

1st International Symposium on AKI in Children at the 7th International Conference on Pediatric Continuous Renal Replacement Therapy (PCRRT)

Thursday, September 27 - Sunday, September 30, 2012

Hilton Cincinnati Netherland Plaza, Cincinnati, Ohio, USA

PROGRAM

Thursday September 27th, 2012

7:00-9:00 PM

The State of AKI Opening Session (Thursday night with reception)

- a. AKI Overview – The Major Changes in the Field

Friday, September 28th, 2012

8:00 – 10:30 AM

Pediatric AKI Symposium/Pediatric CRRT together

The State of Pediatric AKI

- a. The Transformation of PCRRT to PCRRT/PAKI
- b. The Transformation of the ppCRRT to the ppAKI-RG

AKI itself

- c. Epidemiology
- d. Definitions
- e. The new paradigm (Biomarkers to define AKI)
- f. Renal Angina
- g. Supportive therapies
- h. Therapeutic options

10:30 – 11:00 AM - BREAK

11:00 AM – 1:00 PM

Pediatric AKI Symposium

Sepsis/MODS

- a. The Genomics of septic shock
- b. The Genomics of septic shock associated AKI
- c. Thrombocytopenia Associated Multi-Organ Failure
- d. ECMO in CRRT – What are the Data?
- e. Biomarkers in MODS associated AKI
- f. New agents on the Horizon for Sepsis

Pediatric CRRT

The Basics

- a. Terminology and Physiology
- b. Access
- c. The Prescription: Rates, Dose, Fluids
- d. Anticoagulation:

1:00 PM – 2:30 PM – LUNCH

2:30 PM – 4:00 PM

Pediatric AKI Symposium/Pediatric CRRT together

AKI in the Non-Intensive Care Unit Setting

- a. The Unrecognized Epidemic of Nephrotoxin Associated AKI
- b. AKI to CKD – Epidemiology and Predictive Models
- c. AKI to CKD - Can We Prevent It, How Should We Look for It?
- d. Leveraging the Recent Advances in Improvement Science to Eradicate

4:00 PM – 4:30 PM – BREAK

4:30PM – 6:30 PM

Pediatric AKI Symposium

Liver-Kidney Interactions

- a. Hepatorenal Syndrome - what is it?
- b. MARS
- c. Medication management (Terlipressin)
- d. The Biology of Atypical HUS
- e. Treatment Strategies for aHUS

Pediatric CRRT

Specific Populations

- a. Neonate
- b. Non-Renal Indications: Intoxications & Inborn Errors of Metabolism
- c. Is There a Rationale to Use CRRT to Treat Sepsis?
- d. The Other CRRT: PD

7:00 - 8:00 PM - RECEPTION

8:00 PM – 10:00 PM - DINNER

Saturday, September 29, 2012

8:00 – 10:30 AM

Pediatric AKI Symposium/Pediatric CRRT together

Cardiorenal syndromes

- a. AKI after bypass
- b. Monitoring of Heart/Kidney Interactions: Current Technology
- c. Heart failure
- d. Biomarkers in the Cardiorenal syndromes
- e. Treatment strategies for AKI after CPB (fenoldopam, early PD)
- f. Treatment strategies for ADHF associated AKI
- g. AKI to CKD after CPB
- h. CKD and Fontans

10:30 – 11:00 AM - BREAK

11:00 AM – 1:00 PM

Pediatric AKI Symposium

- a. Major Published Clinical Trials in AKI - What Do They Really Mean?
- b. AKI from the Bench – Review of the Animal Models
- c. Current Clinical Trials in AKI – What Questions are They Addressing
- d. The “Omics” of AKI – Making Sense of the Molecular Biology
- e. From Bench to Bedside – Let’s Not Forget Physiology in AKI

Pediatric CRRT

Other Device Support

- a. ECMO
- b. MARS
- c. Pheresis
- d. Ventricular Assist Devices

1:00 PM – 2:30 PM – LUNCH

2:30 PM – 4:00 PM

Pediatric AKI Symposium/Pediatric CRRT together

Fluid Is A Drug that Should be Dosed

- a. Early Goal Directed Therapy
- b. Late Conservative Fluid Management
- c. Fluid Resuscitation: Is it Really Doing What We Think It is?

- d. When to Consider Renal Supportive Therapy
 - e. Putting it all together: When Resources are Scarce
 - f. Putting it all together: When Resources are Abundant
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Sunday, September 30, 2012

8:00 – 10:30 AM

Pediatric CRRT

Program Issues and Hands-On Workshop

- a. The Dialysis-Centric Program
- b. The Blended Dialysis/ICU Program
- c. Hands-On Workshop/Table Share of Protocols and Practices – emphasis on blood priming, pediatric specific issues

10:30 AM - Adjourn

FACULTY CONFIRMED TO DATE

David Askenazi MD MsPH
Associate Professor of Pediatrics
University of Alabama at Birmingham
Division of Pediatric Nephrology, Birmingham, Alabama, USA

Sean M Bagshaw MD Msc FRCPC
Assistant Professor, Critical Care Medicine
Faculty of Medicine and Dentistry and School of Public Health
University of Alberta, Canada

Patrick D Brophy MD
Associate Professor and Director of Pediatric Nephrology,
dialysis and Transplantation
University of Iowa Children's Hospital, Iowa City, Iowa, USA

Timothy E Bunchman MD
Professor and Director Pediatric nephrology
Children's Hospital of Richmond
Virginia Commonwealth University School of Medicine
Richmond, Virginia, USA

Lakhmir S. Chawla MD
Associate Professor of Medicine
George Washington University Medical Center
Washington, D.C., USA

David S Cooper MD MPH
Associate Director, Cardiovascular Intensive Care Unit
and Director, Cardiac ECMO Program, Division of
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Akash Deep MD
Consultant Intensivist (Clinical Lead)
Paediatric Intensive Care Unit
King's College Hospital, London, England

Prasad Devarajan MD
Professor of Pediatrics and Developmental Biology
Director of Nephrology and Hypertension
Director, Clinical Nephrology Laboratories,
CEO, Dialysis Unit, Cincinnati Children's Hospital medical Center
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Research Assistant Professor of Pediatrics
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Children's Hospital Medical Center, Cincinnati, Ohio, USA

James D Fortenberry MD FCCM FAAP
Pediatrician in Chief, Children's Healthcare of Atlanta
Professor of Pediatrics, Division of Critical Care Medicine
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Director, Center for Acute Care Nephrology and Medical Director
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Professor, Department of Intensive Care
Erasmus Medical Center
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John Lynn Jefferies MD MPH FAAP FACC
Director, Advanced Heart Failure and Cardiomyopathy
Director, Cardiac Transplantation and Co-director, Cardiovascular Genetics
Associate Director, Heart Institute Research Core, Cincinnati Children's Hospital
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Eric Kirkendall MD FAAP
Assistant Professor, Division of General and Community Pediatrics
Hospital Medicine Medical Director, Clinical Decision Support
Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, USA

Uma Raman Kotagal MBBS MSc
Senior Vice President, Quality, Safety and Transformation
Executive Director, James M Anderson Center for Health Systems Excellence
Professor of Pediatrics, Obstetrics and Gynecology, University of Cincinnati
Cincinnati, Ohio, USA

Catherine D Krawczeski MD

Associate Professor of clinical Pediatrics, Cardiac Intensive Care
Co-Director, Center for Acute Care Nephrology
Heart Institute Director of Quality Improvement and Clinical Effectiveness
Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, USA

Bradley S Marino MD MPP MSCE

Associate Professor of Pediatrics, University of Cincinnati College of Medicine
Director, Heart Institute Research Core and Director, Heart Institute Neuro-
developmental Clinic; Attending Cardiac Intensivist, Cardiac Intensive Care Unit
Divisions of Cardiology and Critical Care Medicine, Cincinnati Children's Hospital
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Carla M Nester MD MSA

Assistant Professor and Director Pediatric Glomerular Disease Clinic
University of Iowa Hospitals and Clinics, Iowa City, Iowa, USA

Stefano Picca MD

Clinical Associate Professor of Pediatric Nephrology
Ospedale Bambino Gesù children's Research-Teaching Hospital
Rome, Italy

Jordan M Symons MD

Associate Professor of Pediatrics
University of Washington School of Medicine
Attending Nephrologist Seattle Children's Hospital
Seattle, Washington, USA

Derek S Wheeler MD

Clinical Director, Division of Critical Care Medicine and Co-director,
The Center for Acute Care Nephrology,
Associate Patient Safety Officer, Cincinnati Children's Hospital Medical Center
Cincinnati, Ohio, USA

Michael Zappitelli MD MSc

Assistant Professor in Pediatrics
Pediatric Nephrologist and Director of the Extracorporeal Blood
Therapy & Peritoneal Dialysis Program, Montreal Children's Hospital
McGill University Health Centre, Montreal, Canada

COURSE OBJECTIVES

Purpose:

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

CRRT Conference: Review of the basics of CRRT provision in children as well as a hand-on training using various CRRT devices.

Learning objectives:

AKI Symposium: Participants will be able to:

- Describe the full spectrum of pediatric 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 population, 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

CRRT Conference: Participants will be able to:

- Describe the basics of CRRT provision to children across the entire spectrum of pediatric critical illness
- Discuss the latest information regarding the entire CRRT prescription from modality choice, anticoagulation, access choice and timing of CRRT initiation, and the application of CRRT in various disease states.

Desired Results:

The participant in each aspect will be able to apply knowledge attained from attending these conferences to improve their care of children who develop, or are at-risk for, AKI.

CREDIT

Physician Credit:

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of Cincinnati Children's Hospital Medical Center and PCRRT Foundation Inc. Cincinnati Children's Hospital is accredited by the ACCME 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 (OH-046/ 9-1-12) is an approved provider of continuing nursing education by the Ohio Nurses Association (OBN-001-91), an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

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 significant 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.

REGISTRATION

1st International Symposium on AKI in Children at the 7th International Conference on Pediatric Continuous Renal Replacement Therapy Conference
September 27 - 30, 2012

Conference Registration Fees:*

Physicians - \$450 (\$500)

Other clinicians/students - \$400 (\$450)

Additional Guest for Dinner (September 28th) - \$85

Deadline for the early registration fee is September 5, 2012. On-line registration will be available until September 21, 2012. After that date, only on-site registration will be accepted..

**Registration fee includes all course materials, breakfast, luncheons, breaks and dinner on Friday, September 28th.*

Online registration for this conference is required.

Please visit www.cincinnatichildrens.org/cme and click on the link to register in the CME Central box in the upper right corner of the page. Confirmation will be automatic per online process.

Please note: Credit card payments will be processed online during registration.

To pay by hard copy check, please register online as instructed above, complete the following form, and remit your form and payment to the address below.

Name: _____

Work Phone: _____

Email: _____

Please make checks payable to CCHMC CME.

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

Cancellation Policy

Early registration is recommended. Cancellations received on or before September 12, 2012 are fully refundable. After September 12, a \$50 processing fee will be charged. Cancellations after September 12 are non-refundable.

Should Cincinnati Children's Hospital Medical Center find it necessary to cancel this conference, registration fees will be reimbursed in full. However, Cincinnati Children's is not responsible for any other cost incurred by the participants.

ABSTRACT SUBMISSION

Participants are invited to submit abstracts pertaining to the topics in the program schedule. Abstracts will be accepted for either oral or poster presentations. Poster-based abstracts may be viewed throughout the course and participants will also have an opportunity to review them with the authors during the poster sessions. Please note that all abstract presenters either for poster or oral presentations must register for the conference.

ABSTRACT GUIDELINES

Deadline for submission is June 30, 2012.

Email your abstract in .doc file to carol.malone@pclnet.net. limit to no more than 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 8.5cm/3.35 inches wide and 10.5 cm/4.13 inches high. Recommended font is *Times New Roman*. Do not put a box around the text.

Title - 10- point type, bold.

Author names - new line below title, 10- point, 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 will be July 20, 2012

If you have questions, contact carol.malone@pclnet.net or Dr. Timothy Bunchman at tbunchman@mcvh-vcu.edu.

HOTEL REGISTRATION

Hotel reservations: Reservations may be made by contacting the Hilton Cincinnati Netherland Plaza, 35 West Fifth Street, Cincinnati, Ohio, United States 45202
Phone: 1-513-421-9100; Fax: 1-513-421-4291.

A rate of \$129 single or double occupancy, plus 17 % tax, is good three days pre-conference to three days post-conference for standard guestroom accommodations. **Please identify your affiliation with the *Conference on PCRRT/Symposium on AKI* 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.** The attendee, with a credit card or one night's deposit must guarantee all reservations. **The cutoff date for room reservations is September 5, 2012.** After that date, reservation requests will be accepted on a space- and rate-available basis.

GENERAL INFORMATION

Program: Thursday Evening, September 27 - Sunday A.M., September 30
Reception and Dinner: Friday September, 28

Fellowship Travel Awards: Six travel awards of \$500 each will be awarded to the top abstracts from nurses and fellows from nephrology, critical care and cardiology. **Abstract participants will need to register for the meeting.**

Children: Small children or babies are not permitted in the conference room while the program is in session. If babysitting services are needed, please contact the hotel directly.

Recording the Program: Tape recorders not requiring podium microphones are permitted.

Inquires: Direct all inquiries to carol.malone@pclnet.net at the PCRRT Foundation office. Phone: (011) 256-232-2865; Fax (011) 256-233-6212.

Exhibiting: If you are interested in exhibiting, please contact Laura Werts (laura.werts@cchmc.org; 513-636-1826).