



The NKC's mission is to improve the health of newborns with or at risk for kidney disease through multidisciplinary collaborative research, advocacy, and education.

October 2021

Dear NKC Members,

Happy fall! We hope you are enjoying the autumnal weather changes and have some fun (safe) spooky plans. Updates are below for the upcoming month including an overview of pertinent talks at the now virtual American Society of Nephrology 2021 Kidney Week which is quickly approaching.

September Article of the Month

The most recent article of the month comes to us from Dr. Ayesa Mian who reviewed [a recent article](#) published in *Pediatric Nephrology* titled "Survival of infants treated with CKRT: comparing adapted adult platforms with the Carpediem." This retrospective cohort analysis across 6 centers is the first to compare outcomes using CARPEDIEM™ and traditional CKRT methods and found that survival to CKRT termination was improved but survival to ICU discharge was unchanged. For more information and to see all recent Articles of the Month, please visit our website [here](#).

ASN Kidney Week Details

Kidney Week will be taking place in a fully virtual capacity from November 4th to the 7th. Below are some presentations that may be of particular interest.

November 4th:

Basic/Clinical Science Session - (10a – 12p PDT) Neonatal Advanced Kidney Disease: Updates, Challenges, and Future Steps

Talks:

- [Fetal Therapies for Congenital Anomalies of the Kidneys and Urology Tract and Related Outcomes](#) - Meredith Atkinson
- [ABCs of Dialysis Delivery to Neonates and Infants: Recent Advances and Future Steps](#) - Bradley Warady
- [Kiddie Kidneys: Advances in Renal Transplantation Among Infants and Toddlers](#) - Sarah Kizilbash
- [Outcomes of Infants and Young Children Requiring RRT](#) - Franz Schaefer

Poster session - (10a – 12p PDT) AKI: Epidemiology, Risk Factors, and Prevention

- Urine Biomarkers of AKI in Extremely Low Gestational Age Neonates: A Case-Control Study - David J. Askenazi, MD, MS, FASN

Poster session - (10a – 12p PDT) Pediatric Nephrology: AKI, Dialysis, Transplant, CKD, and Nephrotic Syndrome

- Association of Antenatal Corticosteroids with Later Kidney Function in Adolescents Born Preterm with Very Low Birth Weight - Whitney Nicole Floyd
- Children on Chronic Hemodialysis Before the First Year of Age: A Three-Year Survival Analysis
- Improving the Identification of AKI in the Neonatal ICU: Three Centers' Experiences - Michelle C. Starr, MD, FASN, MPH
- Kidney Outcomes Among Extremely Preterm Born Adolescents with Neonatal AKI - Ryan Lupo
- Neonatal AKI Is Associated with Impaired Renal Function at 24 Months of Age - Stephanie C. Krom, DO
- Prediction Model of CKD at the Age of One Year Following Prenatal Severe Urinary Tract Dilatation - Yael Borovitz, MD
- The Association of Diuretic Therapy with Fluid Balance and AKI in Hospitalized Preterm Neonates - Mariah L. Wright, MD

Poster session – (10a – 12p PDT) Pediatric Nephrology: Genetics, Kidney Stones, Quality Improvement, and Case Reports

- Postnatal Maturation of Glomerular Filtration Rate in Term Born Neonates: An Individual Patient Data Meta-Analysis - Nori Smeets
- Prenatal Nephrology Consultations and Neonatal Dialysis Survey - Keia Sanderson, MD, MS
- Preterm Birth and Its Association with Altered Renal Sodium Handling in Response to Mental Stress in Young Adults - Andrew South, MD MS

November 6th:

Basic/Clinical Science Session - (10:30a – 12:30p PDT) APOL1 Epidemiology, Causal Mechanism and Therapeutics: Are We There Yet?

Talks:

- APOL1 from a Prenatal, Perinatal, and Pediatric Perspective - Kim Reidy

Oral Abstracts Session – (4:30p – 6p PDT) Assessing Disease Risk in Children: A Developmental Perspective

- Nephrotoxic Medications and Associated AKI in Hospitalized Neonates - Tahagod Mohamed
- Urinary VEGF as a Prognostic Biomarker of CKD in Premature Infants with Lung Disease - Michelle Starr

- [Hyperoxia Exposure in Neonatal Period Is Associated with Decrease in HB-EGF Expression in Mice Kidneys](#) - Rishika Sakaria
- [Identification of Molecular Mechanisms Regulating Mammalian Nephrogenesis Duration and Nephron Endowment](#) - Alison Jarmas

#kidneo Journal Club

NKC Six-2 Crew intern and pediatric nephrology fellow Jacob Little is leading our upcoming #kidneo twitter journal club at 8 pm CT on 10/27. He will be discussing the recent [The Journal of Pediatrics publication](#), "Association between Elevated Urine Neutrophil Gelatinase-Associated Lipocalin and Postoperative Acute Kidney Injury in Neonates."

Updates from the NKC Board

This month the board started to discuss a draft of bylaws that we are looking to approve for the Neonatal Kidney Collaborative. This will take several months to work through as we want to make sure that we get it as right as possible on the first go around. Thanks to Dave Selewski and Maroun Mhanna for initiating this effort.

Communicate your News and Event with the NKC!

Do you have an upcoming event or conference that you think the NKC membership would be interested in? How about a recent accomplishment that you'd like to share? Please let the communication committee know by filling out this [brief form](#)! We would be happy to help share or communicate your upcoming work or accomplishment.

Best Wishes,
Michelle Starr and Matthew Harer
NKC Communication Committee Co-Chairs
Paige Condit and Jacob Little
Six-2 Crew Interns