

2024

# INTERNATIONAL NEONATAL NEPHROLOGY SYMPOSIUM

September 11-15, 2024 | Birmingham, Alabama | CHILDRENSAL.ORG/INNS



## FULL SYMPOSIUM SCHEDULE

### - PRE COURSE EVENTS -

#### WEDNESDAY, SEPT. 11, 2024

- 8:00 AM - 12:00 PM **NICKS - ALL (AT UAB HILTON)**
- 12:00 PM - 1:00 PM LUNCH
- 1:00 PM - 5:00 PM **NICKS - ALL (AT UAB HILTON)**
- 5:00 PM - 6:00 PM BREAK
- 6:00 PM - 9:00 PM **EVENING PROGRAM - DINNER FOR NICKS AND RINK**

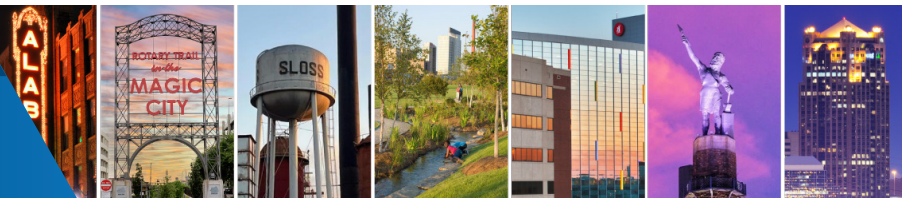
#### THURSDAY, SEPT. 12, 2024

- 7:00 AM - 8:00 AM NICKS BREAKFAST AT CHILDREN'S OF ALABAMA
- 8:00 AM - 12:00 PM **RINK (AT UAB HILTON)**  
**NICKS GROUP A (AT CHILDREN'S OF ALABAMA)**
- 12:00 PM - 1:00 PM LUNCH
- 1:00 PM - 3:30 PM **RINK (AT UAB HILTON)**
- 1:00 PM - 4:30 PM **NICKS GROUP B (AT CHILDREN'S OF ALABAMA)**
- 4:30 PM - 5:30 PM BREAK

#### THURSDAY, SEPT. 12, 2024

- 5:30 PM - 5:45 PM **OPENING REMARKS (HAMILTON 1, UAB HILTON)**  
**WELCOME TO INNS**  
David Askenazi, MD, MSPH  
**WELCOME TO BIRMINGHAM**  
Anupam Agarwal, MD, Dean, UAB Heersink School of Medicine
- 5:45 PM - 6:30 PM **KEYNOTE ADDRESS**  
**TEACHABLE MOMENTS: HOW STUDIES IN CRITICAL CARE NEPHROLOGY INFORM THE NEONATAL NEPHROLOGY FIELD**  
Stuart Goldstein, MD, FAAP, FNKF
- 6:30 PM - 7:45 PM **WELCOME RECEPTION, POSTERS AND EXHIBITS**
- 7:45 PM - 9:45 PM **FELLOW AND NURSE PRACTITIONER NETWORKING EVENTS**  
**ATTENDEE DINNER ON YOUR OWN**

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Children's  
of Alabama

**UAB** HEERSINK  
SCHOOL OF MEDICINE  
The University of Alabama at Birmingham



American Society of Nephrology



Neonatal  
KIDNEY  
Collaborative



American Society of  
Pediatric Nephrology

## FRIDAY, SEPT. 13, 2024

7:00 AM - 8:00 AM

BREAKFAST

7:00 AM - 8:00 AM

**NKC: RESEARCH COMMITTEE UPDATES AND OPPORTUNITES**

8:00 AM - 8:20 AM

**INTRO DAY 1**

Tom Shufflebarger, President and CEO of Children's of Alabama

**FAMILY PERSPECTIVE 1: Noah and Marty McGukin**

8:20 AM - 10:00 AM

**PLENARY 1: PRACTICAL ASPECTS OF NEONATAL KIDNEY CARE PART 1 - THE SCIENCE AND THE ART**

Moderators: David Selewski, MD and Kat Gist, DO

**WHAT IS NEONATAL AKI AND WHAT DOES IT MEAN FOR THE BABIES AND PROVIDERS?**

Jennifer Jetton, MD

**WHAT CAUSES ACUTE KIDNEY INJURY IN NEONATES?**

Shina Menon, MD

**NEPHROTOXIC MEDICATIONS: IMPLICATIONS, SCREENING AND PREVENTION IN NEONATES**

Christine Stoops, DO, MPH

**A CUP OF COFFEE A DAY, KEEPS THE NEPHROLOGIST AWAY: METHYLXANTHINES FOR NEONATAL AKI**

Matthew Harer, MD

**Q&A**

10:00 AM - 10:20 AM

Break

10:20 AM - 12:00 PM

**PLENARY 2: PRACTICAL ASPECTS OF NEONATAL KIDNEY CARE PART 2 - THE SCIENCE AND THE ART**

Moderators: Meredith Schuh, MD and Cara Slagle, MD

**TERMINOLOGY, HISTORY AND CONSEQUENCES OF FLUID IMBALANCE IN NEONATES AND INFANTS**

David Selewski, MD

**GOLDILOCKS IN THE GOLDEN WEEK: NOT TOO MUCH AND NOT TOO LITTLE FLUIDS**

Colm P. Travers, MD

**FLUIDS AND PRESSORS FOR ORGAN PERFUSION DURING CRITICAL ILLNESS IN NEONATES: WHAT WOULD THE KIDNEYS SAY?**

Namasivayam Ambalavanan, MD

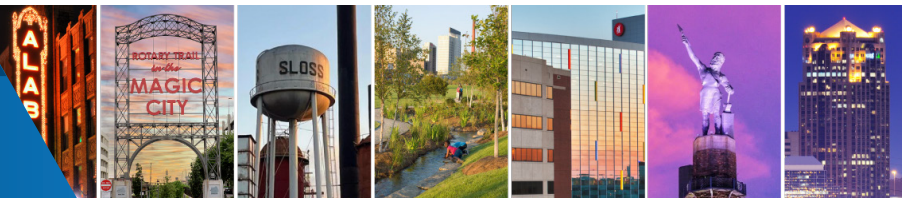
**PREVENTING AND TREATING FLUID IMBALANCE DURING CRITICAL ILLNESS**

David Askenazi, MD

12:00 PM - 1:15 PM

**LUNCH AND EXHIBITOR WALK**

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## FRIDAY, SEPT. 13, 2024 CONTINUED

1:15 PM - 3:15 PM

**FAMILY PERSPECTIVE 2: Laura and Bryan Loeble**

### **PLENARY 3: NEONATAL KIDNEY DISEASE MEASURES**

Moderators: Matko Marlais, MD and Christine Stoops, DO

#### **RELIEVING THE PRESSURE...MEASURING, MONITORING, AND TREATING HTN IN THE NICU**

Jennifer Jetton, MD

#### **WHY NUMBERS SPEAK LOUDER THAN WORDS: HOW TO INTERPRET KIDNEY OXYGENATION AND BIOMARKERS IN TIMES OF STRESS AND INJURY**

Matthew Harer, MD

#### **WHICH NICU GRADUATES NEED KIDNEY EVALUATIONS DURING CHILDHOOD?**

Keia Sanderson, MD, MSCR

#### **KIDNEY HEALTH ASSESSMENTS AFTER NICU IN 2024? IN 2034?**

Michelle Starr, MD

#### **ORAL ABSTRACT 1**

#### **BEST ABSTRACT 2024: WINDOWS OF SUSCEPTIBILITY TO NEONATAL ACUTE KIDNEY INJURY AND NEPHRON LOSS**

Shalini Indugula, MD

3:15 PM - 3:30 PM

Break

3:30 PM - 4:30 PM

### **DEBATE 1: WE NEED A NEW NEONATAL AKI DEFINITION**

Moderator: Matthew Harer, MD

#### **NEW AKI DEFINITION - PRO**

David Selewski, MD, MS

#### **NEW AKI DEFINITION - CON**

Stuart Goldstein, MD, FAAP, FNKF

#### **GROUP DISCUSSION WORKSHOP: CARING FOR BABIES WITH AKI: WHAT DO YOU THINK?**

4:30 PM - 6:00 PM

### **NETWORKING EVENING RECEPTION, POSTERS AND EXHIBITS**

6:00 PM - 6:30 PM

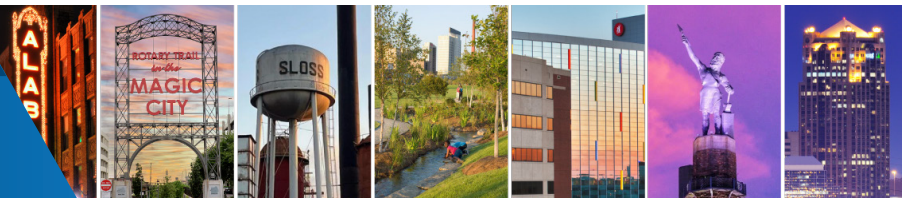
### **INNS FACULTY DINNER TRANSPORT**

6:30 PM - 9:30 PM

### **INNS FACULTY DINNER, GROUP PHOTO AT 6:30**

**ATTENDEE DINNER ON YOUR OWN**

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## SATURDAY, SEPT. 14, 2024

7:00 AM - 8:00 AM

BREAKFAST

7:00 AM - 8:00 AM

**NKC: EDUCATION COMMITTEE UPDATES AND OPPORTUNITIES**

8:00 AM - 8:15 AM

**INTRO DAY 2**

Mitchell Cohen, MD, Physician-in-Chief, Children's of Alabama

8:15 AM - 9:55 AM

**FAMILY PERSPECTIVE 3: Lasheka Pulliam**

**PLENARY 4: BASIC SCIENCE FROM CRIB TO BENCH AND BACK TO THE CRIB**

Moderators: Keia Sanderson, MD, MSCR and Colm P. Travers, MD

**NUTRITIONAL MODULATION OF NEPHROGENESIS**

Jennifer Charlton, MD

**NON-NUTRITIONAL MODULATORS OF NEPHROGENESIS**

Meredith Schuh, MD

**FOUNDATIONAL STUDIES OF AKI IN PREMATURE ANIMAL MODELS**

Jennifer Charlton, MD

**OMICS FOR KIDNEY DISEASE: WHAT ARE THEY, HOW DO WE MAKE SENSE OUT THEM**

Namasivayam Ambalavanan, MD

9:55 AM - 10:10 AM

Break

10:10 AM - 11:50 AM

**PLENARY 5: CARE OF THE FETUS/BABY WITH SEVERE CONGENITAL KIDNEY DISEASE**

Moderators: Enrico Vidal, MD and Ronnie Guillet, MD

**GENETICS OF ABNORMAL KIDNEY DEVELOPMENT IN A NUT-SHELL**

Kim Reidy, MD

**INTRA-UTERINE INTERVENTIONS: WHAT HAVE WE LEARNED FROM THE RAFT TRIALS, AND WHERE DO WE GO FROM HERE?**

Cara Slagle, MD

**MANAGEMENT OF PULMONARY HYPOPLASIA/HYPERTENSION IN THE SETTING OF SEVERE CAKUT**

Colm P. Travers, MD

**PRENATAL COUNSELING FOR SEVERE CONGENITAL KIDNEY DISEASE: IS THERE A RIGHT WAY?**

Matko Marlais, MD, FRCPC, FHEA

**Q&A**

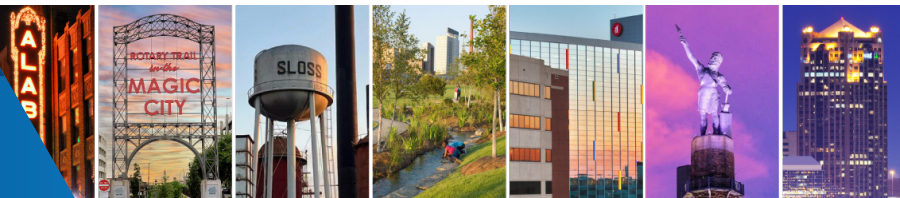
11:50 AM - 12:00 PM

**ORAL ABSTRACT 2**

**PERINATAL FACTORS ASSOCIATED WITH NEONATAL TOTAL KIDNEY VOLUME NORMALIZED TO BODY SURFACE**

Marissa Defreitas, MD

# 2024 INTERNATIONAL NEONATAL NEPHROLOGY SYMPOSIUM



## SATURDAY, SEPT. 14, 2024 CONTINUED

12:00 PM - 1:15 PM

**LUNCH AND EXHIBITOR WALK**

1:15 PM - 3:05 PM

**FAMILY PERSPECTIVE 4: Ty, Alexis and Braeson Morgan**

**PLENARY 6: KIDNEY SUPPORT THERAPY IN NEONATES**

Moderators: Kim Reidy, MD and Kat Gist, MD

**RRT FUNDAMENTALS: WHAT BUTTONS DO I PUSH ON THE WASHER AND DRYER?**

Kara Short, MSN, CRNP

**PAST AND PRESENT OF NEONATAL RRT**

Enrico Vidal, MD, PhD

**PROPHYLACTIC PD IN THE CICU? WHO AND HOW?**

Tennille Webb, MD

**EXTRA-CORPOREAL THERAPY IN THE NICU OF TOMORROW**

Stuart Goldstein, MD, FAAP, FNKF

3:05 PM - 3:15 PM

**INTRO LIFETIME ACHIEVEMENT AWARD**

Jennifer Charlton, MD

**LIFETIME ACHIEVEMENT AWARD**

Carolyn Abitbol, MD

3:15 PM - 4:00 PM

**ICE CREAM BREAK, EXHIBITOR WALK AND POSTERS**

4:00 PM - 5:00 PM

**DEBATE 2: RENAL REPLACEMENT THERAPY (RRT) SHOULD BE AVAILABLE AND OFFERED TO ALL BABIES WHO NEED IT**

Moderator: Cara Slagle, MD

**RENAL REPLACEMENT THERAPY (RRT) AVAILABILITY - PRO**

Michelle Starr, MD

**RENAL REPLACEMENT THERAPY (RRT) AVAILABILITY - CON**

Matko Marlais, MD, FRCPC, FHEA

**GROUP DISCUSSION WORKSHOP:**

**BABIES WITH CONGENITAL KIDNEY FAILURE: WHAT DO YOU THINK?**

5:00 PM - 6:30 PM

Break

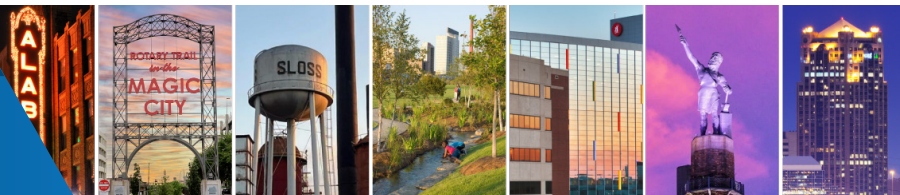
6:30 PM - 7:00 PM

Transport to Networking Social Event

7:00 PM - 10:00 PM

**INNS NETWORKING SOCIAL AT B&A WAREHOUSE  
ALL ATTENDEES ARE INVITED**

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## SUNDAY, SEPT. 15, 2024

7:00 AM - 8:00 AM

BREAKFAST

7:00 AM - 8:00 AM

**NKC: ADVOCACY COMMITTEE UPDATES AND OPPORTUNITIES**

8:00 AM - 9:40 AM

**PLENARY 7: NEONATAL ORGAN CROSS TALK**

Moderators: Shina Menon, MD and Christine Stoops, DO

**IT TAKES TWO TO TANGO: HEART-KIDNEY INTERACTIONS IN NEONATAL AKI AND HEART FAILURE**

Katja M. Gist, DO, MSc

**CAN AKI AND FLUID OVERLOAD BE AVOIDED IN THE CONTEXT OF NEC?**

Cara Slagle, MD

**MANAGEMENT OF THE PDA...THE COURT NOW CALLS THE KIDNEYS TO THE STAND**

Ronnie Guillet, MD, PhD

**KIDNEY-LUNG INJURY INTERACTIONS**

Michelle Starr, MD

9:40 AM - 10:00 AM

BREAK

10:00 AM - 12:00 PM

**PLENARY 8: NEONATAL NEPHROLOGY POUPOURRI**

Moderators: Tennille Webb, MD, MSPH and Namasivayam Ambalavanan, MD

**PUSHING THE BOULDER UP THE HILL: CARING FOR THE NEONATE (AND THEIR FAMILY) WITH CONGENITAL KIDNEY FAILURE FROM DIAGNOSIS UNTIL TRANSPLANT**

Kara Short, MSN, CRNP

**WHAT REGISTRY DATA TEACHES US ABOUT KST IN SMALL CHILDREN**

Shina Menon, MD

**OPPORTUNITIES FOR COLLABORATION ACROSS THE GLOBE AND ACROSS SPECIALTIES**

Waldemar A. Carlo, MD

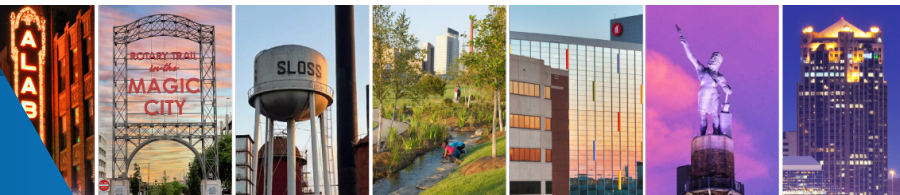
**HYPERAMMONEMIA: TIME IS BRIAN.**

David Selewski, MD, MS

**PULLING IT ALL TOGETHER: WHAT LIES AHEAD IN THE NEONATAL NEPHROLOGY FIELD**

David Askenazi, MD, MSPH, FAAP, FASN

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Pediatric Nephrology

## SPEAKERS

### **Carolyn Abitbol, MD**

*Professor, University of Miami Health System - Miller School of Medicine*

### **Anupam Agarwal, MD**

*Senior Vice President for Medicine and Dean  
UAB Heersink School of Medicine*

### **Namasivayam Ambalavanan, MD**

*Professor of Pediatrics  
Director, Perinatal Medicine Fellowship Program  
Co-Director, Division of Neonatology  
Co-Director, TReNDD Program  
University of Alabama at Birmingham/Children's of Alabama*

### **David Askenazi, MD, MSPH, FAAP, FASN**

*Professor of Pediatrics, W. Charles Mayer Endowed Chair of Pediatric Nephrology  
Medical Director - Pediatric and Infant Center for Acute Care Nephrology (PICAN)  
University of Alabama at Birmingham/Children's of Alabama*

### **Waldemar A. Carlo, MD**

*Edwin M. Dixon Endowed Chair Professor of Pediatrics  
Division Director, Neonatology  
University of Alabama at Birmingham/Children's of Alabama*

### **Mitchell Cohen, MD**

*Katharine Reynolds Ireland Chair of Pediatrics, University of Alabama at Birmingham  
Physician-in-Chief, Children's of Alabama*

### **Jennifer Charlton, MD**

*Associate Professor, University of Virginia Health*

### **Akash Deep, MD, FRCPCH**

*Professor, King's College Hospital, London*

### **Katja M. Gist, DO, MSc**

*Pediatric Cardiologist and Intensivist, Cardiology Clinic  
Co-Director, Center for Acute Care Nephrology  
Associate Professor, UC Department of Pediatrics  
Cincinnati Children's Hospital*

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**Stuart Goldstein, MD, FAAP, FNKF**  
Clark D. West Endowed Chair  
Director, Center for Acute Care Nephrology  
Medical Director, Pheresis Service  
Co-Director, Heart Institute Research Core  
Professor, UC Department of Pediatrics  
Cincinnati Children's Hospital

**Ronnie Guillet, MD, PhD**  
Professor, University of Rochester Medical Center

**Matthew Harer, MD**  
Associate Professor, University of Wisconsin - Madison

**Jennifer Jetton, MD**  
Professor of Pediatrics  
Chief of Nephrology  
Medical Director, Renal and Hypertension  
Medical College of Wisconsin

**Matko Marlais, MD, FRCPCH, FHEA**  
University College London, Great Ormond Street Hospital for Children

**Shina Menon, MD**  
Associate Professor of Pediatrics (Nephrology), Stanford Medicine Children's Health

**Kim Reidy, MD**  
Associate Professor; Chief, Department of Pediatrics Division of Pediatric Nephrology  
Albert Einstein College of Medicine

**Keia Sanderson, MD, MSCR**  
Assistant Professor of Medicine and Pediatrics; Director of Pediatric Dialysis  
University of North Carolina - Chapel Hill Health

**Meredith Schuh, MD**  
Assistant Professor, Cincinnati Children's Hospital

**David Selewski, MD, MS**  
Professor, Medical University of South Carolina Children's Health

**Kara Short, MSN, CRNP**  
Clinical Practice Coordinator, Children's of Alabama

**Tom Shufflebarger**  
President and CEO, Children's of Alabama



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*Cara Slagle, MD*

*Assistant Professor, Indiana University Division of Neonatology*

*Michelle Starr, MD*

*Assistant Professor, Riley Children's Health, Indiana University Health*

*Christine Stoops, DO, MPH*

*Assistant Professor, University of Alabama at Birmingham/Children's of Alabama*

*Colm P. Travers, MD*

*Assistant Professor, University of Alabama at Birmingham/Children's of Alabama*

*Tennille Webb, MD, MSPH*

*Assistant Professor, University of Alabama at Birmingham/Children's of Alabama*

## CONTINUING EDUCATION

Children's of Alabama designates this live activity for a maximum of **15.5 AMA PRA Category 1 Credits™**.

Physicians

should claim only the credit commensurate with the extent of their participation in the activity. This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Medical Association of the State of Alabama. Children's of Alabama is accredited by the Medical Association of the State of Alabama to provide continuing medical education for physicians.

Successful completion of this CME activity, which includes participation in the activity, with individual assessments of the participant and feedback to the participant, enables the participant to earn **15.5 MOC** points in the American Board of Pediatrics' (ABP) Maintenance of Certification (MOC) program. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABP MOC credit.

**Note:** MOC points are Part 2.

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