

# 3rd International Symposium on AKI in Children

October 12–14, 2018



Hilton Cincinnati  
Netherland Plaza  
Cincinnati, Ohio

## Course Objectives

### PURPOSE

To provide a comprehensive course reviewing state of the art treatment in pediatric and neonatal acute kidney injury including AKI epidemiology and treatment as well as the other organ dysfunctions associated with AKI.

### LEARNING OBJECTIVES

AKI Symposium participants will be able to:

- Describe the full spectrum of pediatric and neonatal AKI with a focus on the critically ill patient with concomitant other organ dysfunction
- Discuss the complex interaction between the injured kidney in multi-organ failure, the issues and challenges for medical management in specific patient populations, and the potential role of novel biomarkers to aid in the diagnosis and management of pediatric AKI in various settings
- Describe the emerging evidence of the link between AKI and chronic kidney disease development
- Discuss the regulatory framework, and strategies to address it, for drug and device development for pediatric AKI
- Identify quality assurance and improvement metrics relevant to the care of the pediatric or neonatal patient with AKI
- Utilize simple patient-focused methods to improve diagnosis and outcomes for the patient with or at-risk for AKI

### DESIRED RESULTS

Participants in each aspect will be able to apply knowledge attained from attending this symposium to improve their care of neonates and children who develop or are at-risk for AKI.

## General Information

### REGISTRATION

Onsite registration will open at 5:00 pm on Friday, October 12.

### RECEPTIONS

Please join us for cocktails and hors d'oeuvres:  
Friday, Oct. 12 at 8:00 pm in the Rookwood Room with exhibitors  
Saturday, Oct. 13 at 6:15 pm in the Rosewood Room with poster presenters

### RECORDING THE PROGRAM

Tape recorders not requiring podium microphones are permitted.

### INQUIRIES

For conference inquiries, please contact:  
Roz Robbins, Envision Conference Planners, LLC  
Email: roz.robbins@gmail.com • Phone: 513-673-6605

### EXHIBITING

For exhibitor inquiries, please contact:  
Ali Barnes, Community Outreach Coordinator  
Email: allison.barnes@cchmc.org • Phone: 513-803-1841

### WELCOME TO CINCINNATI

Cincinnati has undergone a dramatic transformation in recent years, combining big-city sophistication and warm Midwestern atmosphere. Discover some of the city's unique offerings including Fountain Square, Smale Riverfront Park and the Contemporary Arts Center. For more information, please visit [cincinnatiusa.com](http://cincinnatiusa.com).

## Accreditation

### PHYSICIAN CREDIT

Cincinnati Children's Hospital Medical Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

This activity has been approved for AMA PRA Category 1 Credit™

### NURSING CREDIT

Contact hours will be awarded to nurses who attend the entire program and complete an evaluation tool. Cincinnati Children's Hospital Medical Center is an approved provider of continuing nursing education by the Ohio Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation. (OBN-001-91) (OH-046, 9/1/2018)

### Disclosure

*All faculty and planning committee members will be required to complete a financial disclosure statement prior to the conference and to disclose to the audience any relevant financial interest and/or other relationship with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial services discussed in his/her presentation and/or commercial contributor(s) of this activity. All conflicts of interest will be resolved prior to the symposium.*

## Accommodations

### HOTEL RESERVATIONS

Reservations may be made by contacting:

Hilton Cincinnati Netherland Plaza  
35 West Fifth Street  
Cincinnati, Ohio, United States 45202  
Phone: 513-421-9100 | Fax: 513-421-4291

To reserve your room online, please visit [www.cincinnatichildrens.org/aki](http://www.cincinnatichildrens.org/aki).

The rate of \$165 single or double occupancy, plus 17.5 % tax, is good three days pre-conference to three days post-conference for standard guestroom accommodations, on a space available basis. You must guarantee all reservations with a credit card. The cutoff date for room reservations is September 21. After that date, reservation requests will be accepted on a space-and-rate- available basis. If you are making your reservation by telephone, please identify your affiliation with the **AKI Symposium** in order to receive the conference rate. Rates cannot be changed at check-in or check-out for guests who fail to identify their affiliation at the time the reservation is requested.

# Agenda

## FRIDAY, OCTOBER 12

- 7:00–7:15 pm Welcome Overview | *S. Goldstein*
- 7:15–8:00 pm KEYNOTE: AKI From a Global Perspective: What the Developed and Developing World Can Teach Each Other | *R. Mehta*
- 8:00 pm Reception

## SATURDAY, OCTOBER 13

- 7:45–8:00 am Welcome Overview | *S. Goldstein*
- 8:00–10:00 am AKI: HOW WE PRACTICE TODAY**
- 8:00–8:20 am Definitions | *S. Sutherland*
- 8:20–8:50 am Renal Replacement Therapy  
*S. Goldstein*
- 8:50–9:20 am AKI to CKD | *L. Chawla*
- 9:20–9:50 am What Is New in Adult AKI Studies  
*S. Bagshaw*
- 9:50–10:00 am Panel
- 10:00–10:30 am Break
- 10:30 am–1:00 pm AKI IN THE PICU**
- 10:30–10:50 am AKI Epidemiology and Outcomes (AWARE)  
*S. Goldstein*
- 10:50–11:10 am AKI in Liver Disease | *A. Deep*
- 11:10–11:30 am Predicting AKI in the PICU | *R. Basu*
- 11:30–11:50 am AKI Biomarkers in the ICU  
*M. Zappitelli*
- 11:50 am–12:20 pm AKI Therapeutics | *P. Devarajan*
- 12:20–12:30 pm Panel
- 12:30–1:30 pm Lunch
- 1:30–3:00 pm ABSTRACT ORAL PRESENTATIONS**
- 1:30–1:40 pm Top Abstract #1
- 1:40–1:50 pm Top Abstract #2
- 1:50–3:00 pm AKI IN THE NICU**
- 1:50–2:10 pm AKI in Newborns: AWAKENing a New Frontier in Neonatal Nephrology | *D. Askenazi*
- 2:10–2:30 pm Neonatal AKI RRT Technology  
*Z. Ricci*
- 2:30–2:50 pm Neonates Are Not Just Little Children: What We Need to Learn to Improve Renal Outcomes | *R. Guillet*
- 2:50–3:00 pm Panel
- 3:00–3:30 pm Break
- 3:30–5:30 pm AKI IN THE CICU**
- 3:30–3:50 pm Cardiopulmonary Bypass: AKI Is Bad, so Let's Get Beyond the Diagnosis | *C. Krawczeski*

- 3:50–4:10 pm Pre-Operative and Post-Operative Biomarkers to Predict Post-Operative AKI | *P. Devarajan*
- 4:10–4:30 pm Mechanical Support: LVADs and ECMO and AKI  
*D. Cooper*
- 4:30–4:40 pm Panel
- 4:40–5:00 pm Break
- 5:00–6:15 pm SPECIAL TOPICS: SIMPLE CONCEPTS THAT CHANGE THE OUTCOME**
- 5:00–5:20 pm Oliguria: The Cheapest and Most Impactful AKI Biomarker | *S. Goldstein*
- 5:20–5:40 pm Fluid Overload, Epidemiology and Outcomes in Pediatric AKI | *D. Selewski*
- 5:40–6:00 pm The Furosemide Stress Test | *D. Cooper*
- 6:00–6:15 pm Panel
- 6:15 pm Reception

## SUNDAY, OCTOBER 14

- 7:45–8:00 am Welcome Overview | *S. Goldstein*
- 8:00–9:45 am INNOVATION IN PEDIATRIC AKI AND CRRT THERAPIES**
- 8:00–8:30 am FDA Perspective on Thresholds for Pediatric Device Development | *D. Silverstein*
- 8:30–8:50 am AKI Device Sponsor's Journey From Adult to Pediatric Indication | *H. D. Humes*
- 8:50–9:10 am Industry Perspective on Opportunities and Barriers to Innovation in Children with AKI | *L. Chawla*
- 9:10–9:30 am Financial Impact of AKI | *P. Brophy*
- 9:30–9:45 am Panel
- 9:45–10:15 am Break
- 10:15 am–1:00 pm AKI: WHERE WE NEED TO BE**
- 10:15–10:35 am From Bench to Bedside: Can We Finally Understand What AKI Is? | *P. Devarajan*
- 10:35–10:55 am Dynamic Biomarker Assessment: It Just Makes Sense | *R. Basu*
- 11:15–11:35 am Does Your Program Know Its AKI and CRRT Epidemiology? The Case for a Dashboard | *T. Mottes*
- 11:35–11:55 am What Are the Important AKI Studies That Need to Be Done? | *S. Bagshaw*
- 11:55 am–12:15 pm How Can We Realize the Promise of Big Data in AKI? | *S. Sutherland*
- 12:15–12:35 pm Putting It All Together: Ending Nihilism in the Field | *S. Goldstein*
- 12:35–12:50 pm Panel
- 12:50–1:00 pm Closing Remarks | *S. Goldstein*

## Faculty

### David Askenazi, MD, MPH

Children's of Alabama | *Birmingham, AL, USA*

### Sean Bagshaw, MD, MSc, FRCPC

University of Alberta Hospital | *Edmonton, AB, Canada*

### Rajit Basu, MD, FAAP, FCCM

Children's Healthcare of Atlanta | *Atlanta, GA, USA*

### Patrick Brophy, MD, MHCDS

University of Rochester Medical Center | *Rochester, NY, USA*

### Lakhmir Chawla, MD

George Washington University Medical Center  
*Washington, D.C., USA*

### David Cooper, MD, MPH

Cincinnati Children's Hospital Medical Center  
*Cincinnati, OH, USA*

### Akash Deep, MD, FRCPC

Kings College Hospital | *London, UK*

### Prasad Devarajan, MD

Cincinnati Children's Hospital Medical Center  
*Cincinnati, OH, USA*

### Stuart Goldstein, MD, FAAP, FNKF

Cincinnati Children's Hospital Medical Center  
*Cincinnati, OH, USA*

### Ronnie Guillet, MD, PhD

University of Rochester Medical Center | *Rochester, NY, USA*

### H. David Humes, MD

University of Michigan Medical School | *Ann Arbor, MI, USA*

### Catherine Krawczeski, MD

Lucile Packard Children's Hospital Stanford  
*Stanford, CA, USA*

### Ravindra Mehta, MD

UC San Diego Health | *San Diego, CA, USA*

### Theresa Mottes, MSN, RN, CDN, CPNP-AC

Texas Children's Hospital | *Houston, TX, USA*

### Zaccaria Ricci, MD

Bambino Gesù Children's Research Hospital | *Rome, Italy*

### David Selewski, MD

C. S. Mott Children's Hospital | *Ann Arbor, MI, USA*

### Douglas Silverstein, MD

Food and Drug Administration | *Silver Spring, MD, USA*

### Scott Sutherland, MD

Lucile Packard Children's Hospital Stanford  
*Stanford, CA, USA*

### Michael Zappitelli, MD, MSc

The Hospital for Sick Children | *Toronto, ON, Canada*

## Abstracts

### SUBMISSIONS

Attendees are invited to submit abstracts pertaining to the topics in the agenda. Abstracts will be judged for scientific merit and accepted submissions will be available to view as posters throughout the course. We plan to publish abstracts in *Pediatric Nephrology* in time for the meeting.

Please note that all abstract presenters must register for the conference prior to submitting abstracts.

All abstracts will be evaluated and ranked for scientific merit by David Askenazi, Rajit Basu, Patrick Brophy, David Cooper, Stuart Goldstein and Theresa Mottes.

### AWARDS

The top six abstracts will be recognized during the meeting. The corresponding first or senior author of each will receive complimentary registration.

The first or senior author of top three abstracts will receive complimentary hotel stay for two nights.

The first or senior author of the top two abstracts will be invited to provide an oral presentation during the meeting.

### GUIDELINES

- Deadline for submission: July 15
- Submit abstract to Stuart Goldstein at [stuart.goldstein@cchmc.org](mailto:stuart.goldstein@cchmc.org)
- Subject line of submission email: "Abstract for 2018 AKI Symposium"
- Word count maximum: 470 words
- Only abstracts written in English will be accepted
- Each abstract should be prepared on a separate page using 10-point type in an area measuring 8.5 cm/3.35 in wide and 10.5 cm/4.13 in high. Do not put a box around the text
- Title: 10-point type, bold
- Author names: New line below title, 10-point, initial caps and lower case; initials for first names (do not add Prof., Dr., etc.)
- Affiliation: New line, type affiliation of institution where the research work was done
- Text: 10-point single type, include figures and tables within text in 10-point
- Contact: At the end of the abstract, leave a blank line, then type address, fax and email of the first author
- Notification of abstract acceptance: August 15



# Registration

## AKI SYMPOSIUM

	Physicians	Non-Physicians & Trainees	Registration
Early   through June 30	\$500	\$400	<a href="#">Register here</a>
Late   July 1 through October 11	\$545	\$445	<a href="#">Register here</a>
Onsite   October 12	\$600	\$500	

## CRRT UNIVERSITY

	Simulation & Didactic	Didactic Only	Registration
Session 1   October 15–16 ( <i>Limit 12 participants</i> )	\$250	\$25	<a href="#">Register here</a>
Session 2   October 16–17 ( <i>Limit 12 participants</i> )	\$250	\$25	<a href="#">Register here</a>

Advance online registration for this conference is required. Deadline for early registration is June 30. After that date, fees increase by \$45. Online registration will be available until October 11. After that date, only onsite registration will be accepted.

Registration fees include all course materials, breakfasts, luncheons, breaks and receptions on Friday, Saturday and Sunday.

For more information, please visit [www.cincinnatichildrens.org/aki](http://www.cincinnatichildrens.org/aki).

Registration confirmation will be automatic per the online process. Please note: Credit card payments will be processed online during registration.

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To pay by hard copy check, please register online as instructed above and remit payment to the address below with the following information:

- Name
- Cell Phone
- Email

Please make checks payable to **CCHMC CME** noting **AKI 2018** in the memo line.

Please mail contact information and check to:  
Cincinnati Children's Hospital Medical Center  
Continuing Medical Education  
3333 Burnet Avenue, MLC 3003  
Cincinnati, Ohio, USA 45229

CRRT University™ is funded through an educational grant from Baxter Healthcare.

## CANCELLATION POLICY

Cancellations received on or before September 28, are fully refundable. Cancellations received after September 28 will be subject to a 50% partial refund. Please submit cancellation requests to [cme@cchmc.org](mailto:cme@cchmc.org) indicating to whom the refund should be made payable.