3rd Annual Selections from
AKI & CRRT 2018
SAN DIEGO, CALIFORNIA

Presented in
Hyderabad, India
September 26th & 27th, 2018 at Hotel Novotel Airport, Hyderabad

Sponsored by CRRT Inc., STAR Hospitals & Renown Clinical Services, Hyderabad

The AKI&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. Please join us for this educational review of highlights from the 2018 conference.

E Lischer  E Macedo  R Mehta  M Okusa  M Ostermann  Qi Qian  A Tolwani  K Wille

INTERNATIONAL FACULTY
Critical Care Nephrology and CRRT Highlights:
Selections from the 23rd International AKI and CRRT Conference 2018

DAY 1: 26th SEPTEMBER 2018, WEDNESDAY

Session 1: 2:00 pm – 4:00 pm
Organ dysfunction and AKI in the Critically Ill patient
Co-Chairs: Dr. Sreebhusan Raju, Dr. Manjusha
2:00 pm – 2:20 pm: Molecules, Mechanisms and Therapeutic Targets in AKI ~ Mark Okusa
2:20 pm – 2:40 pm: Pathophysiology of Water Handling by the Kidney ~ Qi Qian
2:40 pm – 3:00 pm: Lung-Kidney Cross talk ~ Keith Wille
3:00 pm – 3:20 pm: Management of kidney dysfunction in setting of liver disease ~ Valentine Lobo

Session 2: Workshops 4:30 pm – 8:00 pm
4.30 pm – 6.00 pm: Workshops group 1 (Participants can select any one)
Workshop 1: Using Kidney Biomarkers for AKI: Risk Assessment, Diagnosis and Staging. Practical Issues for Use of Kidney Biomarkers for Assessing Risk and for Early Recognition and Interventions in AKI.
~ Etienne Macedo, Ramesh Venkatraman
Workshop 2: Managing Heart Failure and Cardio-Renal Syndrome Pathophysiology of heart failure, technical considerations, practical application and results of different methods to treat heart failure and cardio-renal syndrome including ultrafiltration techniques.
~ Marlies Ostermann, Sampath Kumar
6:00 pm – 6:15 pm: Break
6:15 pm – 7:45 pm: Workshops group 2 (Participants can select any one)
Workshop 3: Strategies for Fluid Management in CRRT Solutions, Fluid Removal, Fluid Balance and Monitoring. Interactive case based discussion to achieve patient driven outcomes for fluid, electrolyte and acid base balance ~ Ravindra Mehta, Qi Qian
Workshop 4: Managing Patients with Sepsis. Pathophysiology, rationale and strategies for fluid and vasopressor use and practical application of extracorporeal support techniques for sepsis.
~ Mark Okusa, Keith Wille, Srinivas Samavedam
7:45 pm: Adjourn
8:00 pm: Dinner

DAY 2: 27th SEPTEMBER 2018, THURSDAY

Session 2: 8:30 am – 10:30 am
Challenges and Controversies in ICU Management and RRT support
Co-Chairs: Dr. Rajiv Annigeri, Dr. Ganshyam
8:30 am – 8:45 am: Achieving fluid balance in the critically ill patient: Do’s and don’ts ~ Qi Qian
8:45 am – 9:00 am: Are diuretics still valuable for AKI?
~ Marlies Ostermann
9:00 am – 9:15 am: The Kidney in Sepsis ~ Mark Okusa
9:15 am – 9:30 am: Albumin replacement in RRT to improve fluid removal and reduce HDI ~ Etienne Macedo
9:30 am – 9:45 am: Forget the evidence: When do I start CRRT ~ Ravindra L Mehta
9:45 am – 10:00 am: Which anticoagulant for CRRT? ~ Ashita Tolwani
10:00 am – 10:15 am: Management of severe hypo and hypernatremia ~ Qi Qian
10:15 am – 10:30 am: Panel discussion
10:30 am – 11:00 am: Break (Industry Showcase 2)

Session 3: 11:00 am – 1:00 pm
Novel Strategies in AKI Management
Co-Chairs: Dr. Narayan Prasad, Dr. Sachin Soni
11:00 am – 11:15 am: Preventing AKI in the ICU: Current Guidelines
~ Marlies Ostermann
11:30 am – 11:45 am: Predicting Community based AKI: Is It Possible?
~ Etienne Macedo

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NURSES AND TECHNICIANS TRACK
26TH SEPTEMBER 2018, WEDNESDAY 10 am – 5.30 pm
10:00 am – 10:30 am: CRRT Principles ~ Eileen Lischer
10:30 am – 11:00 am: System Components and Set Up ~ Baxter Team
11:00 am – 11:30 am: Access, Membrane, Circuit ~ Baxter Team
11:30 am – 12:00 pm: Modality & Dose ~ Eileen Lischer
12:00 pm – 1:00 pm: Lunch
1:00 pm – 1:30 pm: Solutions & Fluid Management ~ Eileen Lischer
1:30 pm – 2:00 pm: Orders, Labs, Charting and Monitoring ~ Fresenius Team
2:00 pm– 2:30 pm: Integrating Multidisciplinary Support Team for CRRT Delivery ~ Fresenius Team
2:30 pm – 3:00 pm: Developing Quality Measures for CRRT Delivery ~ Eileen Lischer
3:00 pm – 3:30 pm: Break
3:30 pm – 5:30 pm: Simultaneous Hands on Sessions on CRRT – 30 minutes each

Session 1: Machine priming, Circuit Set Up, programing to Match Orders ~ Baxter Team
Session 2: Implementing Therapy delivery dose Adjustments, Fluid Balance ~ Eileen Lischer
Session 3: Therapy Monitoring and Troubleshooting Alarms, Therapy discontinuation ~ Baxter Team
Session 4: Connectology with Hybrid Systems ECMO, ECCOR, Apheresis ~ Eileen Lischer, Keith Wille
5.30 pm: Adjourn

11:45 am – 12:00 pm: Post-AKI Outcomes and Potential Intervention Points ~ Qi Qian
12:00 pm – 12:30 pm: Update on trials for AKI and Critical Care Nephrology: Literature Review ~ Ashita Tolwani
12:30 pm – 1:00 pm: CPC ~ Dr. Manisha Sahay, Dr Swarnalata
Discussants: Marlies Ostermann, Vishwanath Billa, Ravindra Mehta
1:00 pm – 2:30 pm: Lunch Symposium
Establishing Benchmarks for Quality for AKI and RRT: Although AKI is very commonly encountered in both the community and hospital setting and RRT remains the main therapy for this condition there are no guidelines for quality measures for AKI management. This session will provide a framework for developing and implementing quality measures for AKI and RRT use to reduce variation and improve patient outcomes.
~ Ashita Tolwani, Qi Qian, Etienne Macedo

Session 4: Interactive CRRT Workshops — 2:30 pm – 6:30 pm
CRRT workshops – These interactive workshops will use a case-based approach to provide training on different aspects of CRRT. Participants will be guided on user interfaces and the strategies for prescribing and delivering dose for solute and fluid management, adjustments in therapy parameters, recognition and management of complications.
2:30 pm – 2:45 pm: Pre-test
2:45 pm – 3:15 pm: CRRT Basics ~ Ashita Tolwani
3:15 pm – 3:45 pm: Circuit, Anticoagulation and Monitoring (Anticoagulation, Citrate Protocols, monitoring dose delivered) ~ Ashita Tolwani
3:45 pm – 4:15 pm: Dose / Fluid / Documentation / Recognizing and Managing Complications ~ Etienne Macedo
4:15 pm – 4:45 pm: Break (Industry Showcase 3)
4:45 pm – 5:15 pm: Prescription / Order Sets / Decision Making / Coordination of Care ~ Ravindra Mehta, Piyush Mathur
5:15 pm – 5:45 pm: Monitoring, Alarms and Connections with Other Therapies ~ Keith Wille, Eileen Lischer
5:45 pm – 6:15 pm: Interactive Clinical Case (Decision Making) ~ Ashita Tolwani, CRRT Faculty
6:15 pm – 6:30 pm: Post-test and Wrap-up ~ Ashita Tolwani
6:30 pm: Adjourn