

THE 24TH INTERNATIONAL CONFERENCE ON
ADVANCES IN CRITICAL CARE NEPHROLOGY



Endorsed by the
INTERNATIONAL SOCIETY OF NEPHROLOGY
AND
ACUTE KIDNEY INJURY NETWORK



AKI & CRRT 2019

*Updates in ICU Medicine:
Controversies, Challenges and Solutions*

FEBRUARY 26 - MARCH 1, 2019 SAN DIEGO, CALIFORNIA
MANCHESTER GRAND HYATT



Jointly Provided by

UC San Diego
SCHOOL OF MEDICINE

and

CRRT, INC.

CRRTONLINE.COM

**Abstract Deadline:
Dec. 12, 2018**

Dear Colleague,

We would like to invite you to join us for the upcoming **24th International Conference on Advances in Critical Care Nephrology - AKI & CRRT 2019**.

The CRRT Conference is a unique forum that continues to provide a comprehensive coverage of the rapidly developing field of Critical Care Nephrology, AKI and CRRT. It highlights the recent advances in our understanding of pathophysiology of critical illness, AKI, emerging strategies in the management of sepsis, multi-organ failure, and the use of biomarkers to assess and manage patients with renal dysfunction. This year's program presents exciting new developments and evidence for assessing critically ill patients with imaging techniques, new definitions of AKI in liver disease, cardiorenal syndrome and key strategies to improve renal recovery. Experts will cover a wide-ranging review of the most recent technical advances in CRRT and the appropriate utilization of these techniques. Results of recently completed trials for prevention of contrast induced AKI, management of shock, and removal of endotoxin in sepsis will be presented. A mix of invited lectures, controversies, interactive workshops, tutorials, poster sessions, panel discussions and meet the expert sessions are planned to continue the tradition of multidisciplinary interactions throughout the conference.

Again this year we are offering two Pre-Conference workshops: the UAB/UCSD O'Brien AKI Symposium titled **Changing Paradigms in Acute Kidney Injury: From Mechanisms to Management** covering the most recent advances in basic and translational research and their applications to clinical care. **The Practice Based Learning for CRRT** workshop is now a 2 day event and offers case based training to optimize the delivery of CRRT for nurses and physicians.

2019 Conference Topic Highlights:

- **Meet The Expert Sessions**

Interact and Learn from Experts on How to Evaluate and Manage ICU Patients with Difficult Clinical Problems

- **Organ Dysfunction in the Critically Ill Patient**

Emerging Concepts in Organ Cross-talk, Sepsis, Liver and Cardiac Dysfunction, Infections

- **Results from ADQI Conferences on AKI Following Cardiac and Vascular Surgery**

Updated consensus recommendations on pathophysiology, risk assessment and management of patients with AKI post surgery

- **Controversies in Management of the Critically Ill Patient**

Diuretic Use for AKI, Drug Induced Kidney Disease, RRT for End Stage Liver Disease, Protecting the Kidney; Results from Trials in AKI and Sepsis

- **Challenges and Controversies in Renal Support & CRRT**

When to Start and Stop, Co2 Removal, RRT for Sepsis, Drug Dosing and Hybrid Therapies

- **Biomarkers for Management of Critically Ill Patients**

Risk Stratification, Surveillance, Diagnosis, Targeted Intervention and Prognosis

- **Special Sessions for Nurses and Allied Personnel**

Workshops on CRRT, Intraoperative RRT, Infection Control for ECOS, Establishing and Maintaining Core Competencies

As always, we are working to provide the right environment to foster learning and mutually beneficial communications and collaborations. We hope that you will join us to share your knowledge and experience as it is through multidisciplinary interactions that we will gain a better understanding of critical illness and it is only through our collective efforts that we will improve the lives of our patients. We look forward to welcoming you to San Diego for the 24th time.



Ravindra L Mehta, MBBS MD DM FACP FASN
Chairman, Organizing Committee

AKI&CRRT 2019

Endorsed by



The International Society of Nephrology



Acute Kidney Injury Network

ORGANIZING COMMITTEE

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IMPORTANT CONFERENCE DATES

Abstract Submission (see page 5)	Now Open
Online Registration Begins	October 1, 2018
Deadline for Receipt of Abstracts (see page 5)	December 12, 2018
Notification of Abstract Acceptance	January 5, 2019
Deadline for Early Bird Registration	January 7, 2019
Hotel Reservation Deadline	February 3, 2019
On-site Registration Fees Begin	February 5, 2019
Pre-Conference Elective CRRT Workshop (see page 4)	February 25 & 26, 2019
Pre-Conference Elective AKI Symposium (see page 4)	February 26, 2019
Poster Mounting and Viewing	February 26, 2019
Plenary and Standard Workshop Sessions	February 27-March 1, 2019

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GENERAL INFORMATION

Visit our website for the most current program information, abstract submission, online registration (reg. form download available) and online hotel reservations.
www.crrtonline.com

CONFERENCE DATES AND LOCATION

The inclusive dates for all scientific sessions of the **TWENTY FOURTH INTERNATIONAL AKI & CRRT CONFERENCE** are February 26 - March 1, 2019. The Conference will be held at the Manchester Grand Hyatt, 1 Market Place, San Diego, CA 92101, Tel: (619) 232-1234. Online Reservations are available directly with the hotel by using Hotel Reservations link on the conference website. Group reservations of 5 or more hotel rooms need to contact the conference administration directly at 858-272-1018.

REGISTRATION INFORMATION

Please visit our website to register (online registration required, printable form available). All participants must register and pay the appropriate fee. **Fee includes** access to all Plenary Sessions, Standard Workshops, Exhibit Area, Welcome Reception & Poster Sessions (Tue.), Exhibit Reception (Wed.), CME Accreditation, Conference Syllabus (digital media), two Lunches (Wed. & Thur.), two Breakfasts (Wed. & Thur.) and all conference coffee breaks. Conference Registration Fee **DOES NOT** include Elective Events on Monday or Tuesday. (see page 4 & 5 for list). Registration check-in will begin on Monday, February 25, 2019. Poster Viewing will begin on Tuesday evening February 26, 2019. For additional registration times see the program.

REGISTRATION FEES

	Early Bird On or before Jan. 7, 2019	Pre-Registration Jan. 8, 2019 thru Feb. 4, 2019	Registration Feb. 5 thru Mar. 1, 2019
Physicians/Other (MD, PhD, etc.) <i>With Multimedia Package</i>	\$ 730 \$ 930	\$ 830 \$ 1,030	\$ 895 \$ 1,095
Nurses/Dietitians/ Pharmacists/Residents*/Fellows* <i>With Multimedia Package</i>	\$ 530 \$ 730	\$ 630 \$ 830	\$ 675 \$ 875
Industry <i>With Multimedia Package</i>	\$ 730 \$ 930	\$ 830 \$ 1,030	\$ 895 \$ 1,095

*with letter of verification from department head

PRE-CONFERENCE ELECTIVE SYMPOSIUM & WORKSHOP FEES

PW1 AKI, PW2 CRRT	\$ 250	\$ 270	\$ 290
<i>PW1 with Multimedia Package</i>	\$ 375	\$ 395	\$ 415
PW1 AKI without full conference reg.	\$ 280	\$ 300	\$ 320
<i>PW1 only with Multimedia Package</i>	\$ 405	\$ 425	\$ 445

MEET THE EXPERT BREAKFAST SESSIONS

(with registration) **\$50**

These breakfast sessions (choose from 2 on Wed., Thurs. & Fri.) allow participants to meet and interact with internationally renowned experts in an informal setting over breakfast. This is an excellent opportunity to ask questions, learn how these experts manage patients, get guidance for projects and network. See pages 10, 13 and 15 for titles and faculty.

ONLINE MULTIMEDIA PRESENTATIONS

(with registration) **\$200**

We will record all 7 **PLENARY SESSIONS** and select symposia for post-conference viewing online. Add this package to your registration to review presentations in a state-of-the-art format that includes streaming audio and video, and synchronized slides. Please visit the conference website for details regarding the presentations & free demo lecture.

PRE-CONFERENCE ELECTIVE EVENTS (CME Available)

CRRT WORKSHOP (see page 3 for fees)

Second Day Added!

MON & TUES, FEBRUARY 25 & 26 - Full Day (limited enrollment, full program on page 9)

Practice Based Learning in CRRT: The Science and the Art

Monday 1:45pm-6:00pm, Tuesday 7:45am-5:30pm

(includes PM break on Mon., and Tuesday breaks and lunch - CRRT Conference Registration Required)

This workshop is designed to provide participants with the knowledge and understanding for the effective utilization of CRRT to manage critically ill patients. Session 1 on Monday focuses on the fundamentals of CRRT including the components, operational characteristics and characteristics, solute and fluid management and monitoring. Session 2 on Tuesday will utilize case based discussions and interactive sessions to illustrate the underlying concepts for application of CRRT in different situations. Delegates will participate in group exercises to apply their learning for the management of complex cases. At the end of this workshop participants will have an improved understanding of how to utilize CRRT for optimizing renal support. A quiz will be administered pre- and post- course for assessment.

AKI SYMPOSIUM (see page 3 for fees)

Presented by UAB/UCSD O'Brien Center for AKI Research

TUESDAY, FEBRUARY 26 - Full Day* (limited enrollment, full program on page 8)

CRRT Conference Attendance is NOT Required for this Symposium. See website for details!

Changing Paradigms in Acute Kidney Injury: From Mechanisms to Management

7:55am-5:30pm (includes 12:15 lunch, AM & PM breaks)

Acute Kidney Injury is a rapidly evolving area where several advances have been made in understanding the mechanisms and pathways of AKI and its effects on other organs. Recent identification of biomarkers has provided new tools and techniques to characterize this disorder. This pre-course will provide a comprehensive review of the most recent developments in the field and describe emerging knowledge from basic and translational research applicable to clinical care.

* A \$30 discount will be given to attendees that register for the CRRT Conference. To receive the discount you must sign up for this symposium at the same time you register for the conference.

SOCIAL ACTIVITIES (Non-CME)

Welcome Reception and Poster Review Tuesday, February 26, 2019 5:30-7:00pm

All attendees are invited to review the CRRT poster presentations including fellows in training and meet the presenters and faculty. This is a great opportunity to pick-up credentials, register on-site, organize your workshops and prepare for the upcoming CRRT meeting. Light appetizers & refreshments will be served.

Exhibit Reception and Poster Session Wednesday, February 27, 2019 6:00-8:00pm

Meet and interact with CRRT poster presenters while you review the latest in equipment and products. This is a great opportunity to network and meet your colleagues. Light appetizers & refreshments will be served.

ADDITIONAL OPTIONAL SESSIONS (Non-CME)

INDUSTRY BREAKFAST AND LUNCH SYMPOSIA - see website for updates

We are currently planning additional lunch symposia and will post details on conference website as soon as they are available

Seating will be **LIMITED** for these sessions - Selection made during registration

ABSTRACT INFORMATION

DEADLINE FOR RECEIPT OF ABSTRACTS: December 12, 2018

Abstract Submission Via Our Website is Required: www.crrtonline.com

GENERAL INFORMATION

1. The abstract must be written in English.
2. Deadline: abstracts **MUST BE RECEIVED** no later than **December 12, 2018**.
3. **Online abstract submissions are required. See website for details: www.crrtonline.com**
4. Presenting authors must pay the registration fee and attend the meeting. Authors of accepted abstracts are not provided with travel funds.
5. All accepted abstracts will be published and distributed electronically in the CRRT Conference Syllabus. Hardcopy syllabus booklets will be available for purchase during the conference. Abstracts and digital posters (if submitted) will also be published online at: www.crrtonline.com
6. Notification of acceptance will be mailed by **January 5, 2019**.
7. **Selected abstracts will be eligible for digital poster discussions with experts on Tuesday, February 26 & 27 from 5:30-7:00pm. Details will be provided with notification of acceptance.**

CONTENT OF THE ABSTRACT

1. Abstracts are limited to 2500 characters. Please see sample on the conference website.
2. Abstract Body: purpose of the study, methods used, summary of the results and conclusion reached.
3. Author list is limited to 10.
4. References and credits **MUST NOT** be included in the abstract.
5. Simple tables, figures and graphs may be included, but avoid the use of special characters.
6. Formulas should be avoided.
7. Use standard abbreviations in parentheses after the full word appears the first time.
8. Please indicate the subject category your abstract most closely represents:
 - a) Epidemiology and Outcomes from AKI, b) Research in AKI (Basic, translational, clinical including clinical trials), c) RRT Technique Characteristics, d) RRT Applications and Targeted Interventions, e) New Technology, f) RRT Research, g) Nursing Issues (education, training, care delivery)
9. Abstracts will be published as submitted. Proof and edit your submission accordingly.

TRAVEL AND REGISTRATION AWARDS

Fellows in an accredited training program, nurses and allied professionals who submit a poster abstract to be presented at the CRRT Conference by December 12 are eligible to apply for Registration and Travel Awards for the conference. Awards will be based on the quality and relevance of the research as judged by the abstract review committee. **Awards will be provided based on availability of funds.** The top three abstracts will be recognized. Award recipients are required to be present at their poster session on Tuesday, February 26 and Wednesday, February 27, 2019.

1. **Registration Awards** - Conference reg fee. includes plenary sessions and standard workshops.
2. **Travel Awards** - Checks for up to a maximum of \$500 will be presented at the time of the conference.
3. **Recognition Awards** - The top three abstracts will be awarded recognition awards.

CRITERIA FOR GRANTS AND/OR AWARDS

1. Submit a poster abstract (via CRRT web site) and present a poster in the topics covered in the CRRT conference at the Poster Sessions: Tuesday, February 26 and Wednesday, February 27, 2019.
2. Fellows must be currently enrolled in an accredited fellowship program in their host country.
3. Submit a signed letter (*same time as abstract*) from their program director verifying their current status in the program. **NOTE:** Signed letter must be faxed or emailed to CRRT administration office (fax: 1-858-272-7687 or res@crrtonline.com) **on the same date** as submission of abstract. Abstracts submitted without dated faxed letter will not be accepted for Grants.
4. Designate request for financial support on the CRRT website abstract application form.
5. Fellows must attend an offered workshop.

SUBMISSION

1. Notification of acceptance will be mailed by **January 5, 2019** with additional information regarding poster dimensions, digital file submission and presentation of your poster.
2. For additional information or if you are unable to complete an online submission contact:

RES Seminars
4425 Cass Street, Suite A
San Diego, CA 92109 USA

Phone: 858-272-1018
Fax: 858-272-7687
Email: res@crrtonline.com

Website: crrtonline.com

LEARNER OBJECTIVES

The CRRT conference provides a comprehensive review of advances in clinical care, research and technology in critical care medicine with a focus on the kidney and renal support techniques. The conference is designed to facilitate interdisciplinary interactions among caregivers involved in the management of patients in intensive care units. Physicians, nurses, pharmacists, nutritionists and other allied personnel from industry have opportunities to learn from each other. The conference utilizes a combination of invited lectures; case based small group workshops, debates, hands on interactive and simulation based workshops. Attendees have an opportunity to interact with the faculty through focused panel discussions and symposia.

At the end of this conference attendees should be able to:

1. Describe the recent advances in the pathophysiology and management of critically ill patients with a focus on sepsis, multi-organ failure, infections, lung and kidney injury in different settings.
2. Discuss the best ways to identify, treat and follow up patients with acute kidney injury (AKI) resulting from different causes utilizing biomarkers, imaging and lab studies and applying educational tools to raise awareness of AKI.
3. Describe the principles and practice of renal replacement techniques including CRRT, IHD and plasma exchange and demonstrate how to setup and use these techniques for managing critically ill patients.

ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of The University of California, San Diego School of Medicine and CRRT, Inc. The University of California, San Diego School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

The University of California, San Diego School of Medicine designates this live activity for a maximum of **35 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

BRN: For the purpose of recertification, the American Nurses Credentialing Center accepts *AMA PRA Category 1 Credits™* issued by organizations accredited by the ACCME. For the purpose of relicensure, the California Board of Registered Nursing accepts *AMA PRA Category 1 Credits™* (report up to **35** hours of credit and list "CME Category 1" as the provider number).

NEEDS ASSESSMENT

Several sources of information were utilized to identify the practice gaps prompting this educational conference. These include literature review of multiple publications in Pubmed, publications from the American Society of Nephrology, International Society of Nephrology, ERA-EDTA, Critical care societies and published KDIGO and European Best Practice and NICE guidelines and feedback from participants and faculty at prior CRRT conferences and discussions with the international organizing committee.

TARGET AUDIENCE

The CRRT target audience includes: MD/DOs, NP/PA/Nurses, Dieticians, Industry, Pharmacists, Residents and Fellows. Specialties include: Anesthesiology, Cellular & Molecular Medicine, Critical Care, Emergency Medicine, Family & Preventive Medicine, Geriatrics, and Internal Medicine.

CME INFORMATION

CME CREDIT

The following Workshops, Plenary Sessions and Electives will qualify for CME Credit:

MONDAY/TUESDAY, FEBRUARY 25 & 26, 2019

ELECTIVE: Practice Based Learning in CRRT

TUESDAY, FEBRUARY 26, 2019

ELECTIVES: Changing Paradigms in AKI, PW2 Practice Based Learning in CRRT

WEDNESDAY, FEBRUARY 27, 2019

MEET THE EXPERT SESSIONS, BREAKFAST SYMPOSIA, LUNCH SYMPOSIA

SESSION I: PATIENT CHARACTERISTICS

GROUP 1 - WORKSHOPS, GROUP 2 - WORKSHOPS

THURSDAY, FEBRUARY 28, 2019

MEET THE EXPERT SESSIONS, BREAKFAST SYMPOSIA, LUNCH SYMPOSIA

GROUP 3 - SIMULTANEOUS STANDARD WORKSHOPS

SESSION II: CONTROVERSIES IN CRITICAL CARE NEPHROLOGY

SESSION III: EMERGING CONCEPTS IN AKI AND RRT

FRIDAY, MARCH 1, 2019

MEET THE EXPERT SESSIONS

SESSION IV: IMPROVING OUTCOMES IN AKI

SESSION V: FUTURE TRENDS IN CRRT AND CRITICAL CARE

FACULTY DISCLOSURE

It is the policy of the University of California, San Diego School of Medicine to ensure balance, independence, objectivity and scientific rigor. All persons involved in the selection, development and presentation of content are required to disclose any real or apparent conflicts of interest. All conflicts of interest will be resolved prior to an educational activity being delivered to learners through one of the following mechanisms 1) altering the financial relationship with the commercial interest, 2) altering the individual's control over CME content about the products or services of the commercial interest, and/or 3) validating the activity content through independent peer review. All persons are also required to disclose any discussions of off label/unapproved uses of drugs or devices. Persons who refuse or fail to disclose will be disqualified from participating in the CME activity.

CULTURAL AND LINGUISTIC COMPETENCY

This activity is in compliance with California Assembly Bill 1195 which requires continuing medical education activities with patient care components to include curriculum in the subjects of cultural and linguistic competency. Cultural competency is defined as a set of integrated attitudes, knowledge, and skills that enables health care professionals or organizations to care effectively for patients from diverse cultures, groups, and communities. Linguistic competency is defined as the ability of a physician or surgeon to provide patients who do not speak English or who have limited ability to speak English, direct communication in the patient's primary language. Cultural and linguistic competency was incorporated into the planning of this activity. Additional resources on cultural and linguistic competency and information about AB1195 can be found on the UCSD CME website at <http://cme.ucsd.edu>.

CANCELLATION POLICY

If your registration must be cancelled, your fee, less \$100 U.S. for administrative costs, will be refunded upon your written request. No refunds will be made after **February 7, 2019**. Allow 6-8 weeks for refund.

CONFERENCE OFFICE

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Email: crct@res-inc.com

Website: www.crtonline.com

PROGRAM

MONDAY & TUESDAY, FEBRUARY 25 & 26

11:30am-7:00pm Conference Registration Open

PRE-CONFERENCE ELECTIVE WORKSHOP - (CME Available)

(see page 3 for elective workshop fees)

Practice Based Learning in CRRT: The Science and the Art

This workshop is designed to provide participants with the knowledge and understanding for the effective utilization of CRRT to manage critically ill patients. Session 1 on Monday focuses on the fundamentals of CRRT including the components, operational characteristics and characteristics, solute and fluid management and monitoring. Session 2 on Tuesday will utilize case based discussions and interactive sessions to illustrate the underlying concepts for application of CRRT in different situations. Delegates will participate in group exercises to apply their learning for the management of complex cases. At the end of this workshop participants will have an improved understanding of how to utilize CRRT for optimizing renal support. A quiz will be administered pre-and post- course for assessment.

Learning Objectives:

- Describe the underlying concepts and review the process of decision making for prescribing and delivering CRRT
- Learn machine set-up for different modalities, alarm conditions, troubleshooting, monitoring and charting
- Utilize the tools provided to manage complex cases

Co-Chairs: Ashita Tolwani, MD and Jorge Cerda, MD

MONDAY, FEBRUARY 25 - SESSION 1 (all workshop attendees)

- 1:45-2:00pm **Opening Remarks** - Ashita Tolwani, Jorge Cerda
2:00-2:30 **Pre-Test** - Ashita Tolwani, Jorge Cerda
2:30-3:00 **Access, Membrane, Circuit** - Michael Connor
3:00-3:30 **Modality & Dose** - Jorge Cerda
3:30-4:00 **Anticoagulation** - Ashita Tolwani
4:00-4:15 *Coffee Break*
4:15-4:45 **Solutions and Fluid Balance** - David Selewski
4:45-5:15 **Monitoring** - Eileen Lischer
5:15-6:00 **Interactive Case Discussion** - Ashita Tolwani and CRRT Faculty
6:00 pm **Adjourn**

*Second Day Added!
Our CRRT Workshop is now a
2 day event.
- Monday and Tuesday -*

TUESDAY MORNING, FEBRUARY 26 - SESSION 2

Physician Track

- 8:00-8:40am **Patient Selection**
Jorge Cerda
8:40-9:00 **Drug Dosing and Adjustments**
Linda Awdishu
9:00-10:00 **Correcting Acid Base Abnormalities**
David Selewski
10:00-10:20 *Coffee Break*
10:20-11:00 **Managing Hypo and Hypernatremia**
Ashita Tolwani
11:00-11:40 **Adjusting Nutrition**
Michael Connor
11:40-12:00 **Achieving Survival and Recovery**
Stuart Goldstein

Nurse Track

- 8:00-8:40am **Orders, Charting and Monitoring**
TBD
8:40-9:20 **CRRT in the Operating Room**
Noel Oabel
9:20-10:00 **CRRT for Pediatric Applications**
Theresa Mottes
10:00-10:20 *Coffee Break*
10:20-11:00 **Patient Mobilization and Rehabilitation** - Eileen Lischer
11:00-11:40 **Integrating Multidisciplinary Support Team for CRRT Delivery**
Linda Awdishu
11:40-12:00 **Developing Quality Measures for CRRT Delivery** - Eileen Lischer

12:00-1:00pm

*Lunch Hosted by Conference for Workshop Participants
Workshop schedule continues on following page*

Practice Based Learning in CRRT: The Science and the Art

TUESDAY AFTERNOON, FEBRUARY 26 - SESSION 2 *continued*

1:10-4:00 INTERACTIVE TRACKS

These sessions will have nurses, physicians and pediatric tracks. Physicians will be guided on user interfaces and the strategies for prescribing dose for solute and fluid management, adjustments in therapy parameters, recognition and management of complications. Nurses will learn how to set up for different modalities and adjust and monitor for therapy delivery based on the prescription.

Physicians Track

Session 1

Circuit, Anticoagulation and Monitoring

Ashita Tolwani, Noel Oabel

Session 2

Dose / Fluid / Documentation / Recognizing and Managing Complications

Michael Connor, Jim Athanasen

Session 3

Prescription / Order Sets / Decision Making / Coordination of Care

Jorge Cerda, Linda Awdishu

Session 4

Monitoring, Alarms and Connections with Other Therapies

Keith Wille, Katrina Eggleston

Nursing Track

Session 1

Machine Priming, Circuit Set Up, Programing to Match Orders

Katrina Eggleston

Session 2

Implementing Therapy Delivery Dose Adjustments, Fluid Balance

Eileen Lischer

Session 3

Therapy Monitoring and Troubleshooting Alarms, Therapy Discontinuation

Noel Oabel

Session 4

Connectology with Hybrid Systems ECMO, ECCOR, Apheresis

Isagani Marquez

Pediatric Track

Modality Selection, Circuit Modifications, Therapy Dosing, Monitoring, Adjustments for Targeted Interventions

David Askenazi, Stuart Goldstein, David Selewski, Theresa Mottes

4:00-4:15

Coffee Break

4:15-4:55

Interactive Clinical Case (Decision Making) - (Ashita Tolwani and CRRT Faculty)

5:00-5:30

Post-test and Wrap-up

5:30

Adjourn

5:30-7:30pm

Tuesday Evening Reception & Poster Review - *For All Conference Attendees*



PRE-CONFERENCE AKI SYMPOSIUM (CME Available)*(see page 3 for elective symposium and workshop fees)***Changing Paradigms in Acute Kidney Injury:
From Mechanisms to Management***Presented by UAB/UCSD O'Brien Center for AKI Research**CRRT Conference registration is NOT required for this elective symposium. See page 4 for details.*7:55 am **Opening Remarks** - Ravindra Mehta, MD**PLENARY 1 Molecules, Mechanisms and Targets***Co-Chairs: Anupam Agarwal, MD and Bruce Molitoris, MD*8:00-8:20 **TGF- β in the AKI to CKD Transition** - Leslie Gewin8:20-8:40 **Pannexins in Acute Kidney Injury** - Mark Okusa8:40-9:00 **Single Cell Transcriptomics in AKI and CKD** - Benjamin Humphreys9:00-9:20 **Regulatory B Cells and Natural IgM in AKI** - Peter Lobo9:20-9:40 **The Kidney is Out of Breath in AKI** - Can Ince9:40-10:00 **Discussion**10:00-10:15 *Coffee Break***PLENARY 2 Of Mice and Men: Harmonizing Human and Animal AKI***Co-Chairs: Paul Sanders, MD and Volker Vallon, MD*10:15-10:35 **Molecular Characterization of the Transition from AKI to CKD** - Andrew McMahon10:35-10:55 **Impact of Metabolism on Surviving Sepsis: Implications for Sepsis-induced AKI**
Sarah Huen10:55-11:15 **HDAC Inhibition for Prevention of Fibrosis Following Sepsis-induced AKI** - John Kellum11:15-11:35 **Epigenetic Regulation in AKI** - Zheng Dong11:35-11:55 **Renin-Angiotensin-Aldosterone System: Good for the Kidney** - Matthieu Legrand11:55-12:15 **Discussion**12:15-1:15 pm *Lunch Hosted by Conference***PLENARY 3 Bench to Bedside: Translating Discoveries to Clinical Care***Co-Chairs: Patrick Murray, MD and Kathleen Liu, MD*1:15-1:35 **Successfully Testing AKI Therapies in CKD Models** - Bruce Molitoris1:35-1:55 **Metabolic Stress in AKI: From Mouse to Man** - Samir Parikh1:55-2:15 **Tubular Health Characterization in AKI** - Etienne Macedo2:15-2:35 **AKI in Kidney Transplants: New Insights** - Roslyn Mannon2:35-2:55 **Renal Injury During Preclampsia: Role of Extracellular Vesicles** - Vincenzo Cantaluppi2:55-3:15 **Discussion**3:15-3:30 *Coffee Break***PLENARY 4 Controversies in AKI***Co-Chairs: Claudio Ronco MD and Stuart Goldstein, MD*3:30-3:50 **AKI following Cardiac Surgery: A Clinical Model** - Frederic Billings3:50-4:10 **Renal Immune Surveillance in AKI** - Daniel Muruve4:10-4:30 **Remote Ischemic Preconditioning: Fact or Fantasy?** - Alex Zarbock4:30-4:50 **Targeting AKI Using Biomarker Combinations** - Rajit Basu4:50-5:10 **Phenotyping Acute Kidney Disease- ATN vs. AIN?** - Chirag Parikh5:10-5:30 **Discussion**5:30 **Adjourn**5:30-7:00pm **Tuesday Evening Reception & Poster Review** - For All Conference Attendees

WEDNESDAY MORNING, FEBRUARY 27

z 7:00am-4:30pm Conference Registration Open

7:00-8:15am **MEET THE EXPERT - Breakfast Sessions (CME Available)**
(elective sessions, choose one, see pg. 4 for fees/details)

Session 1 (ME1) - How I Treat Septic Shock

Jean Louis Vincent and Kathleen Liu

Session 2 (ME2) - How do I Manage the Fluid Overloaded Patient?

Stuart Goldstein and Sean Bagshaw

7:00-8:15am **BREAKFAST SYMPOSIA - (CME Available, Seating is LIMITED)**
(continental breakfast provided by conference, selection made during registration)

Symposium A - Drug Induced Kidney Injury in the Critically Ill Patient

Linda Awdishu (*Moderator*)

Patrick Murray and Melanie Joy (*Discussants*)

Patients in the ICU are exposed to several different drugs to treat the underlying disease and support organ function. This symposium will highlight the practical aspects of drug handling in critically ill patients and illustrate how patients should be evaluated for risk for drug induced kidney injury, how should they be dosed and monitored for adjustments in drug dosing.

Symposium B - Therapeutic Challenges in AKI and CKD:

Managing Hypo and Hyperkalemia

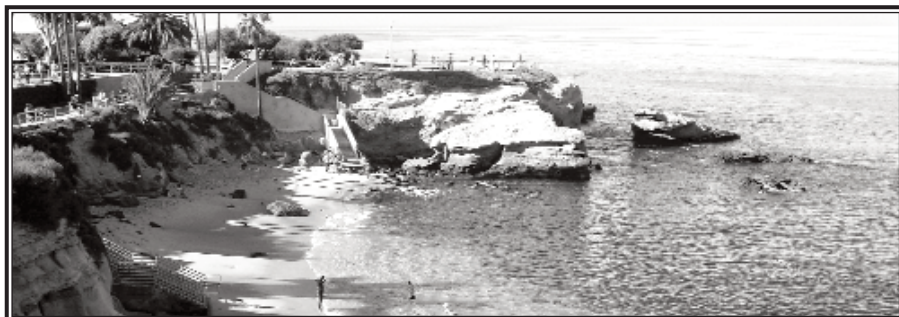
Ron Wald (*Moderator*)

Qi Qian and Andrew Lewington (*Discussants*)

This symposium will cover the pathophysiology and management of hypo and hyperkalemia in critically ill patients using illustrative cases. What are the newer therapeutic drugs available and how should they be used When and how should RRT be used in these situations?

SESSION I: PATIENT CHARACTERISTICS (CME Available)

8:20-10:30am	Plenary 1 - MINI-SYMPOSIA Organ Dysfunction in the Critically Ill Patient: Emerging Concepts	9:15-9:30	Vasoplegic Shock: Definitions and Pathophysiology Lui Forni
<i>Co-Chairs:</i>	Kathleen Liu and Noel Gibney	9:30-9:45	Hepatorenal Syndrome: Does it Exist? Mitra Nadim
8:20-8:30	Opening Remarks Ravindra L Mehta	9:45-10:00	Metabolic Acidosis in the Critically Ill Patient Ron Wald
8:30-8:45	Hemodynamics of the Septic Kidney Matthieu LeGrand	10:00-10:30	SPECIAL LECTURE New Advances in the Treatment of Sepsis Jean Louis Vincent
8:45-9:00	The Kidney in Heart Failure: Victim or Culprit? Salvatore di Somma	10:30-11:00	<i>Coffee Break</i> <i>Faculty Picture</i>
9:00-9:15	The Pathogenesis of Vascular Barrier Dysfunction Can Ince		



STANDARD WORKSHOPS - GROUP 1 (CME Available for All)

Open to all participants - applicable to physicians, nurses and allied personnel

Codes: C= Core workshop, I = Intermediate, A = Advanced, N= Nurses, AP= Nurses & Allied Personnel
Workshops presented in a series are marked with a "1" for a primary discussion and "2" for a more complex or advanced discussion in the topic. Series workshops 1 and 2 can be taken subsequently (following each other) or independently (e.g. workshop 1 can be taken without taking workshop 2 and vice versa).

Workshop Tracks

A: Biomarkers; B: CRRT Technique; C: Critical Care Topics ; D: Organ Support ; E: Nursing; F: Plasma Exchange, Hybrid Techniques and Pediatric Applications

11:00am-12:30pm GROUP 1 - SIMULTANEOUS STANDARD WORKSHOPS (choose one)**A01 Who Should Get a Kidney Biomarker Assessment? (C,N,AP)**

Several biomarkers are now available to assess kidney function and damage. Which patients should get these assessments and how should these be applied will be discussed in this case based workshop.

(Koyner, Basu, Zarbock)

B02 Optimizing the CRRT Circuit (Access, Anticoagulation and Assessments) (C,N,AP)

Keeping the CRRT circuit open and working efficaciously requires a consideration of several factors including the access, membrane and anticoagulation. This workshop will highlight the best practices for maintaining and monitoring the circuit. *(Tolwani, Askenazi, Baldwin)*

C03 Assessment of Fluid Responsiveness, Hemodynamic Monitoring and Targets (C,N)

Determining which patient needs fluids, what type and how much are key questions to be addressed in this workshop which will cover the principles and strategies for volume assessment, hemodynamic and microcirculatory monitoring in critically ill patients. *(Vincent, Ince, Selewski)*

D04 Managing Patients with Combined Kidney and Liver failure (C,N,AP)

Patients with combined liver and kidney failure are difficult to manage. This workshop will discuss the pathophysiology and illustrate best approaches for differential diagnosis and management of these patients. *(Nadim, Deep)*

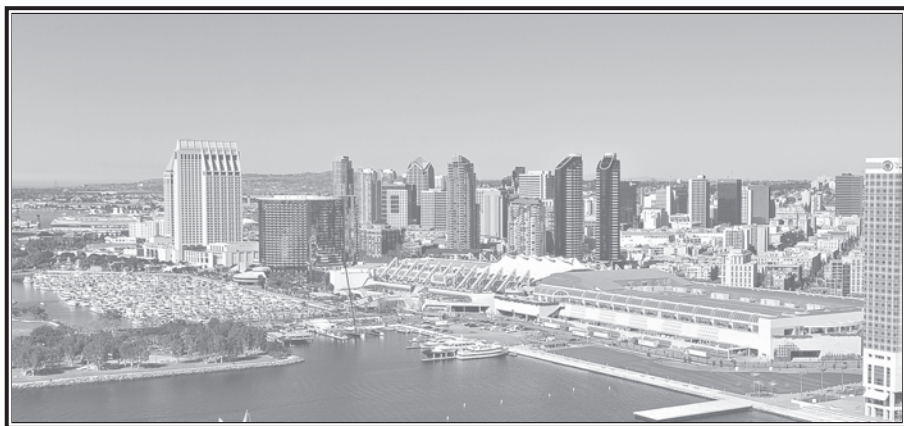
E05 Establishing and Maintaining Core Competencies for Nurses for CRRT (I,N,AP)

Competency based education and training are a key feature to establish an efficient CRRT program. This workshop will discuss the core curriculum for nursing education, training and skills assessment for performing CRRT and hybrid techniques. *(Lischer, Mottes)*

F06 Principles, Applications and Practical Issues of Plasma Exchange (C,N,AP)

Plasma exchange (PE) is increasingly utilized in the ICU with CRRT and other extracorporeal techniques. This workshop will describe the best approaches for applying PE I critically ill patients. *(Noiri, Sanchez, Marquez)*

12:30-2:00pm *Lunch*



12:30-2:00pm **LUNCH SYMPOSIA - (CME Available, Seating is LIMITED)**
Lunch provided by conference, selection made during registration. Please note, these are the only lunch options provided on Wednesday

W1 Citrate Anticoagulation for CRRT: Techniques and Results

Moderators: Stu Goldstein and David Ward

Regional citrate anticoagulation (RCA) is increasingly utilized for CRRT and many techniques are now used. Advances in technology have enabled automated citrate anticoagulation. However, concerns remain about its ease of use and application in patients with liver failure and reduced tissue perfusion. This symposium will discuss the best approaches for utilizing RCA for CRRT.

The Why, How and What of Citrate Anticoagulation - Ashita Tolwani

Automated Citrate Delivery: Does it Work? - Matthieu LeGrand

Metabolic Consequences of Citrate - Marlies Ostermann

W2 Phenotypes of Shock: Which Fluid, Which Vasopressor?

Moderators: John Prowle and Jean-Louis Vincent

There is increasing evidence that different patient respond differently to fluids and vasopressor management for shock. This symposium will discuss how best we may identify phenotypes to personalize fluid type (colloids and crystalloids and blood products) and volume and vasopressor management in shock patients to improve outcomes.

Fluid Responsiveness Phenotypes: Lessons from ARDS Trials - Kathleen Liu

Shock States Differ in Response to Vasopressors - Lui Forni

Is the Microcirculation the Appropriate Target for Fluids and Vasopressors? - Can Ince

W3 Extracorporeal Organ Support (ECOS) for Multi Organ Failure and Sepsis

Moderators: Patrick Honoré and Akash Deep

Membrane characteristics have evolved to enhance the removal of solutes of different sizes and configurations providing novel methods for blood purification. This symposium will cover the recent advances in this field and discuss how best to utilize these techniques.

Advances in Membrane Technology - Claudio Ronco

Sorbent Based Toxin Removal- John Kellum

Apheresis Techniques: Do They Have a Role? - Eisei Noiri

W4 Quality Metrics in AKI and CRRT: Establishing Benchmarks

Moderators: Jorge Cerda and Nick Selby

AKI is a complex disease that requires multidisciplinary interventions however there are currently limited measures to assess quality of care for AKI management. This symposium will discuss the recommendations from the ADQI 22 meeting and highlight some of the practical issues for implementing a quality program for AKI and CRRT

Quality of Care in AKI: What are the Consensus Recommendation from ADQI?

Kianoush Kashani

Implementing a Quality Program for AKI in your ICU: Lessons from Pediatrics

Theresa Mottes

What Benchmarks Should We Use for Measuring Quality in CRRT? - Sean Bagshaw

STANDARD WORKSHOPS - GROUP 2 (CME Available for All)

2:00-3:30pm **GROUP 2 - SIMULTANEOUS STANDARD WORKSHOPS** (choose one)

- A07 Can Kidney Biomarkers Help Timely Interventions and Prognostication? (C,N,AP)**
 Clinicians need to determine when a specific intervention is needed and what is the likelihood of modifying the disease course. This workshop will discuss how novel renal biomarkers can be leveraged to guide specific interventions in patients with AKI in different settings. (Murray, Koyner, diSomma)
- B08 Can We Achieve Precision Solute Control with CRRT? (I,N,AP)**
 CRRT techniques have evolved with availability of new technology to customize dialysis delivery. This interactive case based workshop will discuss how to apply the technology for dose adjustments, monitoring for adequacy, modality selection and transitions in CRRT. (Claure, Ronco, Selewski)
- C09 Starting, Transitioning and Stopping RRT for AKI: Science and Art (A)**
 One of the most vexing issues for clinicians is determining when to initiate RRT in critically ill patients, when and how to transition modalities and when it can be stopped. This workshop will use case studies to explore various approaches and establish the principles for clinical decisions for renal support. (Macedo, Mehta)
- D10 Managing Patients with Sepsis: Can We Modify the Course with Extracorporeal Organ Support (ECOS) (C,N,AP)**
 Septic patients often require ECOS to allow time for recovery. This workshop covers the rationale and strategies for the practical application of extracorporeal support techniques for sepsis. Case studies will be utilized to delineate different options. (Honoré, Basu, LeGrand)
- E11 Infection Control for Extracorporeal Organ Support (ECOS) Techniques (I,N,AP)**
 Patients undergoing ECOS are at a high risk for infections and require a concerted effort for surveillance, primary prevention and early interventions. This case based workshop will discuss the current guidelines for infection control for patients on ECOS. (Aslam, Lischer, Mottes)
- F12 Pediatric and Adult AKI and CRRT: Collaborations Across the Age Spectrum (I,N,AP)**
 Although pediatric and adult patients have similar indications for CRRT the therapy application varies considerably. This workshop will highlight the best practices for CRRT application across the age spectrum. (Ronco, Goldstein, Askenazi)

3:30-4:00pm

Coffee Break

SESSION I: PATIENT CHARACTERISTICS - continued (CME Available)

- | | | | |
|-------------|---|-------------|---|
| 4:00-6:00pm | Plenary 2 - MINI-SYMPOSIA
<i>Acute Kidney Injury (AKI): Pathophysiology</i> | 5:00-5:15 | Role of Repair Biomarkers in AKI
Chirag Parikh |
| Co-Chairs: | Jay Koyner and Bruce Molitoris | 5:15-5:30 | Mechanisms of Drug Induced AKI
Melanie Joy |
| 4:00-4:15 | Is Atypical HUS Masquerading as Sepsis-induced AKI?
John Kellum | 5:30-6:00 | SPECIAL LECTURE
Informatics in Disease Management: What Will the Future Hold?
Michael Hogarth |
| 4:15-4:30 | Extracellular Vesicles in AKI: What do They Tell us?
Vincenzo Cantaluppi | 6:00pm | Adjourn |
| 4:30-4:45 | AKI in Neonates: Lessons Learnt
David Askenazi | 6:00-8:00pm | EXHIBIT RECEPTION AND POSTER SESSION |
| 4:45-5:00 | Urinary Sediments in AKI Detection and Differentiation
Li Yang | | |

Make your hotel reservations early at crrtonline.com

Or call the hotel directly. Mention you are a delegate to the AKI & CRRT Conference to receive the group rate.

Manchester Grand Hyatt 1-619-232-1234



7:00am-4:30pm Conference Registration Open

7:00-8:15am **MEET THE EXPERT - Breakfast Sessions (CME Available)**

(elective sessions, choose one, see pg. 4 for fees/details)

Session 3 (ME3) - How I Use AKI Biomarkers in My Practice

Claudio Ronco and Alex Zarbock

Session 4 (ME4) - What Blood Pressure do I Target in My ICU Patients?

John Kellum and Patrick Murray

7:00-8:15am **BREAKFAST SYMPOSIA - (CME Available, Seating is LIMITED)**

(continental breakfast provided by conference, selection made during registration)

Symposium C - Innovations in Caring for Patients with Dysnatremias

Kianoush Kashani (*Moderator*)

Qi Qian and Andrew Lewington (*Discussants*)

Dysnatremias are commonly encountered in ICU patients and are often difficult to manage. This symposium will cover the pathophysiology of hypo and hypernatremia and discuss the practical issues for management of these disorders with novel agents and describe how RRT can be used for severe disorders.

Symposium D - Managing AKI in the Patient with Cancer

Marlies Ostermann (*Moderator*)

Mitch Rosner and Melanie Joy (*Discussants*)

The number of anticancer drugs are increasingly expanding and commonly cause kidney injury. This symposium will discuss how to prevent drug nephrotoxicity, adjust doses of anticancer medicines and manage patients who develop AKI in the setting cancer therapy.

STANDARD WORKSHOPS - GROUP 3 (CME Available for All)

8:15-9:45am **GROUP 3 - SIMULTANEOUS STANDARD WORKSHOPS** *(choose one)*

A13 Preventing AKI: From Surveillance to Intervention (C,N,AP)

This workshop will describe the current status of methods to identify patients at high risk for AKI and techniques for electronic surveillance. Strategies and tools for preventing AKI in different settings will be discussed. *(Lewington, Kashani, Basu)*

B14 Personalized Fluid Management with CRRT (A)

Achieving fluid balance and maintaining plasma composition is key for effective CRRT. This workshop will use case studies to discuss strategies for fluid management in CRRT to achieve patient driven outcomes for fluid, electrolyte and acid base balance. *(Prowle, Mehta)*

C15 Drug Dosing in RRT: Management Strategies (A,N)

Patients receiving RRT in the ICU are in multiple drugs which are affected by the procedures and require adjustments to ensure an adequate exposure. This workshops will focus on the principles for appropriate drug dosing and adjustments in patients on RRT. *(Joy, Murray, Goldstein)*

D16 Managing the Heart Failure Patient with Worsening Renal Function (WRF) (A,N)

Patients with advanced heart failure often develop WRF. It is often difficult to determine which patients can be managed with drug therapy vs requiring RRT. This workshop will describe the practical application and results of different methods to treat heart failure and cardio-renal syndrome including ultrafiltration techniques. *(diSomma, McCullough)*

E17 Nursing Track (E Series) Intraoperative RRT: Strategies for Success (I,N,AP)

When is RRT needed in the operating room? Practical issues in setting up and implementing a program will be discussed using a case based approach. *(Bagshaw, Oabel, Awdishu)*

F18 Pediatric AKI and CRRT: How do I Care for My Patient and My Program? (I,N,AP)

Review and discussion of best practices to develop your pediatric AKI and CRRT program, identify and treat your young patients with AKI, and to assure delivery of high-quality care in the pediatric setting. *(Mottes, Selewski)*

9:45-10:15am

Coffee Break

SESSION II: CONTROVERSIES IN CRITICAL CARE NEPHROLOGY (CME Available)

<p>10:15am-12:30pm Plenary 3 - MINI-SYMPOSIA <i>Challenges in ICU Management</i> <i>Co-Chairs:</i> John Prowle and Rajit Basu</p>	<p>11:15-11:30 Deresuscitation in Critically Ill Patients with AKI Sean Bagshaw</p>
<p>10:15-10:30 Early Resuscitation of the Unstable Patient: When and How? Jean-Louis Vincent</p>	<p>11:30-11:45 Novel Bacteriophage Therapy for Critical Infections Saima Aslam</p>
<p>10:30-10:45 Should Saline be Out of the ICU? Mathieu LeGrand</p>	<p>11:45-12:15 SPECIAL LECTURE <i>Translating to Management Award TBD</i></p>
<p>10:45-11:00 Fluid Overload - Iatrogenesis Imperfecta David Selewski</p>	<p>12:15-12:30 Top Abstract Awards</p>
<p>11:00-11:15 Mobilization in the ICU: Fact or Fantasy? Noel Gibney</p>	

12:30-2:00pm **LUNCH SYMPOSIA - (CME Available for T1, T2, T3 & T4, Seating is LIMITED)**
(lunch provided by conference, selection made during registration)

T1 Precision Medicine for All: Challenges and Opportunities for Critical Illness

Moderators: Melanie Joy and Patrick Murray

Precision medicine aims to lead to personalized treatment and improved outcomes. However its application in AKI and critical care faces many challenges including patient characterization and specific targets for timely interventions. This session will discuss approaches to address these challenges and provide a framework for achieving personalized care.

Can We be Precise for Critical Care? - John Kellum

Endophenotypes in AKI: Path to Precision Interventions? - Chirag Parikh

Should We Focus on Personalized Medicine Rather than Precision? - Jean-Louis Vincent

T2 Hydration and Kidney Health

Moderator: Vincent Wu and Raj Chakaravarthi

Fluid administration is the commonest approach to manage patients with perceived renal dysfunction. However is this the correct approach for all patients? This symposium will review the evidence for our current strategy and provide guidance on best practices to manage patients with fluids to improve kidney function.

Fluid Therapy for AKI: When, How and What? - Qi Qian

AKI and Exercise: The Good, the Bad and the Ugly - Emmanuel Burdmann

Vasopressin and Kidney Injury - Magdalena Madero

T3 Imaging Techniques in Critically Ill Patients with Kidney Disease

Moderators: Mitra Nadim and Nattachai Srisawat

Patients with kidney dysfunction evoke concern whenever an imaging study is needed. This session will deliberate some of the common issues for evaluating patients with different imaging techniques.

Should We Avoid Radiocontrast Enhanced Imaging? - Mitch Rosner

What is the Role of MRI? - Nick Selby

Imaging Considerations in High Risk Oncology Patients? - Chaan Ng

T4 Targeting Renal Recovery from Critical Illness

Moderators: Rajit Basu and Jorge Cerda

Non-recovery from AKI is associated with a high mortality, cardiovascular disease and increased resource utilization. There is great need to target interventions to improve recovery from AKI. This symposium will discuss the key issues in this area.

How Should We Monitor for Renal Recovery? - John Prowle

Do We Have Biomarkers that Predict Recovery? - Jay Koyner

Caring for the AKI survivor: What is Required? - Ron Wald

THURSDAY AFTERNOON, FEBRUARY 28

SESSION III: EMERGING CONCEPTS IN AKI AND RRT *(CME Available)*

<p>2:00-3:45pm Plenary 4 - MINI-SYMPOSIA <i>Novel Strategies in AKI Management</i> <i>Co-Chairs:</i> Ron Wald and Andrew Lewington</p> <p>2:00-2:15 Cardiorenal Syndrome: What Have We Learned? Peter McCullough</p> <p>2:15-2:30 Vitamin D Regulation in AKI: Opportunity to Intervene? Marlies Ostermann</p> <p>2:30-2:45 Why are Some People Resistant to AKI? John Kellum</p> <p>2:45-3:00 Does AKI Always Lead to CKD and Premature Death? Chirag Parikh</p> <p>3:00-3:15 Renal Functional Reserve: A Target for Intervention? Claudio Ronco</p> <p>3:15-3:30 Clinical Prediction Rules: Can We Improve? Lui Forni</p> <p>3:30-3:45 Subphenotypes for AKI: Where are We Headed? Ravindra L Mehta</p> <p>3:45-4:15 <i>Coffee Break</i></p>	<p>4:15-6:00pm Plenary 5 - MINI-SYMPOSIA <i>Challenges and Controversies in Renal Support and CRRT</i> <i>Co-Chairs:</i> Ashita Tolwani and David Selewski</p> <p>4:15-4:30 Volume First in the Management of Patients with AKI Receiving RRT? Ron Wald</p> <p>4:30-4:45 Calcium Containing Solutions for Citrate CRRT: Does it Work? Ravindra L Mehta</p> <p>4:45-5:00 Antibiotic Dosing in Patients on RRT: Are We Doing it Right? Linda Awdishu</p> <p>5:00-5:30 SPECIAL LECTURE Quality of Care for AKI: Highlights from ADQI 22 Mitch Rosner and Kianoush Kashani</p> <p>5:30-6:00 Viewpoints: Biomarker Based Management of AKI: Are We Ready <i>No We Don't Have Enough Data -</i> Matthieu LeGrand <i>We are Not Sure -</i> Chirag Parikh <i>Yes Absolutely -</i> Alex Zarbock <i>Moderator -</i> Claudio Ronco</p> <p>6:00 Adjourn - Free Evening</p>
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AKI&CRRT 2019
Feb. 26-Mar 1, 2019

AKI&CRRT 2020
February 25-28, 2020

AKI&CRRT 2021
March 2-5, 2021



FRIDAY MORNING, MARCH 1

- 7:00am-1:00pm Conference Registration Open
- 6:45-8:00am **MEET THE EXPERT - Breakfast Sessions (CME Available)**
(elective sessions, choose one, see pg. 4 for fees/details)
- Session 5 (ME5) - When do I Start RRT in My ICU**
 Claudio Ronco and Marlies Ostermann
- Session 6 (ME6) - How do I Manage Oliguria**
 Lui Forni and Mathieu LeGrand
- 7:30-8:00am *Coffee Served*

SESSION IV: IMPROVING OUTCOMES IN AKI (CME Available)

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| <p>8:00-10:30am Plenary 6 - MINI SYMPOSIA
 Global Burden of AKI</p> <p><i>Co-Chairs:</i> Marlies Ostermann and Eisei Noiri</p> <p>8:00-8:15 Pediatric AKI Around the World: A Neglected Disease?
 Jorge Cerda</p> <p>8:15-8:30 Neglected Tropical Diseases and AKI: An Escalating Problem
 Emmanuel Burdmann</p> <p>8:30-8:45 Long-term Prognosis and Medical Treatment After AKI
 Vincent Wu</p> <p>8:45-9:00 Using Mobile Health for Early AKI Recognition
 Rolando Claire-Del Granado</p> <p>9:00-9:15 AKI in Southeast Asia: Patterns of Care
 Nattachai Srisawat</p> | <p>9:15-9:30 Disaster Management for Kidney Patients: What Have We Learnt?
 Noel Gibney</p> <p>9:30-9:45 Renal Replacement in Liver Failure: Bridge to Liver Transplant or Liver Regeneration
 Akash Deep</p> <p>9:45-10:00 Drug-induced AKI: Improving Diagnostic and Preventive Strategies in China
 Li Yang</p> <p>10:00-10:15 Preventing AKI in Resource Poor Regions: The Role of Clean Water
 Etienne Macedo</p> <p>10:15-10:30 Clinical-pathological Correlations in AKI
 Raj Chakravarthi</p> <p>10:30-11:00 <i>Coffee Break</i></p> |
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SESSION V: FUTURE TRENDS IN CRRT AND CRITICAL CARE (CME Available)

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|---|--|
| <p>11:00am-1:00pm Plenary 7
 MINI SYMPOSIA
 Emerging Strategies in AKI and Extracorporeal Support</p> <p><i>Co-Chairs:</i> Vincent Wu and Jorge Cerda</p> <p>11:00-12:30 Update from Ongoing and Late Breaking Trials
 <i>15 minutes each</i></p> <p>1. Reducing Intradialytic Hypotension: Colloids vs Crystalloids?
 Etienne Macedo</p> <p>2. IV Fluid Resuscitation: The VOLUME-CHASER Study
 Kianoush Kashani</p> <p>3. ARDS Trials: An Update
 Kathleen Liu</p> <p>4. Early vs Standard Initiation of RRT: The FST Trial
 Nattachai Srisawat</p> | <p>5. Complex Interventions for AKI - Lessons from the Tackling AKI Study
 Nick Selby</p> <p>6. Sorbent Based Therapies for MOF
 Patrick Honoré</p> <p>7. Predicting AKI Recovery: The RUBY Trial
 John Kellum</p> <p>12:30-12:55 Critical Care Nephrology: Literature Review
 Noel Gibney</p> <p>12:55-1:00 Closing Remarks
 Ravindra L. Mehta
 <i>Chairman</i></p> <p>1:00pm Conference Adjourns</p> |
|---|--|