THE 19TH INTERNATIONAL CONFERENCE ON ADVANCES IN CRITICAL CARE

GRRT 2014

Acute Kidney Injury: Controversies, Challenges and Solutions

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







MARCH 4-7, 2014
SAN DIEGO, CALIFORNIA
MANCHESTER GRAND HYATT

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Dear Colleague,

Welcome to the 19th International Conference on Advances in Critical Care - CRRT 2014.

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 hemodynamic monitoring, fluid management, dialysis timing, and extracorporeal support for critically ill patients. 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. Topics include, mechanisms, pathways of AKI and its effects on other organs, biomarkers and their applications and the findings from the recent clinical trials. 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.

2014 Conference Topic Highlights:

- Meet The Expert Sessions
- Organ Dysfunction in the Critically Ill Patient
- Raising Awareness of Acute Kidney Injury (AKI)
- Controversies in Management of the Critically Ill Patient
- Challenges and Controversies in Renal Support & CRRT
- Biomarkers for Management of Critically Ill Patients
- Special Sessions for Nurses and Allied Personnel
- Special Pre Conference Symposium and Workshops

As always, we hope to provide the right environment to foster learning and mutually beneficial communications and collaborations. We are pleased that you have joined 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.

On behalf of the organizing committee we are happy to welcome you to San Diego for our Nineteenth Anniversary of the CRRT Conference.

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

ACKNOWLEDGEMENTS of EDUCATIONAL GRANTS

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NINETEENTH INTERNATIONAL CONFERENCE ON ADVANCES IN CRITICAL CARE

RRT 2014



Endorsed by ISN) The International Society of Nephrology



Acute Kidney Injury Network

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IMPORTANT CONFERENCE DATES

February 18, 2014
Monday, March 3, 2014
March 4-7, 2014
March 4 & 5, 2014
Tuesday March 4, 2014

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GENERAL INFORMATION

CONFERENCE DATES AND LOCATION

The inclusive dates for all scientific sessions of the **NINETEENTH INTERNATIONAL CRRT CONFERENCE** (**CRRT 2014**) are March 4-7, 2014 at the Manchester Grand Hyatt, 1 Market Place, San Diego, CA 92101, Tel: (619) 232-1234.

REGISTRATION INFORMATION

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 Workshops on Monday or Tuesday. Registration check-in will begin on Monday, March 3, 2014. Poster Viewing will begin on Tuesday evening March 4, 2014.

REGISTRATION FEES	On-Site Registration Feb. 18 thru Mar. 7, 2014
Physicians (MD, PhD, etc.)/Industry Personnel/Other With Multimedia Package	\$ 795 \$ 995
Nurses/Dieticians/Pharmacists/Residents*/Fellows* With Multimedia Package	\$ 595 \$ 795

^{*}with letter of verification from department head

ELECTIVE SYMPOSIA/WORKSHOP FEES (CME Available)

TUESDAY - Full Day Electives - 8:00am-5:30pm (each, include breaks & lunch) **\$270** See pages 6 & 7 for details (with multimedia package) **\$395**

PW1: Changing Paradigms in Acute Kidney Injury: From Mechanisms to Management PW2: Practice Based Learning in CRRT: The Science and the Art

TUESDAY - Half Day Elective Workshops

(each) \$100

Conference registration required, limited enrollment, includes coffee breaks

TUESDAY MORNING - 8:00am-12:30pm (choose one)

HW1: Pediatric Hands-On Workshop

HW2: Nursing: Ensuring Patient Safety and Quality for RRT in AKI

TUESDAY AFTERNOON - 1:30pm-5:30pm (choose one)

HW3: Peritoneal Dialysis

HW4: Plasma Exchange and Hybrid Techniques

See page 5 for Monday's Industry related half-day elective workshop

MEET THE EXPERTS BREAKFAST SESSIONS (CME Available) (each) \$40

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.

SESSION 1 & 2 - Wednesday, March 5 - 7:15-8:15am (details on page 8) SESSION 3 & 4 - Thursday, March 6 - 7:15-8:15am (details on page 11)

ONLINE MULTIMEDIA PRESENTATIONS

(with registration) \$200

Again in 2014 we will capture *PLENARY SESSIONS* and selected *FOCUSED 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. Make this purchase now and *SAVE* significantly over post-conference purchase of individual plenary sessions and symposia. Visit the front desk for more details.

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.

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 1, 2014**. Allow 6-8 weeks for refund.

CONFERENCE OFFICE

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INDUSTRY EVENTS (Non-CME)

CME CREDITS DO NOT APPLY TO INDUSTRY EVENTS

INDUSTRY WORKSHOP

(limited enrollment) \$100

MONDAY, March 3 - Half Day Elective Workshop - 1:30pm-5:30pm

IND1: GAMBRO Hands-On Physician's Workshop: Practical CRRT - The Nuts and Bolts

Through case studies, lecture and Prismaflex System hands-on practice, this workshop will provide practical approaches to prescribing and delivering CRRT with Gambro's leading CRRT system.

Location: Cortez Hill ABC

INDUSTRY LUNCHEONS

These hosted luncheons have limited enrollment and RSVPs are required. Regular conference luncheons on Wednesday and Thursday may also be selected and are included with registration.

WEDNESDAY - 11:45-1:00

GAMBRO - Symposium Luncheon - Non-CME

Long-term Dialysis Dependence after AKI: Health Economic Implications?

Dr. Antoine Schneider and Dr. Sean Bagshaw will present recent evidence that the initial RRT modality prescribed for critically ill AKI patients may be associated improved renal recovery. If initial use of CRRT is associated with improved renal recovery, long-term health economics associated with dialysis dependence could be positively affected.

Location: Seaport F

GRIFOLS - Symposium Luncheon - Non-CME

Issues in Fluid Management in the Critical Care Setting

Dr. Andrew Shaw and Dr. John Kellum will discuss the spectrum of physiological changes that occur over time in critically ill patients and the physiologic effect of different fluid types that could be administered. The presented concepts will also be discussed in the context of illustrative patient cases. Dr. Lakhmir Chawla will moderate this symposium.

Location: Seaport H

THURSDAY - 12:40-2:00

ALEXION - Symposium Luncheon - Non-CME

Advances in the Diagnosis and Management of Systemic and Progressive TMAs

Systemic TMA is a process of widespread thrombi and inflammation in the small blood vessels of vital organs throughout the body. The multiple thrombi and inflammation occurs throughout the body, affecting the brain, kidneys, heart, organs of the gastrointestinal system, and lungs. The clinical presentation of aHUS can have significant clinical overlap (signs and symptoms) with other diseases, some of which are caused by systemic TMA such as TTP and STEC-HUS.

Location: Gaslamp AB

ASTUTE - Symposium Luncheon - Non-CME

New AKI Biomarkers, a Revolution in Risk Assessment

Current tools to identify Acute Kidney Injury (AKI) have remained mostly unchanged for decades and have focused primarily on functional renal change. Join this educational symposium to learn about novel AKI biomarkers of early renal stress.

Location: Balboa ABC

AGENDA Lakhmir Chawla - Chair and Moderator - 5 mins. Introduction

John Kellum - Latest Findings of Cell Cycle Arrest Biomarkers - 25 mins.

Andy Shaw - Implications for Management of AKI - 20 mins.

Alex Zarbock - Practical Cases - 20 mins.

Q&A 10 mins.

SPECTRAL DIAGNOSTICS - Focus Group Luncheon - Non-CME

Endotoxin Measurements and Treatment for Endotoxemia: Who, How, What and Why

Speakers include Dr. Phillip Dellinger, Dr. David Klein and Dr. Gualtiero Guadagni

Join us for an update on the EUPHRATES trial. In addition, the discussion will explore the potential role of endotoxin as marker, mediator and potential therapeutic target with PMX in other disease states including trauma, AKI, burns, cardiac surgery and others.

Location: Gaslamp CD

SOCIAL ACTIVITIES (Non-CME)

Location: Harbor Ballroom A-F

Welcome Reception and Poster Review Tuesday, March 4, 2014 6:00pm-7:30pm

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, March 5, 2014 6:00pm-7:30pm

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.

PROGRAM

MONDAY, MARCH 3

5:00-8:00pm Conference Registration Open - Harbor Foyer See page 5 for Monday's Industry Workshop

Opening Remarks - Ravindra Mehta, MD

TUESDAY, MARCH 4

7:30am Conference Registration Open

PRE-CONFERENCE AKI SYMPOSIUM - PW1 (CME Available)

Changing Paradigms in Acute Kidney Injury: From Mechanisms to Management

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

CRRT Conference registration is **NOT** required for this elective symposium.

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. See page 8 for full AKI Symposium schedule.

Location: Hillcrest ABCD

7:55 am

PLENARY 1	Molecules, Mechanisms and Targets Co-Chairs: Anupam Agarwal, MD and Bruce Molitoris, MD
8:00-8:10	Session Introduction - Anupam Agarwal, MD
8:10-8:30	Intracellular Pattern Recognition Receptors and Renal Ischemia - Dianne McKay, MD
8:30-8:50	Inflammation, Hypoxemia, Nitric Oxide and ROS Conspire to Injure the Kidney - Can Ince, PhD
8:50-9:10	Pyruvic Acid: At the 'Cross Roads' of Cellular Energetics, Inflammation, and
	Cytoresistance - Richard Zager, MD
9:10-9:30	Tubular Changes in the Early Diabetic Kidney-Affecting the Susceptibility to AKI? - Volker Vallon, MD
9:30-9:50	Nrf2 Modulation for AKI - Beyond Bardoxylone - Hamid Rabb, MD
9:50-10:00	Session Summary - Bruce Molitoris, MD
10:00-10:15	Coffee Break
PLENARY 2	Of Mice and Men: Translational Research in AKI Co-Chairs: Paul Sanders, MD and Mark Okusa, MD
10:15-10:25	Session Introduction - Paul Sanders, MD
10:25-10:45	Individualizing the Response to Injury: Epigenetics of AKI- Daniel O'Connor, MD
10:45-11:05	Hemolytic Uremic Syndrome: An Evolving Disease - Giuseppe Remuzzi, MD
11:05-11:25	Attenuating the Immune Response in AKI: The Role of Alkaline Phosphatase - Peter Pickkers, MD
11:25-11:45	Renal Hemodynamics and Oxygenation in Sepsis-associated AKI - Prabhleen Singh, MD
11:45-12:05	Novel Models of AKI: Lessons from Leptospirosis - Joseph Vinetz, MD
12:05-12:15	Session Summary - Mark Okusa, MD
12:15-1:15 pm	Lunch Hosted by Conference - Laels
PLENARY 3	Improving Outcomes in AKI: What Should We Focus On? Co-Chairs: Lakhmir S. Chawla, MD and Paul Palevsky, MD
PLENARY 3 1:15-1:25	
	Co-Chairs: Lakhmir S. Chawla, MD and Paul Palevsky, MD
1:15-1:25	Co-Chairs: Lakhmir S. Chawla, MD and Paul Palevsky, MD Session Introduction - Lakhmir S. Chawla, MD
1:15-1:25 1:25-1:45	Co-Chairs: Lakhmir S. Chawla, MD and Paul Palevsky, MD Session Introduction - Lakhmir S. Chawla, MD Clinical Course Following AKI: Recovery vs Progression - Chris McIntyre, MD
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Conference Registration Open - Harbor Foyer

FULL DAY ELECTIVE WORKSHOP (CME Available)

PW2 - 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. The workshop will utilize case based discussions 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 participants will be divided into two teams, one led by Dr. Tolwani and one led by Dr. Cerda. The participants will go through case simulations and role-playing with their assigned team in the morning and then will switch to the other team in the afternoon. This allows all participants to participate in each physician-led group and go through each scenario covering all aspects of CRRT.

Learning Objectives:

Describe the underlying concepts of CRRT

Review the process of decision making for choice of CRRT therapy components and their implementation Utilize the tools provided to manage complex cases with CRRT.

Case moderators are underlined

Faculty:

David Askenazi, MD Stuart L. Goldstein, MD Ravindra L. Mehta, MD Linda Awdishu, PharmD, MAS Patty Graham, RN, MS, CCRN, CS Bruce A. Mueller, PharmD Luis Juncos, MD Catherine Wells, DNP, Jorge Cerda, MD Michael Connor, MD Eileen Lischer, MA, BSN, ACNP-BC, CNN-NP Noel Gibney, MB FRCP(C) RN. CNN

Location: Cortez Hill ABC (split sessions in Torrey Hills AB)

7:45-8:15	Opening Remarks and Pre-Test Jorge Cerda, MD & Ashita Tolwani, MD
8:15-10:15	Groups 1 & 2 - CASE 1 The Patient with AKI After Cardiac Surgery: Fundamental Concepts - Adult and Pediatric Patients Tolwani, Askenazi, Goldstein, Juncos & Wells
10:15-10:30	Coffee Break
10:30-12:00	Group 1 - CASE 4 The CRRT Patient with Dysnatremia - <u>Juncos</u> , Awdishu, Gibney & Wells Group 2 - CASE 2 The Patient with AKI and Cirrhosis - <u>Cerda</u> & Mueller
12:00-1:00	Lunch Hosted by Conference for Workshop Participants - Laels
1:00 -1:40	Groups 1 & 2 - CASE 3: Special Applications for CRRT: Toxins and ECMO Askenazi, Goldstein & Mueller
1:45-3:15	Group 1 - CASE 2 The Patient with AKI and Cirrhosis - Cerda & Mueller Group 2 - CASE 4 The CRRT Patient with Dysnatremia - Juncos, Awdishu, Gibney & Wells
3:15-3:30	Coffee Break
3:30-5:00	Groups 1 & 2 - CASE 5: The Patient with AKI and Sepsis, Nursing and Ethical Issues Connor, Awdishu, Graham, Lischer, Mehta & Wells
5:00-5:30	Post Course Assessment Test / Question and Answer - Cerda & Tolwani
5:30	Adjourn

HALF DAY ELECTIVE WORKSHOPS (CME Available)

8:00-12:30	TUESDAY MORNING (choose one)
70.1	Wild B. H. J. W. J. O. W. J. J.

Pier	HW1: Pediatric Hands-On Workshop
	Helen Currier, BSN, RN, CNN, CENP, Jolyn Morgan, RN II, CDN

Theresa Mottes, RN and Alisa Palazzolo, BSN, RN II

Golden Hill HW2: Nursing: Ensuring Patient Safety and Quality for RRT in AKI Saima Aslam, MD, Ian Baldwin, RN, PhD, ACCCN, Josée Bouchard, MD AB

Helen Currier, BSN, RN, CNN, CENP, Thomas A. Golper, MD, Patty Graham, RN, MS,

CCRN, CS, Eileen Lischer, MA, BSN, RN, CNN & Catherine Wells, DNP, ACNP-BC, CNN-NP

10:15-10:30 Coffee Break

1:30-5:30 TUESDAY AFTERNOON (choose one)

Solana Beach HW3: Peritoneal Dialysis

ABSteven R. Alexander, MD, Amelia Allsteadt, BSN,RN,CNN, Richard Amerling, MD &

Rajasekara Chakravarthi, MD, DNB (Nephrology)

HW4: Plasma Exchange and Hybrid Techniques BCOdette Ada, RN, Dinna Cruz MD, Jhun Marquez, RN, Emmett Ratigan MD,

Amber Sanchez, MD & David M. Ward, MD, FRCP

3:15-3:30 Coffee Break

Promenade

WEDNESDAY MORNING, MARCH 5

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

7:00-8:00 Coffee Served

MEET THE EXPERT BREAKFAST SESSIONS - CME Available

7:15-8:15 (elective sessions, see pg. 4 for details)

Cove Session 1 - How do I Manage Patients with High Risk for AKI in the ICU (ME1)

Kathleen Liu, MD and Andrew Shaw, MD

Pier Session 2 - How do I Assess and Follow Up Patients After an Episode of AKI (ME2)

Glenn Chertow, MD and Chris McIntyre, MD

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 Issues;

F: Dialysis techniques and Pediatric applications; G: Optimizing Renal Support

8:30-10:00a	m GROUP 1 - SIMULTANEOUS STANDARD WORKSHOPS (choose one)
A01 Golden Hill AB	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. Zoltan Endre, MD, PhD, Stuart L. Goldstein, MD, Patrick T, Murray, MD
B02	
Torrey Hills AB	Case based discussions on best practices to maintain circuits for CRRT focusing on the Access, Anticoagulation and Monitoring. Citrate anticoagulation. David Askenazi, MD, Oliver Joannes-Boyau, MD, Luis Juncos, MD
C03	Vexing Problems in ICU Patients 1: Acid Base and Electrolyte, Sedation, Resistant
Promenade A	Infections, C-diff, the Obese Patient (C, N, AP) Case based discussions for adjustments in drug dosing, renal support and monitoring of complex ICU patients with comorbidities and drug resistant infections. Bradley Dixon, MD, Miet Schetz, MD, PhD
D04	
Solana Beach AB	Diagnosis, Therapy, 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. Geoffrey Fleming, MD, Heather Patton, MD
E05	Challenges in Critical Care Nephrology Nursing 1: Patient Assessment,
Promenade B	Preparation, Therapy and Monitoring (C, N, AP) Principles and best practices for nursing assessment, preparation & monitoring of patients undergoing RRT. Ian Baldwin, RN, PhD, ACCCN, Helen Currier, BSN, RN, CNN, CENP, Patty Graham, RN, MS, CCRN, CS
F06	Renal Support in the ICU with IHD, PIRRT, PD, Hybrid Devices (A)
Bankers Hill	Comparisons of operational characteristics including anticoagulation, membranes, solutions and flows and approaches for ongoing and future research. Richard Amerling, MD, Emmanuel Burdmann, MD, PhD, Rajasekara Chakravarthi, MD
G07	
Ocean Beach	Intradialytic Hypotension, Fluid and Electrolytes (C, N) Case based discussions of related complications in ICU patients. Amelia Allsteadt, BSN,RN,CNN, Nitin Kolhe, MD, Marlies Ostermann, MD

CONCURRENT FOCUSED SYMPOSIA (CME Available for All)

These focused symposia are offered in 3 categories (3 sessions in each category) on Wednesday and Thursday and run concurrrently with the Standard Workshops. Sessions can be taken as a group (3) or independently. Selections made during online registration process.

	•	
8:30-1	10:00am	SESSION 1 (choose one)
Cortez	FS1	Fluid Assessment and Management in Critically Ill - Session 1 of 3 (FS1, FS4, FS7) Assessment of Fluid Responsiveness, Hemodynamic Monitoring and Targets Can Ince, PhD, Kianoush Kashani, MD, Monty Mythen, MB BS, FRCA, MD, FFI
Hill	FS2	Economics of Acute Kidney Injury - Session 1 of 3 (FS2, FS5, FS8) Methodology
Hillcres		Glenn Chertow, MD, William L. Macias, MD, PhD, Andrew D. Shaw, MB FRCA FCCM FFICM
		Research Design and Conduct - Session 1 of 3 (FS3, FS6, FS9)
	FS3	Basic and Translational Science Models: Relevant for AKI, Resources,
Hillcres CD	st	Tools and Techniques Bruce A. Molitoris, MD, Paul Sanders, MD, Volker Vallon, MD

10:00-10:15am Coffee Break

WEDNESDAY MORNING, MARCH 5

STANDARD WORKSHOPS - GROUP 2 (CME Available for All)

10:15-11:45am GROUP 2 - SIMULTANEOUS STANDARD WORKSHOPS (choose one) Using Kidney Biomarkers for AKI 2: Differential Diagnosis, Interventions and Prognosis (C, N, AP) Golden Strategies for the effective use of kidney biomarkers for managing patients with AKI to guide Hill AB interventions and predict outcomes. Prasad Devarajan, MD, Kent Doi, MD, Edward Siew, MD CRRT for the Experienced User 1 (I, N, AP) Torrey Interactive case based discussions on dose adjustments, monitoring for adequacy, modality changes. Hills AB William R. Clark, MD, Rolando Claure, MD, FASN, Claudio Ronco, MD Critical Care Management: Nutrition Assessment and Delivery (I, N, AP) C10 Pathophysiology of malnutrition in critically ill patients. Principles of nutritional assessment Promenade and support and adjustments for RRT. Michael Joannidis, MD, Peter Pickkers, MD, PhD D11 Managing Patients with Sepsis 1: Pathophysiology, Diagnosis, Assessment, Resuscitation, Drug Management, Techniques for Disease Modification, Organ Solana Support and Renal Protection (C, N, AP) Beach AB Case based discussions on pathophysiology of sepsis, rationale and strategies for fluid and vasopressor use for resuscitation and supportive therapy with the sepsis bundle. Rajit Basu, MD, Patrick M. Honoré, MD, PhD, Miet Schetz, MD, PhD E12 Challenges in Critical Care Nephrology Nursing 2: Combined CRRT with ECMO, Pheresis, Sorbents, Operating Room (I, N, AP) Promenade Techniques, applications, monitoring and practical issues for implementation. B Ian Baldwin, RN, PhD, ACCCN, Eileen Lischer, MA, BSN, RN, CNN, Alisa Palazzolo, BSN, RN II F13 Pediatric Dialysis Techniques 1: Patient Assessment, Prescription, Dosing, Delivery, Implementation and Monitoring (I, N, AP) Bankers Technique requirement and application for use in children excluding neonates. Covering Hill epidemiology of pediatric acute kidney injury, and a focus on the pediatric CRRT prescription (anticoagulation, fluid composition, modality, and nutrition provision), as well as outcome in pediatric CRRT. Theresa Mottes, RN, Scott Sutherland, MD, Jordan M. Symons, MD G14 Starting and Stopping RRT for AKI: Principles and Practice (A)

CONCURRENT FOCUSED SYMPOSIA (CME Available for All)

Principles of determining when to start and stop RRT. Case based discussion of various approaches.

Etienne Macedo, MD, PhD, Ravindra L. Mehta, MBBS, MD, DM, FACP

These focused symposia are offered in 3 categories (3 sessions in each category) on Wednesday and Thursday and run concurrently with the Standard Workshops. Sessions can be taken as a group (3) or independently. Selections made during online registration process.

10:15-11:45am **SESSION 2** (choose one) Fluid Assessment and Management in Critically Ill - Session 2 of 3 (FS1, FS4, FS7) Fluids and Solutions Crystalloids, Colloids and Blood Products: When and How to Use FS4 Matthias Jacob, MD, John Prowle, MA MSc MD MRCP FFICM, Cortez Andrew D. Shaw, MB FRCA FCCM FFICM Hill Economics of Acute Kidney Injury - Session 2 of 3 (FS2, FS5, FS8) FS5 Diagnosis, Prognosis and Therapy Hillcrest Lakhmir S. Chawla, MD, John A. Kellum, MD, William L. Macias, MD, PhD ABResearch Design and Conduct - Session 2 of 3 (FS3, FS6, FS9) FS6 Clinical Research: Design Issues for Observational Studies, Prevention and Interventional Trials. Analysis of Large Data Sets, Where to Find Information Hillcrest CDZoltan Endre, MD, PhD, Vivek Jha, MD, Chirag Parikh, MD, PhD

11:45am-1:00pm Conference Lunch - Marina Courtyard

Ocean

Beach

Industry Luncheons (RSVP required)

See page 5 for Industry Luncheon descriptions and locations

WEDNESDAY AFTERNOON, MARCH 5

SESSION I: PATIENT CHARACTERISTICS (CME Available - All Sessions)

Location: Harbor Ballroom GHI (all Plenary Sessions)

3:45-4:15

Coffee Break

1:10-3:45	Plenary 1 - MINI-SYMPOSIA Organ Dysfunction in the Critically Ill Patient: Emerging Concepts	4:15-6:30	Plenary 2 - MINI-SYMPOSIA Acute Kidney Injury (AKI): Pathophysiology
Co-Chairs:	William L. Macias, MD, PhD Prasad Devarajan MD	Co-Chairs:	Bruce Molitoris, MD Chris McIntyre, MD
1:10-1:15	Opening Remarks Ravindra L Mehta, MD, FACP	4:15-4:30	Subclinical AKI: A New Entity Claudio Ronco, MD
1:15-1:30	Human Adaptations to Hypoxia: Lessons for Critical Illness Monty Mythen, MD	4:30-4:45	The Rising Tide of AKI - Epidemic or Hype? Edward Siew, MD
1:30-1:45	Prospects for a Vascular Therapy in Sepsis	4:45-5:00	Consequences of Hypoxia in AKI Kent Doi, MD
1:45-2:00	Samir Parikh, MD Pathophysiology of Critical Illness: The Role of Glycocalyx	5:00-5:15	Community-acquired AKI in Tropical Countries Vivek Jha, MD
2:00-2:15	Matthias Jacob, MD Critical Care "Normality":	5:15-5:30	Atypical HUS and AKI Bradley Dixon, MD
2.00 2.13	Individualized Versus Protocolized Care Julia Wendon, MD	5:30-5:50	The Furosemide Stress Test: A Means to Evaluate Incipient AKI? Lakhmir Chawla, MD
2:15-2:30	Modulating the Human Innate Response: The "Iceman Cometh" Peter Pickkers, MD	5:50-6:00	Panel Discussion Moderator: Noel Gibney, MD
2:30-2:45	Spleen the Forgotten Organ in Critical Illness	6:00	Adjourn
	Mark Okusa, MD	6:00-7:30	EXHIBIT RECEPTION,
2:45-3:00	Acute Lung injury and ARDS: What's New?		POSTERS & ORAL PRESENTATIONS
	Kathleen Liu, MD, PhD, MAS		Harbor Ballroom A-F
3:00-3:25	SPECIAL LECTURE ISN "0 by 25" A Human Rights Case for Health Equity: Acute Kidney Failure in Poor Countries Should No Longer be a Death Sentence Giuseppe Remuzzi, MD		
3:25-3:45	Panel Discussion Moderator: John Kellum MD		



THURSDAY MORNING, MARCH 6

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

7:00-8:00 Coffee Served

MEET THE EXPERT BREAKFAST SESSIONS - CME Available

7:15-8:15 (elective sessions, see pg. 4 for details)

Cove Session 3 - How I Assess Patients in the ICU and My Approach to Oliguria (ME3)

John Kellum, MD and Marlies Ostermann, MD

Pier Session 4 - How I Use the KDIGO AKI Guidelines to Manage Patients (ME4)

Paul Palevsky, MD and Claudio Ronco, MD

STANDARD WORKSHOPS - GROUP 3 (CME Available for All)

8:00-9:30am	GROUP 3 - SIMULTANEOUS STANDARD WORKSHOPS (choose one)
A15	Optimal Care for AKI: The 5 R Approach (C, N, AP)
Golden Hill AB	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 response, rehabilitation and referral for AKI will be discussed. Jorge Cerda, MD, FACP, FASN, Stuart L. Goldstein, MD, Andrew Lewington, MD
B16	CRRT for the Experienced User 2: Solutions, Fluid Removal Fluid Balance,
	Monitoring (A)
Torrey Hills AB	Interactive case based discussion on strategies for fluid management in CRRT to achieve patient driven outcomes for fluid, electrolyte and acid base balance. Matthias Jacob, MD, Ravindra L. Mehta, MBBS, MD, DM, FACP John Prowle, MA MSc MD MRCP FFICM
C17	Drug Induced Kidney Injury in the ICU: Mechanisms, Susceptibility, Diagnosis,
Promenade A	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 Rajit Basu, MD, Linda Awdishu, PharmD MAS, Michael Joannidis MD
D18	Managing Heart Failure and Cardio-Renal Syndrome: Pathophysiology, Diagnosis,
	Drug Management, Ultrafiltration, Renal Support and RRT for Patients with
Solana Beach AB	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. Dinna Cruz, MD, MPH, Peter A. McCullough, MD, MPH
E19	Patient Centered Care: Enhancing Communications and Care Delivery (C, N, AP)
Promenade B	Taking good care of patients requires communication and understanding of patient and loved ones' needs. This workshop will discuss the principles and practice of patient centered care utilizing case studies. Steven R. Alexander, MD, Patty Graham, RN, MS, CCRN, CS, Jolyn Morgan, RN II, CDN
F20	Pediatric Dialysis Techniques 2: CRRT in the Newborn, ECMO, Combination
Bankers Hill	Therapies, Drug Dosing, Transitions (C, N, AP) Pathophysiology and management of metabolic disorders, neonatal AKI and intoxications with CRRT. David Askenazi, MD, Geoffrey Fleming, MD
G21	Ethical Issues in the ICU: Withdrawing & Withholding Renal Support for AKI (C, N, AP)
Ocean Beach	Factors influencing decisions for withholding and withdrawing dialysis in the management of critically ill patients. General principles for ethical decisions and how an approach can be developed to manage patients requiring dialysis. Rolando Claure, MD, FASN, Noel Gibney, MB FRCP(C)

CONCURRENT FOCUSED SYMPOSIA (CME Available for All)

These focused symposia are offered in 3 categories (3 sessions in each category) on Wednesday and Thursday and run concurrrently with the Standard Workshops. Sessions can be taken as a group (3) or independently. Selections made during online registration process.

	SESSION 3 (choose one)
Cortez Hill FS7	Fluid Assessment and Management in Critically Ill - Session 3 of 3 (FS1, FS4, FS7) Vasopressors and Inotropes and Combinations with Fluid Patrick D. Brophy, MD, MHCDS, Phil Dellinger, MD, Miet Schetz, MD, PhD
Hillcrest AB FS8	Economics of Acute Kidney Injury - Session 3 of 3 (FS2, FS5, FS8) Economics of Devices and Support Techniques Sean Bagshaw, MD, MSc, FRCPC, Nitin Kolhe, MD, Antoine Schneider, MD
Hillcrest CD FS9	Research Design and Conduct - Session 2 of 3 (FS3, FS6, FS9) Nursing and Pharmacy Research: Asking the right questions looking for data, setting up the study, funding issues, data analysis and presentation Ian Baldwin, RN, PhD, ACCCN, Bruce A. Mueller, PharmD

9:30-9:45 Coffee Break

THURSDAY MORNING/AFTERNOON, MARCH 6

SESSION II: CONTROVERSIES IN CRITICAL CARE NEPHROLOGY

9:45-12:30	Plenary 3 - MINI-SYMPOSIA Tribal Customs in Critical Care	Part 2	At Risk for AKI: What Should We Do?
	Nephrology: Why We Do What We Do	10:40-10:55	ACE/ARB's: Stop or Continue?
Co-Chair:	Claudio Ronco, MD	10.55.11.10	Chirag Parikh, MD, PhD
	John Prowle, MD	10:55-11:10	Focus on Hydration Paul Palevsky, MD
Part 1	FLUID Management Strategies for Resuscitation and Hemodynamic Support Recommendations From ADQI 12	11:10-11:25	Prevention of AKI in Sepsis Michael Joannidis, MD
		11:25-11:40	Non-Traumatic Rhabdomyolysis
9:45-9:55	Assessment of Plasma Volume	11 10 11 77	Patrick M. Honoré, MD, PhD
	Bruce Molitoris, MD	11:40-11:55	Statins for AKI: Friend or Foe? Peter McCullough, MD
9:55-10:05	Diagnostics for Vascular Health Can Ince, PhD	11:55-12:15	SPECIAL LECTURE
10:05-10:15	What Type of Fluid to Give? Patrick Murray, MD		Lessons from Surviving Sepsis Campaign Guidelines Phil Dellinger, MD
10:15-10:25	When and How to Give Fluid Ravindra L. Mehta, MD	12:15-12:30	Panel Discussion Moderator: Andrew D. Shaw, MB
10:25-10:40	Fluid Mobilization Marlies Ostermann, MD		FRCA
		12:30-12:40	Top Abstract Awards

12:40-2:00 Conference Lunch - Marina Courtyard

Industry Luncheons (RSVP required)

See page 5 for Industry Luncheon descriptions and locations

	SESSION III: EMERGING	CONCEPTS	IN AKI AND RRT
2:00-3:30	Plenary 4 MINI-SYMPOSIA Targeting Renal Recovery: Report From the Roundtable	4:00-6:00	Plenary 5 MINI-SYMPOSIA Challenges and Controversies in Renal Support and CRRT
Co-Chairs:	Li Yang, MD Dinna Cruz, MD	Co-Chairs:	Stuart Goldstein, MD Miet Schetz, MD
2:00-2:15	Epidemiology of Renal Recovery: What do We Know? Sean Bagshaw, MD	4:00-4:15	Circulatory Stress During Dialysis: Contributor to Endotoxemia? Chris McIntyre, MD
2:15-2:30	Biology of Renal Recovery: Molecules, Mechanism and Pathways Mark Okusa, MD	4:15-4:30	Can We Use Biomarkers to Refine RRT? Dinna Cruz, MD
2:30-2:45	Enhancing Recovery After AKI: Targets and Interventions Kathleen Liu, MD	4:30-4:45	Time, Timing and Timeliness: Changing Paradigms for RRT Ravindra L Mehta, MD
2:45-3:00	The Economics of Renal Recovery Andrew D. Shaw, MB FRCA	4:45-5:00	Intradialytic Hypotension: The Holy Grail for RRT
3:00-3:15	Management of the AKI Survivor: It Takes a Village Chris McIntyre, MD	5:00-5:15	Nitin Kolhe, MD Peritoneal Dialysis: An Alternate CRRT for AKI?
3:15-3:30	Long Term Outcomes After Renal Epithelial Cell Cycle Arrest Lakhmir S. Chawla, MD	5:15-5:30	Rajasekara Chakravarthi, MD, DNB Assessing the Impact of AKI on Convalescent Renal Function at
3:30-4:00	Panel Discussion Moderator: Peter Mccullough, MD		Hospital Discharge John Prowle, MD
3:30-4:00	Coffee Break	5:30-5:45	Adapting to Adversity: Drug Shortages in CRRT Ashita Tolwani, MD
		5:45-6:00	KIDMO - Kidney Interventions During Membrane Oxygenation Geoffrey Fleming, MD
		6:00	Adjourn - Free Evening

FRIDAY MORNING, MARCH 7

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

7:00-8:00am Coffee Served

SESSION IV: IMPROVING OUTCOMES IN AKI

7:30-10:15 Plenary 6 8:30-8:45 eResearch and Big Data:
MINI SYMPOSIA Why Personalized Medicine is
Raising Awareness of AKI "Made For" AKI

Co-Chairs: Jorge Cerda, MD
Paul Palevsky, MD
John Kellum, MD
8:45-9:00
How do We Improve Global AKI

7:30-7:45 Using EMR Data to Identify and Medical Education

Andrew Lewington, MD

Using EMR Data to Identify and Andrew Lewington, MD Predict AKI Events

9:00-10:15 The Changing Face of AKI:
Scott Sutherland, MD

7:45-8:00 Drug Induced Kidney Injury:

9:00-10:15 The Changing Face of AKI:
Snapshots from Around the World
Australia - Zoltan Endre MD

Lessons from the O'Brien Center
DIRECT Study
Linda Awdishu, PharmD, MAS

Australia - Zoltan Endre, MD
Brazil - Emmanuel Burdmann, MD
India - Vivek Jha, MD

8:00-8:15 Predicting AKI in the ICU UK - Marlies Ostermann, MD
Europe - Oliver Joannes-Boyau, MD

Etienne Macedo, MD

Etienne Macedo, MD

China - Li Yang, MD

Biomarkers in AKI:

Japan - Kent Doi, MD

Ready for Prime Time?
Kianoush Kashani, MD 10:15-10:45 Coffee Break

SESSION V: FUTURE TRENDS IN CRRT AND CRITICAL CARE

10:45-1:00 Plenary 7
MINI SYMPOSIA
4. STARRT Trial Timing of Dialysis

Emerging Strategies in AKI and
Extracorporeal Support
Sean Bagshaw, MD
5. Abbvie Trial for Post Op AKI

Extracorporeal Support

Co-Chairs: Andrew Lewington, MD

5. Abbvie Trial for Post Op AKI Samina Khan, MD

Vivek Jha, MD

6. Thrasos Trial for Post Cardiac Surgery AKI

12.20 Under from Opening and

10:45-12:30 Update from Ongoing and Late Breaking Trials James A. Tumlin, MD

7. Topaz Trial

(see website for presenter list)

(approx. 10 minutes each)

John A. Kellum, MD

Robert Brenner, MD

1. Polymixin Binding Filter for

Service FUDID ATTES Tried

12:30-12:55 Critical Care Nephrology:
Literature Review

Sepsis: EUPHRATES Trial
Phil Dellinger, MD

Cite at the Review Noel Gibney, MD

2. ZS-9 Trial 12:55-1:00 Closing Remarks

Bhupinder Singh, MD Ravindra L. Mehta, MD, FACP

3. Stem Cells for AKI:

Allocure Trial

1:00

Conference Adjourns

Mark Your Calendar Now for 2015!!



ORAL PRESENTATIONS AND POSTER LIST

CME CREDIT DOES NOT APPLY FOR POSTER SESSIONS

Posters are listed with lead authors only, see abstract in the conference syllabus or actual posters for complete author list. Viewing of all posters: **Tues. 6:00-7:30pm & Wed. 6:00-7:30pm.**

Special Sessions - Oral Presentations

Tuesday March 4, 6:00-7:30pm Harbor Ballroom A-F

Session .	A
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EPI and Outcomes

Co-Chairs:
Patrick Murray and

Josee Bouchard

11. Braun, Andrea*

15. Botdorf, Joshua*

27. Balderas Juarez, J*

5. Venegas Justiniano, J*

6. Schetz, Miet

13. Patil, Neha 7. Schetz. Miet

22. Powell, T Clark

16. Sileanu, Florentina

12. Askenazi, David

* denotes Fellow

Session B

Basic Research in AKI

Co-Chairs:

Samir Parikh and

Roland Blantz

36. Peng, Zhiyong

34. Pottumarthi, Prasad

37. Gomez, Hernando

52. Cantaluppi, Vincenzo

38. Askenazi, David

45. Wen, Xiaoyan 48. yan Elsas, Andrea

44. Wen, Xiaoyan

49. Won Min, Hwang 77. Zhang, Jicheng Session C

RRT Technique Characteristics and RRT

Targeted Applications

Co-Chairs:

Marlies Ostermann and

Kianoush Kashani

53. Walther, Carl*

57. Grover, Vanya* 58. Chebib, Fouad

56. Zanella, Monica

60. Iacovella, Gina*

63. Carlsson, Ola 64. Saxena, Anil

65. Vega, Molly

66. Vincenzo. Cantaluppi

84. Guru, Pramod

Wednesday March 5, 6:00-7:30pm Harbor Ballroom A-F

Session A

EPI and Outcomes

Co-Chairs:

Emmanuel Burdmann and

Sean Bagshaw

18. Bransi, Myriam

20. Maccariello, Elizabeth

24. Sevag, Demirjian

17. Li, Zhang

28. Vazquez-Rangel, Armando

26. Quercia, Alessandro

23. Powell, T Clark

8. Wijewickrama, Eranga

21. Rege, Tanvi

21. Rege, Tanvi 25. De La Garza, Keila

* denotes Fellow

Session B

Clinical Research in AKI

Co-Chairs:

Michael Joannidis and Chirag Parikh

Cilliag Falikii

33. Cheungpasitporn, Wisit*

42. Kaddourah, Ahmad*

43. Parr, Sharidan*

29. Solomon, Richard 40. Zarbock, Alexander

46. Goldstein, Stuart

51. Neyra, Javier*
32. Akrawinthawong, Krittapoom*

47. Yamashita, Tetsushi*

71. Stevenson, Emma*

Session C

New Technology RRT Research & Nursing Issues

Co-Chairs: Ian Baldwin

Luis Juncos

73. Parekkadan, Biju

72. Oh, Joon Seok

69. Garzotto, Francesco68. Ludes, Scott

30. Sakai, Masahito*

79. Lewis, Susan* 83. Murugan, Raghavan

85. McCarthy, Paul

86. Benfield . C Brett (NAP)

89. McMillan, Cynthia (NAP)

Epidemiology & Outcomes from AKI

- 1. Withdrawn
- 2. Withdrawn
- 3. Morbidity and Mortality Multicenter Behavior of Acute Kidney Injury. Two Decades Follow-up Nadienka Rodríguez Ramos

4. Acute Kidney Injury According to "RIFLE" Criteria on Patients Admitted in Intensive Care Unit.

Nadienka Rodríguez Ramos

5. Clinical and Epidemiological features in patients with Acute Kidney Injury in a Critical Care Unit in Lima-Peru

Joanna Yanissa Venegas Justiniano

6. eGFR versus Creatinine Clearance for Evaluation of Recovery from AKI

Miet Schetz

7. Recovery from AKI Assessed by KDIGO Criteria Miet Schetz

8. Acute Kidney Injury in a Medical Intensive Care Setting; Single Unit Experience Eranga Wijewickrama

9. Withdrawn

9. wunarawn 10. Withdrawn

11. Vascular Surgery Kidney Injury Prediction Score (vsKIPS): A Multivariate Derivation Cohort

Andrea Braun

12. Urine Biomarkers Predict Acute Kidney Injury (AKI) , Bronchopulmonary Dysplasia (BPD) and Mortality in Very Low Birth Weight (VLBW) Infants

David Askenazi

13. Incidence, Risk Factors and Outcome of Acute Kidney Injury in Very Low Birth Weight Infants Neha Patil

14. Association between Acute Kidney Injury and Bronchopulmonary Dysplasia in Very Low Birth Weight Infants

Neha Patil

15. Clinician Failure to Document Acute Kidney Injury in the Intensive Care Unit Joshua Botdorf

16. Acute Kidney Injury in "Low-Risk" Patients in Intensive Care

Florentina Sileanu

17. Risk Factors for Acute Kidney Injury in the Lushan earthquake victims

Zhang Li

18. Concordance of pRIFLE Criteria for Identification of Acute Kidney Injury in Pediatric Patients Following Cardiopulmonary Bypass Cardiac Surgery

Myriam Bransi

19. Epidemiology of Acute Kidney Injury Following Cardiopulmonary Bypass in Pediatric Cardiac Surgery Patients

Myriam Bransi

20. Prognostic Value of Dysnatremia in Patients in Need of Renal Replacement Therapy in intensive care units

Elizabeth Maccariello

21. Acute Kidney Injury in the Intensive Care Unit of an Inner City Teaching Hospital Tanvi Rege

14

POSTER LIST

- 22. Characteristics of Patients with Community-Acquired Acute Kidney Injury T Clark Powell
- 23. Acute Kidney Injury A Tale of Two **Medical Centers**

T Clark Powell

24. Incidence o Acute Kidney Injury Following **Left Ventricular Device Implantation:** Cleveland Clinic Experience

Demirjian Sevag

25. Continuous Renal Replacement in Pediatric Patients with Acute and Acute-on-chronic Liver Failure

Keila De La Garza

26. Retrospective Analysis of AKI Incidence and Dialysis Modality in Patients with Multiple Myeloma (MM): Impact on Outcome and **Residual Renal Function**

Alessandro Quercia

27. Comparison of Absolute vs Relative Increases in Creatinine to Define Acute Kidney Injury

Joana Balderas Juarez

28. Mexican Survey on Current Practices in **Acute Kidney Injury in Critically Ill Patients:** From the AKIMEX Collaborative Group

Armando Vazquez-Rangel

Research in AKI

29. Survival Advantage for High Dose **Bicarbonate in CKD Patients Undergoing** Angiography: the BOSS trial

Richard Solomon

30. Efficacy of Continuous Haemodiafiltration Using a Polymethylmethacrylate Membrane Haemofilter (PMMA-CHDF) in the Treatment of Septic Shock and Acute Respiratory Distress Syndrome (ARDS)

Masahito Sakai

31. Renal Biomarker Levels in a Child Presenting with Newly Diagnosed Acute Lymphoblastic Leukemia and AKI Secondary to Tumor Lysis Syndrome

Richard Hackbarth

32. Subclinical And Clinical Contrast-Induced Acute Kidney Injury: Results From The ENCINO Study

Krittapoom Akrawinthawong

- 33. Actual Versus Ideal Body Weight For Acute Kidney Injury Diagnosis In Critically Ill Patients Wisit Cheungpasitporn
- 34. Change in Intra-Renal Oxygenation by **BOLD MRI as Early Marker of Iodinated** Contrast Induced AKI (CIAKI)

Prasad Pottumarthi

- 35. Withdrawn
- 36. Cell Cycle Arrest Biomarkers Predict Acute Kidney Injury and Survival in Septic Rats Zhiyong Peng
- 37. AMP-protein kinase activation may protect against sepsis-induced acute kidney injury (AKI) through mechanisms other than energy regulation Hernando Gomez
- 38. Genetic Polymorphisms of Heme-oxygenase 1 (HO-1) may Impact on Acute Kidney Injury (AKI), Bronchopulmonary Dysplasia (BPD) and Mortality in Very Low Birth Weight (VLBW) Infants

David Askenazi

39. Comparison of Sustained Hemodiafiltration (SHDF) with Continuous Venovenous Hemodiafiltration (CVVHDF) for the Treatment of Critically III Patients with Acute Kidney Injury

Masanori Abe

40. Urinary TIMP-2 and IGFBP7 as early biomarkers of acute kidney injury and renal recovery following cardiac surgery

Alexander Zarbock

41. The PAKI (Pediatric Acute Kidney Injury) Registry

Francesco Garzotto

42. Kidney Injury Molecule-1 (KIM-1) Is the Best Urinary Biomarker to Detect Cardiorenal Syndrome In Children with Systolic Left Ventricular Dysfunction

Ahmad Kaddourah

43. Urinary L-FABP Predicts Poor Outcomes in Critically Ill Patients With Early AKI Sharidan Parr

44. Cell-cycle arrest as a mechanism for sepsis-associated acute kidney injury Xiaoyan Wen

45. Effects of T-Cell Immune Modulator AB103 on Experimental Sepsis-induced Acute Kidney Injury Xiaoyan Wen

46. Urinary NGAL is Elevated in Hospitalized Cystic Fibrosis Patients with Recent and **Increased Tobramycin Exposure**

Stuart Goldstein

47. Performance of Urine TIMP-2 in An Adult **Mixed Intensive Care Unit**

Tetsushi Yamashita

48. Recombinant Alkaline Phosphatase Modulates Inflammation and Injury in Two Rat Models of AKI.

Andrea van Elsas

49. Transgenic Mice With High Endogenous **Omega-3 Fatty Acid Are Protected From** Ischemia- Reperfusion-induced Acute Kidney Injury Hwang Won Min

- 50. Withdrawn
- 51. Hyperchloremia and Mortality Outcomes in **Critically ill Septic Patients**

Javier Neyra

52. Quorum Sensing (QS) Molecules Released by Gram Negative Bacteria induce tubular injury interacting with lipopolysaccharide (LPS): a new potential mechanism of sepsisassociated AKI

Vincenzo Cantaluppi

RRT Technique Characteristics

53. Determining Filtration Fraction for Continuous Veno-Venous Hemofiltration with Replacement Fluid Prefilter Dilution Carl Walther

54. The role of Combination of Continuous Veno-venous Hemofiltration and Hemoperfusion in Hyperlipidemia-induced Severe Acute Pancreatitis with two patients

Han Zhang

55. Automated Total Fluid Management by Aquarius SW 6.02.07

Jean-michel Lannoy

POSTER LIST

56. Neonatal Acute Kidney Injury Treated with Continuous Renal Replacement Therapy by a Dedicated Miniaturized Technology (CAR-PEDIEM)

Monica Zanella

57. Arteriovenous Access Use in End Stage Renal Disease Patients Receiving Continuous Renal Replacement Therapy

Vanya Grover

58. You make my blood run cold: Thermal loss of warmed replacement fluids during CRRT Found Chebib

59. Piperacillin-Tazobactam Concentrations in an In-Vitro Model of CVVH: Their Drastic Reduction and an Innovative Modality of Administration to Obtain Costant Serum Levels.

Michele Ferrannini

RRT Applications and Targeted Interventions

60. Using High Bicarbonate Concentration Replacement Solution in CVVH is Associated with Higher Mortality: a Retrospective Cohort Study Gina Iacovella

61. Seven cases of refractory Kawasaki disease treated with plasma exchange therapy

Mariko Sawada

62. Therapeutic Plasma Exchange in Pediatric Fulminant Liver Failure

Amy Arrington

63. The Use of a Phosphate-Containing Dialysis Fluid Reduces Episodes of Hypophosphatemia in CRRT Patients

Ola Carlsson

64. 'Locking' Untunneled Central Venous Catheters in Critically Ill ICU patients on RRT to Prevent CRBSI

Anil Saxena

65. Critically Ill Pediatric Patients on Continuous Renal Replacement Therapy Fail to Meet Nutrition Goals after Therapy Initiation Molly Vega

66. Protective Effect of Coupled Plasma-Filtration Adsorption (CPFA) on Bile-associated Cast Nephropathy and Tubular Injury through Direct Adsorption of Bilirubin and Liver-type Fatty Acid Binding Protein

Cantaluppi Vincenzo

New Technology

67. Continuous veno-venous hemofiltration treatment for severe acute myocarditis mainly manifesting in ventricular tachycardia

Xinli Cao

68. Use of Molecular Adsorbent Recirculating System (MARS) Therapy in children.

Scott Ludes

69. New technology for: CRRT, Plasma Exchange and Blood Exchange in Infants

Francesco Garzotto

 $70.\ With drawn$

71. AKI Electronic Alert

Emma Stevenson

72. Comparison of central venous pressure with cardiac output measured by non-invasive cardiac output monitoring in patients with continuous renal replacement therapy

Joon Seok Oh

73. Extracorporeal Mesenchymal Stromal Cell Therapy for Critical Care

Biju Parekkadan

74. Improvement of the 5L ACCUSOL CLEAR-FLEX Product Design for a Safe and User-friendly CRRT Therapy

Damien Valkeners

RRT Research

75. The Effect of On-Line Hemodiafiltration On Dry Weight Adjustment In Intradialytic Hypotensive Prone Patients: Comparative Study Between Conventional Hemodialysis and On-Line Hemodiafiltration

Sun Woo Kang

76. Low 25-Hydroxyvitamin D Level at Continuous Renal Replacement Therapy Initiation Predicts In-Hospital Mortality Kyung Don Yoo

77. Effects of a Novel Adsorbent on Septic Rats: in Vitro and in Vivo Study

Jicheng Zhang

78. Effect of On-line Hemodiafiltration on Dry Weight Adjustment in Intradialytic Hypotension-prone Patients: Comparative Study of Conventional Hemodialysis and Online Hemodiafiltration

Sunwoo Kang

79. Comparison of Drug Dosing Equations for Continuous Renal Replacement Therapy (CRRT) Susan Lewis

80. Withdrawn

81. Effective combination therapy of Polymyxin-B direct hemoperfusion and recombinant thrombomodulin for septic shock accompanied by disseminated intravascular coagulation: a historical controlled trial

Yamato Masafumi

82. Withdrawn

83. Timing of Renal Replacement Therapy and Mortality in Critically Ill Patients

Raghavan Murugan

84. Poor Outcomes With RVAD plus CRRTPramod Guru

85. In Vitro Clearance of Antiepileptic Medications via Continuous Venovenous Hemofiltration

Paul McCarthy

86. Using Lean Thinking to Reduce Waste in Continuous Renal Replacement Therapy in a Large Academic Medical Center

C Brett Benfield

Nursing Issues

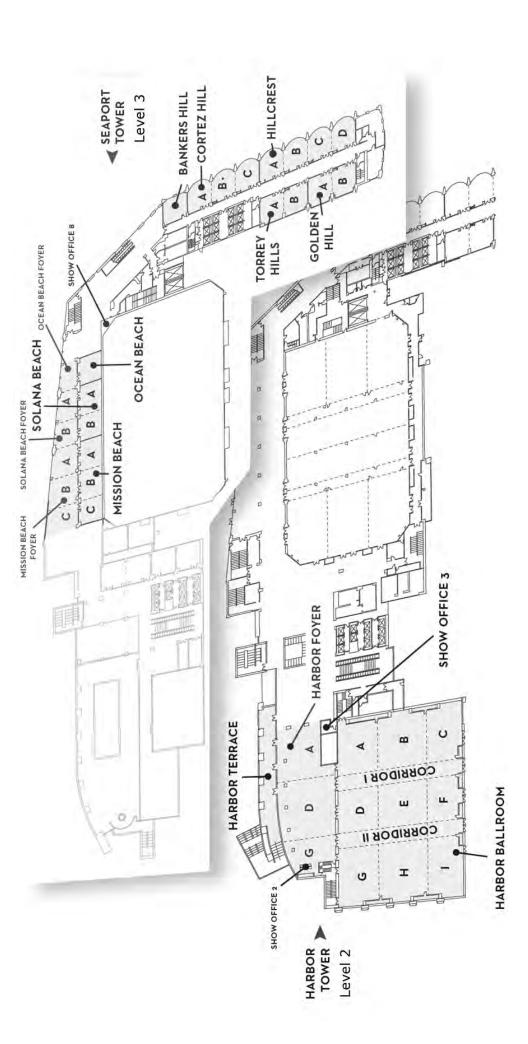
87. Focus Directed Re-EducationAlejandra Briseno

88. Implementing CRRT on a Neurocritical Care Unit

Danielle Jaskulski

89. Providing Optimal Tx Continuity through a Comprehensive Continuous Renal Replacement Therapy Nursing Education Program

Cynthia McMillan



ACKNOWLEDGEMENT of EXHIBITORS

19th International Conference on Advances in Critical Care

CRRT 2014

would like to acknowledge the following companies and organizations for exhibiting at this conference.

Grifols USA, LLC

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