

20TH
ANNIVERSARY

THE 20TH INTERNATIONAL CONFERENCE ON ADVANCES IN CRITICAL CARE NEPHROLOGY

AKI & CRRT 2015

FEBRUARY 17-20, 2015 SAN DIEGO, CALIFORNIA USA



MANCHESTER GRAND HYATT

Updates in ICU Medicine: Controversies, Challenges and Solutions

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



Jointly Provided by

UC San Diego
SCHOOL OF MEDICINE

and

CRRT, INC.

crrtonline.com

Abstract Deadline:
Dec. 10, 2014

Dear Colleague,

We would like to invite you to join us for the upcoming **20th International Conference on Advances in Critical Care Nephrology - AKI&CRRT 2015**.

The CRRT Conference continues to provide a comprehensive coverage of the rapidly developing field of Critical Care Nephrology and CRRT. It highlights the recent advances in our understanding of pathophysiology of critical illness, acute kidney injury, emerging strategies in the management of sepsis, multiorgan failure, development and use of biomarkers, technical advances in CRRT and the appropriate utilization of these techniques. This year's program presents exciting new developments and evidence for assessing critically ill patients, pathophysiology of liver dysfunction and AKI, and dialysis support for EBOLA. A mix of invited lectures, controversies, interactive workshops, tutorials, poster sessions and panel discussions are planned to continue the tradition of multidisciplinary interactions.

Again this year we are offering a Pre-Conference AKI Symposium titled **Changing Paradigms in Acute Kidney Injury: From Mechanism to Management**. The workshop will provide a comprehensive review of the most recent developments in the field and include the proceedings from the 13th ADQI conference on harmonizing basic and clinical research in AKI. We hope that this course will provide participants an opportunity to interact with experts in the field and emerge with a better understanding of this rapidly evolving area.

2015 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, Microcirculation & Oxidative Stress, Infections

- **Raising Awareness of Acute Kidney Injury (AKI)**

The ISN AKI 0by25 initiative Global snapshot of AKI, the Global Burden of Disease, Strategies for Raising Awareness and Providing Tools for Education and Training, Creating Infrastructure for Dialysis in Resource Poor Countries

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

EGDT for AKI Care, Antibiotic Nephrotoxicity, Mobilizing the Critically Ill Patient, RRT for End Stage Liver Disease, Sedation and the Kidney

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

When to Start and Stop, Fluid Management, Citrate Anticoagulation, RRT for Liver Support and Heart Failure, Pharmacokinetics of Antibiotics, Quality Measures

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

Risk Stratification, Surveillance, Diagnosis, Targeted Intervention and Prognosis

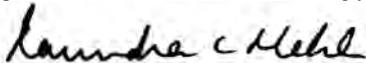
- **Special Sessions for Nurses and Allied Personnel**

Skills Assessment, Hands-on Workshops on CRRT, Plasma Exchange and Peritoneal Dialysis, Establishing Quality Metrics for RRT in AKI

- **Special Pre Conference AKI Symposium and Workshops**

*New this year are two dedicated hands-on workshops **Practice Based Learning in CRRT** that will use simulations to train participants on setting up and delivering CRRT. The **PD for AKI** workshop will utilize training tools to allow participants to learn how to place catheters for PD and implement PD as a therapy for AKI. Interactive workshops on plasma exchange and hybrid sorbent therapies provide additional opportunities for learning*

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 20th time.



Ravindra L Mehta, MBBS MD DM FACP FRCP(UK)
Chairman, Organizing Committee

AKI&CRRT 2015

Endorsed by



The International Society of Nephrology



Acute Kidney Injury Network

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Hiroyuki Hirasawa, MD, PhD

CANADA

Noel Gibney, MD

IMPORTANT CONFERENCE DATES

| | |
|--|----------------------|
| Abstract Submission (see page 7) | Now Open |
| Online Registration Begins | November 5, 2014 |
| Deadline for Receipt of Abstracts (see page 7) | December 10, 2014 |
| Notification of Abstract Acceptance | January 2, 2015 |
| Deadline for Early Bird Registration | January 5, 2015 |
| Hotel Reservation Deadline | February 9, 2015 |
| On-site Registration Fees Begin | February 3, 2015 |
| Pre-Conference AKI Symposium - PW1 (see page 4) | February 17, 2015 |
| Pre-Conference Full Day Workshops - PW2 & PW3 (see page 4) | February 17, 2015 |
| Poster Mounting and Viewing | February 17, 2015 |
| Plenary and Standard Workshop Sessions | February 18-20, 2015 |

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FACULTY DISCLOSURE STATEMENT

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.

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 **TWENTIETH INTERNATIONAL AKI & CRRT CONFERENCE** are February 17-20, 2015. 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, Focused Symposia, Exhibit Area, Welcome Reception & Poster Sessions (Tue.), Exhibit Reception (Wed.), CME Accreditation, Conference Syllabus on digital media, two Lunches (Wed. & Thur.), Morning Coffee and all conference coffee breaks. Conference Registration Fee **DOES NOT** include Elective Events on Tuesday. (see page 4 & 5 for list). Registration check-in will begin on Monday, February 16, 2015. Poster Viewing will begin on Tuesday evening February 17, 2015. For additional registration times see the program.

REGISTRATION FEES

| | Early Bird On or before Jan. 5, 2015 | Pre-Registration Jan. 6, 2015 thru Feb. 2, 2015 | On-Site Registration Feb. 3 thru Feb. 20, 2015 |
|---|---|--|---|
| Physicians/Other (MD, PhD, etc.) | \$ 695 | \$ 795 | \$ 865 |
| <i>With Multimedia Package</i> | \$ 895 | \$ 995 | \$1,065 |
| Nurses/Dieticians/ Pharmacists/Residents*/Fellows* | \$ 495 | \$ 595 | \$ 640 |
| <i>With Multimedia Package</i> | \$ 695 | \$ 795 | \$ 840 |
| Industry | \$ 695 | \$ 795 | \$ 865 |
| <i>With Multimedia Package</i> | \$ 895 | \$ 995 | \$1,065 |

*with letter of verification from department head

PRE-CONFERENCE ELECTIVE SYMPOSIUM & WORKSHOP FEES

| | | | |
|--------------------------------|--------|--------|--------|
| PW1 AKI / PW2 CRRT / PW3 PD | \$ 230 | \$ 250 | \$ 270 |
| <i>With Multimedia Package</i> | \$ 355 | \$ 375 | \$ 395 |

ONLINE MULTIMEDIA PRESENTATIONS

(with registration) **\$200**

Again in 2015 we will capture **PLENARY SESSIONS** and selected **STANDARD WORKSHOPS** 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. Make this purchase when registering for the conference online and **SAVE** significantly over post-conference purchase of individual plenary sessions and workshops. Please visit the conference website for details regarding the presentations & free demo lecture.

AKI Pre-Conference Symposium & Practice Based Learning in CRRT also available!

GUEST FEE (must accompany registered delegate)

\$185

Includes: Access to Exhibit Area, Welcome Reception (Tuesday), Exhibit Reception (Wednesday) and two Lunches (Wednesday & Thursday). Guests are not admitted to the General Sessions or Workshops.

PRE-CONFERENCE ELECTIVE EVENTS *(CME Available)*

AKI SYMPOSIUM *(see page 3 for fees)*

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

TUESDAY, FEBRUARY 17 - Full Day* *(limited enrollment, full program on page 8)*

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

PW1: Changing Paradigms in Acute Kidney Injury: From Mechanisms to Management

8:00am-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.

CRRT SIMULATION WORKSHOP *(see page 3 for fees)*

TUESDAY, FEBRUARY 17 - Full Day *(limited enrollment, full program on page 9)*

PW2: Practice Based Learning in CRRT: The Science and the Art

7:45am-5:00pm *(includes 12:30 lunch, AM & PM breaks - CRRT Conference Registration Required)*

This workshop is designed to provide participants with the knowledge and understanding for decision making for the effective utilization of CRRT to manage critically ill patients. The workshop will utilize case based discussions and "hands on" simulations to illustrate the underlying concepts for application of CRRT. All participants will be provided access to digital media describing the basic concepts of CRRT and will be expected to have reviewed this material prior to the workshop. 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.

The "hands-on" workshops will use a case-based approach to provide training on different aspects of CRRT. All participants will be allocated to teams of 6 to 8 participants that will have nurses, pharmacist and physicians represented in each team. Each team will go through four interactive case simulations and role-playing with their assigned team. The "hands on" workshop session is divided into four (4) sessions 45 minutes in length that will occur simultaneously. Each session will be repeated 4 times. Teams will rotate through each session in their break-out group in order to maximize the learning opportunity for each participant in a small group setting. There will be a 5 minute break between each session in order to allow the participants to move to the next session.

PD WORKSHOP *(see page 3 for fees)*

TUESDAY, FEBRUARY 17 - Full Day *(limited enrollment, full program on page 10)*

PW3: Peritoneal Dialysis for AKI

8:00am-5:15pm *(includes 12:15 lunch, AM & PM breaks - CRRT Conference Registration Required)*

Peritoneal dialysis (PD) is often overlooked as a therapeutic option for managing hospitalized patients with AKI as there is lack of experience with this technique. Recent studies have shown that this is a complementary therapy to CRRT and IHD techniques for both the primary treatment of AKI from its onset to recovery and as a transition of care from the ICU to post-ICU setting to support organ systems and enhance recovery of kidney and patients with brain edema. PD has been the mainstay of therapy for AKI in several countries where IHD and CRRT are not available or economically feasible.

CONFERENCE ELECTIVES (CME Available)

MEET THE EXPERTS (limited to the first 30 delegates in each of 4 sessions) **\$40 each**
These breakfast sessions (choose from 2 on Wed. & Thurs.) 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.

Wednesday, February 18 - 7:15-8:15am (choose one)

Session 1 (ME1)

How do I Manage Patients with High Risk for AKI in the ICU

Kianoush Kashani, MD and Miet Schetz, MD

Session 2 (ME2)

How do I Assess and Follow Up Patients After an Episode of AKI

Paul Palevsky, MD and TBD

Thursday, February 19 - 7:15-8:15am (choose one)

Session 3 (ME3)

How I Assess Patients in the ICU and My Approach to Oliguria

Peter Pickkers, MD and Daniel DeBacker, MD

Session 4 (ME4)

How I Use the KDIGO AKI Guidelines to Manage Patients

John Kellum, MD and Claudio Ronco, MD

LUNCHEONS

(selections made during registration process)

Luncheons are included with registration but have limited enrollment, RSVPs are required.

WEDNESDAY, FEBRUARY 18, 2015 - 11:45am-1:00pm

LUNCH SYMPOSIUM A Daniel DeBacker, MD, John Prowle, MD (CME Available)
Fluid Management of the Critically Ill Patient: When, How Much and What?

This symposium will discuss the pathophysiology for fluid distribution, review recent evidence for the optimal application of fluids to support ICU patients safely in the ICU. (see website for additional details)

LUNCH SYMPOSIUM B Sumit Mohan, MD, Ron Wald, MD (CME Available)
Quality Metrics for AKI and RRT: Should We Have Benchmarks?

There is a major imperative to focus our efforts on developing clinical quality measures (CQMs) to track and report on care for AKI patients and identify best practices to improve outcomes. This symposium will describe the key issues that need to be considered to establish performance measures for AKI. (see website for additional details)

THURSDAY, FEBRUARY 19, 2015 - 12:15-1:45

LUNCH SYMPOSIUM C Jay Koyner, MD, Patrick Murray, MD & Alex Zarbock, MD (CME Available)
Improving Outcomes in AKI: How do Biomarkers Fit In?

Several novel biomarkers for AKI are now available for clinical use, however experience has been limited. This symposium will provide a review of the field and discuss how these biomarkers are being used to optimize patient management.

LUNCH SYMPOSIUM D Mitch Rosner, MD, Bruce Spinowitz, MD
Managing Hyperkalemia in AKI and CKD: A Shifting Paradigm

Potassium derangements are common in patients with reduced kidney function and often result in life threatening events requiring emergent use of RRT. The development of hyperkalemia also prompts stopping drugs that are beneficial but pose a high risk. This symposium will discuss the benefits and limitations of current treatment strategies and describe the efficacy of a novel therapy for managing acute and chronic hyperkalemia.

SOCIAL ACTIVITIES (Non-CME)

Welcome Reception and Poster Review Tuesday, February 17, 2015 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 18, 2015 6:00pm-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.

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 **January 25, 2015**. Allow 6-8 weeks for refund.

CONFERENCE OFFICE

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

CONTACT INFO

RES/CRRT 2015

Phone: 858-272-1018

Fax: 858-272-7687

Email: crrt@res-inc.com

Website: www.crrtonline.com

ABSTRACT INFORMATION

DEADLINE FOR RECEIPT OF ABSTRACTS: December 10, 2014

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 10, 2014**.
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 2, 2015**.
7. **Selected abstracts will be eligible for digital poster discussions with experts on Tuesday, February 17 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 website: www.crrtonline.com/conference/
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 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 Tues. Feb. 17 and Wed. Feb. 18.

1. **Registration Awards** - Conference registration 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 Session: Tuesday, Feb. 17 and Wednesday, Feb. 18, 2015.
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 2, 2015** 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

CME INFORMATION

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. Oral and poster presentations and pre-conference hands on workshops provide a wide variety of opportunities for CME credits.

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 fluid resuscitation, hemodynamic monitoring, pharmacological therapy and extracorporeal support.
2. Discuss the optimal ways to diagnose, treat and follow up patients with acute kidney injury utilizing biomarkers, imaging and lab studies.
3. Describe the principles and practice of renal replacement techniques including CRRT, PD 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 **31.25 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 **31.25 AMA PRA Category 1 Credits™** issued by organizations accredited by the ACCME. For the purpose of relicensure, the California Board of Registered Nursing accepts **31.25 AMA PRA Category 1 Credits™** (report up to **31.25** 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, published KDIGO and European Best Practice and NICE guidelines and feedback from participants and faculty at prior CRRT conferences and discussions with the 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.

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

| | |
|------------------|---|
| Tuesday | ELECTIVES: PW1 Changing Paradigms in AKI, PW2 Practice Based Learning in CRRT, PW3 Peritoneal Dialysis for AKI |
| Wednesday | MEET THE EXPERT SESSIONS, LUNCH SYMPOSIA GROUP 1 - SIMULTANEOUS STANDARD WORKSHOPS GROUP 2 - SIMULTANEOUS STANDARD WORKSHOPS OPENING SESSION I: PATIENT CHARACTERISTICS |
| Thursday | MEET THE EXPERT SESSIONS, LUNCH SYMPOSIA GROUP 3 - SIMULTANEOUS STANDARD WORKSHOPS SESSION II: CONTROVERSIES IN CRITICAL CARE NEPHROLOGY SESSION III: EMERGING CONCEPTS IN AKI AND RRT |
| Friday | SESSION IV: IMPROVING OUTCOMES IN AKI SESSION V: FUTURE TRENDS IN CRRT AND CRITICAL CARE |

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 can be found on the UC San Diego CME website <http://cme.ucsd.edu>.

PROGRAM

MONDAY, FEBRUARY 16

5:00-8:00pm Conference Registration Open

TUESDAY, FEBRUARY 17

7:30am Conference Registration Open

PRE-CONFERENCE AKI SYMPOSIUM - PW1 (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 **The Yin and Yang of AKI: Bioenergetic Failure or Conservation** - Hernando Gomez, MD
8:20-8:40 **Ferritin in AKI** - Subhashini Boliseti, PhD
8:40-9:00 **Renal Oxygenation and Mitochondrial Function in Sepsis-Associated AKI** - Prabhleen Singh, MD
9:00-9:20 **Neuro Immune Control of AKI and Inflammation** - Mark Okusa, MD
9:20-9:40 **Gene Discovery for Different Subsets of AKI** - Jonathan Barasch, MD
9:40-10:00 **Discussion**

10:00-10:15

Coffee Break

PLENARY 2 **Of Mice and Men: Harmonizing Human and Animal AKI: Results from ADQI 13**

Co-Chairs: Mitch Rosner MD and Mark Okusa, MD

- 10:15-10:35 **Hemodynamics** - Can Ince, PhD
10:35-10:55 **Immunity, Inflammation** - Sunderaraman Swaminathan, MD
10:55-11:15 **Cellular and Molecular** - Anupam Agarwal, MD
11:15-11:35 **Progression** - David Basile, PhD
11:35-11:55 **Regeneration and Stem Cells** - Didier Portilla, MD
11:55-12:15 **Discussion**

12:15-1:15 pm

Lunch Hosted by Conference

PLENARY 3 **Bench to Bedside: Translating Discoveries to Clinical Care**

Co-Chairs: Didier Payen MD and Paul Palevsky, MD

- 1:15-1:35 **Parenteral Angiotension II for Shock: Effects on Renal Function** - Lakhmir Chawla, MD
1:35-1:55 **Electrical Vagal Nerve Stimulation in Humans: Effects on the Immune Response**
Peter Pickkers, MD
1:55-2:15 **Genomic and Proteomic Characterization of AKI** - Prasad Devarajan, MD
2:15-2:35 **Detecting Drug Nephrotoxicity: The Kidney on a Chip** - Vishal Vaidya, PhD
2:35-2:55 **Urine Exosomes and Molecular Characterization of AKI** - Satish Rao, PhD
2:55-3:15 **Discussion**
3:15-3:30 *Coffee Break*

PLENARY 4 **Controversies in AKI**

Co-Chairs: Claudio Ronco MD and Patrick Murray, MD

- 3:30-3:50 **Timely Diagnosis of AKI: Kinetic eGFR - Creatinine Can be Useful** - Zoltan Endre, MD
3:50-4:10 **Pathogenesis of AKI the Problem is Right Under Our Nose** - John Kellum, MD
4:10-4:30 **How Should We Quantify the Effect of AKI on CKD** - Paul Kimmel, MD
4:30-4:50 **Long Term Outcomes from AKI; Lessons from the ARID Study** - Nick Selby, MD
4:50-5:10 **Can We Personalize RRT Based Biomarker Profiles?** - Raghavan Murugan, MD
5:10-5:30 **Discussion**
5:30 **Adjourn**

7:30am Conference Registration Open

PRE-CONFERENCE WORKSHOP - PW2 (CME Available)*(see page 3 for elective symposium and 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 decision making for the effective utilization of CRRT to manage critically ill patients. For the Simulation Workshop Rotations, all participants will be allocated to teams of 6 to 8 participants that will have nurses, pharmacists and physicians represented in each team. The workshop will utilize case based discussions and “hands on” simulations to illustrate the underlying concepts for application of CRRT. All participants will be provided access to digital media describing the basic concepts of CRRT and will be expected to have reviewed this material prior to the workshop. 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 choice of CRRT therapy components and their implementation
- Obtain hands on experience in machine set-up, troubleshooting, prescription and delivery
- Utilize the tools provided to manage complex cases with CRRT.

Faculty:

| | | |
|-----------------------------|---------------------------------------|-----------------------------|
| David Askenazi, MD | Ashita Tolwani, MD, MSc | Patti Graham, RN, CSN, CCRN |
| Linda Awdishu, PharmD, MAS | Stuart Goldstein, MD | Debbie Ashton, RN |
| Jorge Cerda, MD, FACP, FASN | Luis Juncos, MD, PhD | Mary Marshall, RN |
| Dinna Cruz, MD | Catherine Wells, DNP, ACNP-BC, CNN-NP | (Pediatric Nurse - TBD) |

7:45-8:00 **Opening Remarks** (Tolwani, Cerda)8:00-8:45 **Pre-test** (Tolwani, Cerda, Connor)8:45-9:25 **Individual Breakout Sessions****Nurses Session: Machine Setup, Alarms, and Trouble-shooting**

(Graham,UCSD Nurse, Wells, Pediatric Nurse) (room with 2-4 machines)

Physicians Session: CRRT Prescription, Order Sets, and Fluid Composition

(Cerda, Awdishu)

9:25-1:00 **Hands-On Simulation Workshop Rotations - All Teams**

The “hands-on” workshops will use a case-based approach to provide training on different aspects of CRRT. All participants will be allocated to teams of 6 to 8 that will have nurses, pharmacists and physicians represented in each team. Each team will go through four interactive case simulations and role-playing with team members. The workshop is divided into four (4) sessions 45 minutes in length that will occur simultaneously. Each session will be repeated 4 times so teams can rotate through each session in order to maximize the learning opportunity. Teams rotate during 5 minute breaks between sessions.

SESSION 1 Anticoagulation, Citrate Protocols (Tolwani, Wells, UCSD Nurse)*Circuit setup, anticoagulation, modalities***SESSION 2 Dose/Fluid/Documentation** (Juncos, Cerda, Marshall, Graham)*Solutions, volume management, electrolytes, acid base; divalent ions, fluid adjustments, dose***SESSION 3 Decision Making and Coordination of Care** (Connor, Cruz, Awdishu)*Sequential adjustments coordinating operational characteristics to adjust dose, deal with plasma compositions fluid balance, drug dosing***SESSION 4 Pediatric/ECMO/Hybrid** (Goldstein, Askenazi, Pediatric Nurse)*Modality selection, circuit modifications, therapy dosing, monitoring, adjustments for targeted interventions*1:00-1:45 *Lunch Hosted by Conference for Workshop Participants***Interactive Case-based Scenarios** *(All teams together in lecture room with audience response system)*1:45-2:10 **Nutrition** (Connor)2:10-2:35 **Drug Dosing for CRRT** (Awdishu)2:35-3:00 **Discontinuation of CRRT and/or Transition to Other Dialytic Modalities** (Cruz)3:00-3:25 **Ethical Considerations** (Cerda, Goldstein)3:25-3:40 *Coffee Break*3:40-4:25 **Interactive Video Simulation: Real-time, Case Based Scenario from Consent to Delivery** (Tolwani and all nursing, physician, and pharmacy faculty)4:25-5:00 **Post-test and Wrap-up** (Tolwani, Cerda, Connor)5:00 **Adjourn***Tuesday's schedule continues on following page*

PRE-CONFERENCE WORKSHOP - PW3 (CME Available)*(see page 3 for elective symposium and workshop fees)***Peritoneal Dialysis for AKI**

Peritoneal dialysis (PD) is often overlooked as a therapeutic option for managing hospitalized patients with AKI as there is lack of experience with this technique. Recent studies have shown that this is a complementary therapy to CRRT and IHD techniques for both the primary treatment of AKI from its onset to recovery and as a transition of care from the ICU to post-ICU setting to support organ systems and enhance recovery of kidney function. Additionally, PD has been effectively utilized to manage patients with chronic heart failure, liver failure and patients with brain edema. PD has been the mainstay of therapy for AKI in several countries where IHD and CRRT are not available or economically feasible. This workshop provides physicians and nurses with the background knowledge, skills, and hands-on training to utilize peritoneal dialysis (PD) for the management of patients with acute kidney injury. The workshop will cover the principles of PD, demonstrate the practical considerations for obtaining PD access, setting up and operating manual and cyclor based treatment regimens and techniques for monitoring and management of complications.

Learning Objectives:

1. Describe the principles, components and operational characteristics of peritoneal dialysis and its application for patients with acute kidney injury in adults and pediatric patients.
2. Demonstrate techniques for acute PD catheter placement and the procedure of continuous ambulatory peritoneal dialysis and setup of cyclor based PD.
3. Discuss the tools for monitoring, troubleshooting and management of PD for its effective utilization in AKI

Faculty: Daniela Ponce, MD Fred Finkelstein, MD Steve Alexander, MD
Sean Armstrong, MD Todd Penner, MD Debbie Ashton, RN

SESSION 1 Principles and Practice of PD in the Hospitalized Patient (Ponce, Finkelstein)

- 8:00-10:00
- **Anatomy and Physiology of the Peritoneum**
 - **Physiologic Principles and Targets for PD Adequacy and Ultrafiltration**
 - **Operational Characteristics: Catheter placement, Access, Solutions, Orders, Cyclor, Connectology**

10:00-10:15 *Coffee Break*

SESSION 2 Practical Issues for PD in AKI (Ponce, Finkelstein, Ashton)

- 10:15 -12:15pm
- **Rationale for Use of PD in AKI: Initial Therapy, Transition Therapy In-hospital and at Discharge**
 - **Nursing Issues: Set-up, Monitoring, PD Volume Adjustments, Assessing for Complications, Charting and Recording, Patient Training and Ancillary Staff Education**
 - **Management of Infections (Management of Peritonitis, ESI) and Catheter Problems**

12:15-1:15 *Lunch Break*

SESSION 3 Setting Up and Maintaining and Acute PD Program (Finkelstein, Ponce, Alexander)

- 1:15-3:00
- **Administrative Issues, Quality Measures**
 - **Special Topics: Pediatric Issues, Heart Failure, Liver Failure with Ascites, Brain Edema, Transitioning to IHD or CRRT**
 - **Interactive Case Scenarios for Management Decisions (Drug Dosing, Nutritional Support)**

3:00-3:15 *Coffee Break*

**SESSION 4 Hands-on Demo for Catheter Placement with Mannequins - Physicians
Cyclor Set-up and Troubleshooting - Nurses (Armstrong, Penner, Ponce)**

- 3:15-5:15
- **Peritoneal Dialysis Catheter Placement and Management Hands-on Demo (3 stations and cyclor set-up at 2 stations)**

5:15 **Adjourn**

5:30-7:00pm **Tuesday Evening Reception & Poster Review - For All Conference Attendees**

WEDNESDAY MORNING, FEBRUARY 18

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

7:00-8:00 *Coffee Served*

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

Session 1 (ME1) - How do I Manage Patients with High Risk for AKI in the ICU
Kianoush Kashani, MD and Miet Schetz, MD

Session 2 (ME2) - How do I Assess and Follow Up Patients After an Episode of AKI
Paul Palevsky, MD and TBD

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: Hemodynamic and Fluid Management; F: Dialysis Techniques and Pediatric Applications; G: Plasma Exchange

8:30-10:00am **GROUP 1 - SIMULTANEOUS STANDARD WORKSHOPS (choose one)**

- A01 Using Kidney Biomarkers for AKI 1: Risk Assessment, Diagnosis and Staging (C,N,AP)**
Practical issues for use of kidney biomarkers for assessing risk and for early recognition and interventions in AKI.
- B02 Strategies for Optimizing the CRRT Circuit (Access, Anticoagulation and Monitoring) Citrate Anticoagulation (C,N,AP)**
Case based discussions on best practices to maintain circuits for CRRT focusing on the Access, Anticoagulation and Monitoring.
- C03 Vexing Problems in ICU Patients: Acid Base and Electrolyte, Sedation, Resistant Infections, C-diff, the Obese Patient (C,N,AP)**
Test and update your knowledge with these interactive case studies focused on recognizing and managing acid base and electrolyte problems in critically ill patients.
- D04 Managing Patients with AKI and Liver Failure 1: Pathophysiology, Differential Diagnosis, Use of RRT, Liver Support, Strategies for Bridge to Transplant (C,N,AP)**
Pathophysiology of AKI in setting of acute and chronic hepatic failure and management strategies for differential diagnosis and therapy.
- E05 Assessment of Fluid Responsiveness, Hemodynamic Monitoring and Targets (C,N)**
Principles and strategies for volume assessment, hemodynamic and microcirculatory monitoring in critically ill patients.
- F06 Ensuring Patient Safety and Quality for RRT in AKI (C,N,AP)**
Water Standards, Infection Control, Regulatory issues, Dialysis Adequacy, Monitoring, Benchmarks for Quality assessment.
- G07 Principles of Plasma Exchange, Applications and Practical Issues (C,N,AP)**
Rationale and technique of plasma exchange and its applications, case based discussions.

10:00-10:15am *Coffee Break*

STANDARD WORKSHOPS - GROUP 2 (CME Available for All)

- 10:15-11:45am **GROUP 2 - SIMULTANEOUS STANDARD WORKSHOPS** (choose one)
- A08 Using Kidney Biomarkers for AKI 2: Differential Diagnosis, Interventions and Prognosis (C,N,AP)**
Strategies for the effective use of kidney biomarkers for managing patients with AKI to guide interventions and predict outcomes.
- B09 CRRT for the Experienced User 1 (I,N,AP)**
Interactive case based discussions on dose adjustments, monitoring for adequacy, modality selection and transitions in CRRT.
- C10 Starting and Stopping RRT for AKI: Principles and Practice (A)**
Principles of determining when to start and stop RRT. Case based discussion of various approaches.
- D11 Managing Patients with Sepsis 1 : Pathophysiology, Diagnosis, Assessment, Resuscitation, Drug Management, Techniques for Disease Modification, Organ Support and Renal Protection (C,N,AP)**
Case based discussions on pathophysiology of sepsis, rationale and strategies for fluid and vasopressor use for supportive therapy with the sepsis bundle. Technical considerations and practical application of extracorporeal support techniques for sepsis. Results of human studies for use of high permeability membranes, HVHF, VHVHF and hybrid techniques for sepsis
- E12 Fluids and Solutions Crystalloids, Colloids and Blood Products: When and How to Use (I,N,AP)**
Techniques, applications, monitoring and practical issues for implementation.
- F13 Pediatric Dialysis Techniques 1: Patient Assessment, Prescription, Dosing, Delivery, Implementation and Monitoring (I,N,AP)**
Technique requirement and application for use in children excluding neonates. Covering epidemiology of pediatric AKI, and a focus on the pediatric CRRT prescription (anticoagulation, fluid composition, modality, and nutrition provision), as well as outcomes.
- G14 Practical Issues in Plasmapheresis: Setup and Troubleshooting, Combined CRRT with Pheresis (C,N)**
Technique adaptations for combining CRRT with other extracorporeal support therapies. Circuit set up, logistics, monitoring and assuring safety.

11:45am-1:00pm **Lunch - RSVP required, selection made during registration. See page 5 for description.**

LUNCH SYMPOSIUM A - (CME Available)

Fluid Management of the Critically Ill Patient: When, How Much and What?

Daniel DeBacker, MD, Didier Payen, MD and John Prowle, MD

LUNCH SYMPOSIUM B - (CME Available)

Quality Metrics for AKI and RRT: Should We Have Benchmarks?

Nick Selby, MD and Ron Wald, MD

LUNCH SYMPOSIUM C - (NON- CME)

SPECTRAL Luncheon

Make your hotel reservations early!

at crrtonline.com or call the hotel directly...

Manchester Grand Hyatt 1-619-232-1234



WEDNESDAY AFTERNOON, FEBRUARY 18

SESSION I: PATIENT CHARACTERISTICS (CME Available)

| | | | |
|-----------|--|-----------|--|
| 1:10-3:30 | Plenary 1 - MINI-SYMPOSIA <i>Organ Dysfunction in the Critically Ill Patient: Emerging Concepts</i> | 4:00-6:00 | Plenary 2 - MINI-SYMPOSIA <i>Acute Kidney Injury (AKI): Pathophysiology</i> |
| 1:10-1:15 | Opening Remarks Ravindra L Mehta, MD, FACP | 4:00-4:15 | Renal Reserve: Can We Assess It? Claudio Ronco, MD |
| 1:15-1:30 | Hypoxia and Inflammation: Lessons for Critical Illness Peter Pickkers MD | 4:15-4:30 | Measuring GFR in the ICU: Which technique and Which GFR? Bruce Molitoris, MD |
| 1:30-1:45 | Immunodepression: A Real Clinical Entity in ICU Patients Didier Payen, MD | 4:30-4:45 | HMGB1-TLR4 Interactions: Mediators of Kidney Lung Cross Talk? Kent Doi, MD |
| 1:45-2:00 | The Microcirculation in Sepsis: Target for Intervention? Daniel DeBacker, MD | 4:45-5:00 | Immunoregulatory Role of Tissue Microenvironment in Kidney Injury Mark Okusa, MD |
| 2:00-2:15 | Endothelial Hyperpermeability in Critical Care and Its Countermeasures with CHDF Hiroyuki Hirasawa, MD | 5:00-5:15 | Preeclampsia: Pathophysiology and Management Douglas Woelkers, MD |
| 2:15-2:30 | Pathophysiology of Kidney Dysfunction in Liver Disease Mitra Nadim, MD | 5:15-5:30 | MicroRNA Profiling: Insights into AKI Vishal Vaidya, PhD |
| 2:30-2:45 | Intraabdominal Hypertension: The Enemy Within Atul Malhotra, MD | 5:30-5:50 | Biomarkers for Drug Nephrotoxicity Patrick T. Murray, MD |
| 2:45-3:10 | SPECIAL LECTURE The EBOLA Epidemic: Lessons Learned and Applied Michael Connor Jr, MD | 5:50-6:00 | Panel Discussion |
| 3:10-3:30 | Panel Discussion | 6:00 | Adjourn |
| 3:30-4:00 | <i>Coffee Break</i> | 6:00-8:00 | EXHIBIT RECEPTION AND POSTER SESSION |



THURSDAY MORNING, FEBRUARY 19

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

7:00-8:00 *Coffee Served*

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

Session 3 (ME3) - How I Assess Patients in the ICU and My Approach to Oliguria
Peter Pickkers, MD and Daniel DeBacker, MD

Session 4 (ME4) - How I Use the KDIGO AKI Guidelines to Manage Patients
John Kellum, MD and Claudio Ronco, MD

STANDARD WORKSHOPS - GROUP 3 (CME Available for All)

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

A15 Optimal Care for AKI: The 5 R Approach (C,N,AP)

This workshop will describe the urgent need for educating care givers, patients and the lay public on the devastating effects of AKI. Strategies and tools for risk assessment, recognition and early response for AKI will be discussed.

B16 CRRT for the Experienced User 2: Solutions, Fluid Removal, Fluid Balance, Monitoring (A)

Interactive case based discussion on strategies for fluid management in CRRT to achieve patient driven outcomes for fluid, electrolyte and acid base balance.

C17 Drug Induced Kidney Injury in the ICU:

Mechanisms, Susceptibility, Diagnosis, Management Strategies (A,N)

Causes and consequences of drug induced nephrotoxicity, factors contributing to toxicity, strategies for preventing and managing toxicity. Utilization of dialysis techniques for drug removal

D18 Managing Heart Failure and Cardio-Renal Syndrome: Pathophysiology, Diagnosis, Drug Management, Ultrafiltration, Renal Support and RRT for Patients with Ventricular Assist Devices and Artificial Hearts (A,N)

Technical considerations, practical application and results of different methods to treat heart failure and cardio-renal syndrome including ultrafiltration techniques.

E19 Vasopressors and Inotropes and Combinations with Fluid (I,N)

Pathophysiology of shock and the principles and practical use of vasopressors, inotropes, vasodilators in critically ill patients.

F20 Pediatric Dialysis Techniques 2: CRRT in the Newborn, ECMO, Combination Therapies, Drug Dosing, Transitions (I,N)

Pathophysiology and management of metabolic disorders, neonatal AKI and intoxications with CRRT.

G21 Sorbent Based and Hybrid Therapies for Extracorporeal Support (I,N,AP)

Hemopurification systems for sepsis, immunoadsorption and PMMA.

9:45-10:00

Coffee Break

Mark Your Calendar Now for 2015 and 2016!!

AKI&CRRT 2016

Dates Posting Soon!



THURSDAY MORNING/AFTERNOON, FEBRUARY 19

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

| | | | |
|-------------|---|-------------|--|
| 10:00-12:15 | Plenary 3 MINI-SYMPOSIA Challenges in ICU Management | 11:00-11:15 | Microcirculation Targeted Fluid Management Daniel DeBacker, MD |
| 10:00-10:15 | Vancomycin Nephrotoxicity: A Figment of Imagination Saima Aslam, MD | 11:15-11:30 | EGDT Doesn't Help the Kidney Either John Kellum, MD |
| 10:15-10:30 | Sedation and the Kidney: Cause for Concern? Peter Pickkers, MD | 11:30-12:00 | SPECIAL LECTURE Three Decades of CRRT: The Past the Present and the Future Claudio Ronco, MD |
| 10:30-10:45 | End Stage Liver Disease in the ICU: Should we offer RRT? Mitra Nadim, MD | 12:00-12:15 | Top Abstract Awards |
| 10:45-11:00 | Progressive Mobility and the Critically Ill Patient Patty Graham, RN, CSN, CCRN | | |
| 12:15-1:45 | Lunch - RSVP required, selection made during registration. See page 5 for description. | | |

LUNCH SYMPOSIUM C - (CME Available)

Improving Outcomes in AKI: How do Biomarkers Fit In?

Jay Koyner, MD, Patrick Murray, MD & Alex Zarbock, MD

LUNCH SYMPOSIUM D - (CME Available)

Managing Hyperkalemia in AKI and CKD: A Shifting Paradigm

Mitch Rosner, MD

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

| | | | |
|-----------|---|-----------|--|
| 1:45-3:30 | Plenary 4 MINI-SYMPOSIA Novel Strategies in AKI Management | 4:00-6:00 | Plenary 5 MINI-SYMPOSIA Challenges and Controversies in Renal Support and CRRT |
| 1:45-2:00 | Assessing Renal Recovery: Estimated vs Measured GFR Miet Schetz, MD | 4:00-4:15 | Optimizing RRT for AKI Andrew Davenport, MD |
| 2:00-2:15 | Combining Functional and Structural Biomarkers to Assess AKI Rajit Basu, MD | 4:15-4:30 | Apheresis Techniques: Applications for Renal Support David Ward, MD |
| 2:15-2:30 | Acute on Chronic Kidney Disease: Changes in Biomarker Profiles Zoltan Endre, MD | 4:30-4:45 | Advanced CRRT Techniques: ECMO in Neonates, and MARS David Askenazi, MD |
| 2:30-2:45 | Thrombotic Microangiopathies: Recognition and Treatment Giuseppe Remuzzi, MD | 4:45-5:00 | Automated Citrate Anticoagulation for CRRT Marlies Ostermann, MD |
| 2:45-3:00 | Targeting Renal Recovery from AKI: The Role of Anemia Ravindra Mehta, MD | 5:00-5:15 | Peritoneal Dialysis: An Alternate CRRT for AKI? Daniella Ponce, MD |
| 3:00-3:15 | Drug Interactions: The Hidden Risk for AKI Ron Wald, MD | 5:15-5:30 | Managing Acid Base and Electrolyte Disturbances with RRT John Prowle, MD |
| 3:15-3:30 | AKI as a Quality Paradigm: Report from the Roundtable Conference Sean Bagshaw, MD | 5:30-6:00 | DEBATE Hemofiltration for Sepsis: Burial or Resurrection? <i>Pro:</i> Patrick Honore, MD <i>Con:</i> Didier Payen, MD |
| 3:30-4:00 | <i>Coffee Break</i> | 6:00 | Adjourn - Free Evening |

FRIDAY MORNING, FEBRUARY 20

7:00am-1:00pm Conference Registration Open

7:30-8:00am *Coffee Served*

SESSION IV: IMPROVING OUTCOMES IN AKI (CME Available)

| | | | |
|------------|--|-------------|--|
| 8:00-10:15 | Plenary 6 MINI SYMPOSIA <i>Raising Awareness of AKI</i> <i>The ISN 0by25 Initiative</i> | 9:00-9:15 | Tools to Raise Awareness of AKI: A Global Need Andrew Lewington, MD |
| 8:00-8:15 | AKI 0by25: A Call for Action Giuseppe Remuzzi, MD | 9:15-9:30 | Providing Dialysis Support for AKI in the Developing World: The Role of PD Fred Finkelstein, MD |
| 8:15-8:30 | Design and Conduct of AKI 0by25 Initiative Ravindra Mehta, MD | 9:30-9:45 | Assessment of Worldwide AKI, Renal Angina and Epidemiology in Children: The International AWARE Study Stuart Goldstein, MD |
| 8:30-8:45 | Global Epidemiology of AKI: What Have We Learnt? Jorge Cerda, MD | 9:45-10:15 | The Changing Face of AKI: Snapshots from Around the World <i>Latin America, India, China</i> |
| 8:45-9:00 | How Does AKI Contribute to the Global Burden of Disease Bernadette Thomas, MD | 10:15-10:45 | <i>Coffee Break</i> |

SESSION V: FUTURE TRENDS IN CRRT AND CRITICAL CARE (CME Available)

| | | | |
|-------------|--|-------------|--|
| 10:45-1:00 | Plenary 7 MINI SYMPOSIA <i>Emerging Strategies in AKI and Extracorporeal Support</i> | 12:30-12:55 | Critical Care Nephrology: Literature Review Noel Gibney, MD |
| 10:45-12:30 | Update from Ongoing and Late Breaking Trials (see website for presenter list) <i>12 minutes each</i> 1. Frequency and Distribution of Dialysis -Associated Atrial Fibrillation: Preliminary Results of the Monitoring in Dialysis (MiD) Study 2. STARRT Trial Timing of Dialysis 3. ZS Pharma HARMONIZE Trial for hyperkalemia 4. Thrasos Trial for Post Cardiac Surgery AKI 5. Polymixin Binding Filter for Sepsis: EUPHRATES Trial 6. AKINESIS Trial 7. CONVINT Trial 8. The RUBY Trial 9. sepXiris - A New Cytokine-Adsorbing Hemofilter for Sepsis | 12:55-1:00 | Closing Remarks Ravindra L. Mehta, MD, FACP <i>Chairman</i> |
| | | 1:00 | Conference Adjourns |

AKI & CRRT 2015 PROGRAM AT A GLANCE

CME Available for All Session Unless Noted With *

| Time | Tuesday, Feb. 17 | Wednesday, Feb. 18 | Time | Thursday, Feb. 19 | Time | Friday, Feb. 20 |
|-------------|---------------------------------|--------------------|-------------|--|-------------|--|
| 7:55-10:00 | PW1: AKI | 7:15-8:15 | 7:15-8:15 | Meet the Experts | 8:00-10:15 | Plenary 6 |
| 7:45-1:00 | PW2: CRRT | 8:30-10:00 | 8:15-9:45 | Standard Workshops GROUP 1 | 8:15-9:45 | Raising Awareness of AKI The ISN 0by25 Initiative |
| 8:00-10:00 | PW3: PD | | | Focused Symposia | | |
| 10:00-10:15 | Break for PW1 & 3 | 10:00-10:15 | 9:45-10:00 | Break | 10:15-10:45 | Break |
| 10:15-12:15 | PW1: AKI | 10:15-11:45 | 10:00-12:15 | Plenary 3 | 10:45-1:00 | Plenary 7 |
| 10:15-12:15 | PW2: CRRT | | | Challenges in ICU Management | | Emerging Strategies in AKI & Extracorporeal Support |
| 10:15-12:15 | PW3: PD | | | | | |
| 12:15-1:15 | Lunch for PW1 & 3* | | 12:15-1:45 | Luncheons (CME) | 1:00pm | Adjourn |
| 1:15-3:15 | PW1: AKI | 11:45-1:00 | 1:45-3:30 | Plenary 4 | | |
| 1:45-3:25 | PW2: CRRT | 1:10-3:30 | | Novel Strategies in AKI Management | | |
| 1:15-3:15 | PW3: PD | | | | | |
| 3:15-3:30 | Break for PW1 & 3 | | 3:30-4:00 | Break | | |
| 3:30-5:30 | PW1: AKI | 3:30-4:00 | 4:00-6:00 | Plenary 5 | | |
| 3:40-5:00 | PW2: CRRT | 4:00-6:00 | | Challenges and Controversies in Renal Support and CRRT | | |
| 3:30-5:30 | PW3: PD | | | | | |
| 5:30-7:00 | Reception and Poster Review* | 6:00-8:00 | 6:00 | Adjourn Free Evening | | |

PW1, 2 & 3 = Pre-Conference Symposia/Workshop * = NO CME Credit

Note: Break Schedule for PW2 TBD

AKI & CRRT 2015
c/o RES Seminars
4425 Cass Street, Suite A
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TWENTIETH INTERNATIONAL CONFERENCE ON
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AKI & CRRT 2015

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