixed.
Poster Presentations

MONDAY, MAY 1 | 9:30–11:30 a.m.

Pulmonology
Implementing High-Tech Homecare in the Amish Community: Experience With Chronic Respiratory Failure in Infants With Ellis-Van Creveld Syndrome (EVC)
Poster #3
Presenting Author: Aaron Chidekel, MD

General Pediatrics 6
MIS-C Posing as Common Gastrointestinal Disorders in a Pediatric Patient Leading to Delayed Diagnosis and Treatment
Poster #5
Presenting Author: Nicholas Manini, MD

Neonatal General 10: Outcomes
Marijuana Use During Pregnancy: Associated Factors and Neonatal Outcomes
Poster #10
Co-Author: Neera Goyal, MD

General Pediatrics 7
Physician Attitudes on Parental Marijuana Use and Parental Skills in the Primary Care Setting
Poster #11
Co-Authors: Neera Goyal, MD and Jessica Rohde, MD

Neonatal Quality Improvement 5
A Quality Improvement Project to Improve Iron Status at Discharge in Very Low Birth Weight Infants
Poster #14
Presenting Author: Geetika Kennady, MD
Co-Authors: Saminathan Anbalagan, MD and Maria Mattioli, APN

Neonatal Quality Improvement 6
Are Umbilical Cord Blood Cultures Useful in the Diagnosis Management of Infants at Risk for Early Onset Sepsis?
Poster #18
Co-Authors: Maria Mattioli, APN; Dorothy L. McElwee, CRNP; Alexandra R. Webb, APRN; and Moira F. Winstaley, APRN

Emergency Medicine 13
Comparing Pediatric Blunt Head Trauma Prediction Tools and Factors Associated With Deviation of Their Use
Poster #21
Presenting Author: Andrea Rivera-Sepulveda, MD, MSc

Global Neonatal & Children’s Health 3
Establishing Partnerships to Educate Pediatric Critical Care Providers in Resource-Limited Settings
Poster #33
Co-Author: Odiraa Nwankwor, MD
**Poster Presentations**

**MONDAY, MAY 1 | 9:30–11:30 a.m.**

**Pulmonology**
Evolution of Sleep Disordered Breathing in Infants With Achondroplasia  
Poster #34  
Co-Authors: Michael Bober, MD, PhD and Mary Ellen Little, BSN, RN

**Emergency Medicine 14**
Identification of Children With Anaphylaxis Who May Not Require ED Care: A 30-Center Retrospective Cohort Study  
Poster #36  
Co-Authors: David Brousseau, MD, MS and Christopher J. Russo, MD

**Hospital Medicine 6**
Impact of Clinical Monitoring on Daytime Sleepiness in a Cohort of Hospitalized Children  
Poster #38  
Presenting Author: Abigail R. Strang, MD  
Co-Authors: Aaron Chidekel, MD; Daniela A. Corao-Uribe, MD; Seema Rani, MD; David Rappaport, MD; and Eileen Shieh, MD

**Pulmonology**
Implementing High-Tech Homecare in the Amish Community: Experience With Chronic Respiratory Failure in Infants With Ellis-Van Creveld Syndrome (EVC)  
Poster #40  
Presenting Author: Aaron Chidekel, MD  
Co-Authors: Devyani Chowdhury, MD, MHA; Melissa Olsakowski, MD; and Laura E. Poskitt, DO

**Neonatal Cardiac Physiology/Pathophysiology/Pulmonary Hypertension 3**
Incidence and Risk Factors for Tube-Feeding at Discharge in Infants Following Congenital Heart Disease Surgery — A Single Center Cohort Study  
Poster #43  
Presenting Author: Sreekanth Viswanathan, MD  
Co-Author: Bahram Kakavand, MD

**Emergency Medicine 15**
Nationwide Seasonal Variation of Pediatric Dog Bites: A Decade’s Look at the National Electronic Injury Surveillance System  
Poster #47  
Co-Authors: Ryan Brumbach; Edward J. Caterson, MD; Keri Collins-Mooney; and Kaynan Doctor, MD

**Pulmonology**
Psychological Factors Contributing to Vocal Cord Dysfunction in Pediatric Population Pre-Pandemic and During Pandemic  
Poster #52  
Co-Author: Aledie A. Navas Nazario, MD

**Cardiology 3**
The Paucity of High-Level Evidence for Therapy in Pediatric Cardiology  
Poster #55  
Co-Author: Kanekal Gautham, MD, DM, MS