

Selections from **AKI & CRRT conference 2018**

SAN DIEGO, CALIFORNIA



Presented at

St Thomas' Hospital London, UK

October 8-9, 2018



Sponsored by CRRTInc and St Thomas' Hospital London

The 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 during critical illness. During the conference, a selection of highlights of the 2018 CRRT & AKI Conference in San Diego will be presented. The conference is designed to facilitate interdisciplinary interactions among caregivers involved in the management of patients in the ICU. Physicians, nurses, pharmacists and other allied health care workers have opportunities to learn from each other and to interact with the international faculty through focused panel discussions and workshops.

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

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

DAY 1 8TH OCTOBER 2018

11.30 REGISTRATION

12.30 WELCOME

12:45 - 15:00 SESSION 1: ORGAN DYSFUNCTION IN THE CRITICALLY ILL PATIENT: EMERGING CONCEPTS

12:45 - 13:05 Shock in 2018: what do we know? ~ *Jean Louis Vincent*

13:05 - 13:25 Fluid therapy in the critically ill: colloids, crystalloids or blood products? ~ *Patrick Murray*

13:25 - 13:45 We Do Not Need 'AKI' - Renal Failure is Part of MOF ~ *Jean Louis Vincent*

13:45 - 14:05 AKI in the patient with Cancer ~ *Mitch Rosner*

14:05 - 14:25 Towards precision medicine in sepsis patients: Are we close? ~ *Peter Pickkers*

14:25 - 14:45 Cardiovascular surgery and the kidney: the ADQI recommendations ~ *Marlies Ostermann*

14:45 - 15:00 Panel discussion

15:00 - 15:30 Coffee Break

15:30 - 17:00 WORKSHOPS (Participants can select one)

Workshop 1: Prevention and Non-pharmacological management of AKI during critical illness (nutrition, drug dosing, hemodynamics) ~ *Andrew Lewington and Patrick Murray*

Workshop 2: Disorders of electrolytes and water balance in the critically ill ~ *Mitch Rosner and Chris Laing*

17:00 Adjourn

Faculty

Organisers:

Professor Ravindra Mehta, University of California San Diego, USA

Dr Marlies Ostermann, Guy's & St Thomas' Hospital, London, UK

International Faculty

Dr Luigi Camporota, Guy's & St Thomas' Hospital, London, UK

Ms Helen Dickie, Guy's & St Thomas' Hospital, London, UK

Professor Stuart Goldstein, Cincinnati Children Hospital, Cincinnati, USA

Dr Chris Laing, Royal Free Hospital, London, UK

Professor Andrew Lewington, St James' University Hospital, Leeds, UK

Professor Bruce Molitoris, Indiana University, St Louis, Missouri, USA

Professor Patrick Murray, University College Dublin, Dublin, Ireland

Professor Peter Pickkers, Radboud University, Nijmegen, Netherlands

Dr John Prowle, Royal London Hospital, London, UK

Professor Mitch Rosner, University of Virginia, Charlottesville, USA

Professor Jean-Louis Vincent, Hopital Universitaire Erasme, Brussels, Belgium

Professor Julia Wendon, King's College Hospital, London, UK

DAY 2 9TH OCTOBER 2018

09:00 - 12:00 SESSION 2: AKI: PATHOPHYSIOLOGY

09:00 - 09:20 AKI in the context of trauma ~ *John Prowle*

09:20 - 09:40 AKI in liver disease ~ *Julia Wendon*

09:40 - 10:00 AKI in heart failure: insights from biomarker studies ~ *Patrick Murray*

10:00 - 10:20 Real time GFR measurement in critically ill patients ~ *Bruce Molitoris*

10:20 - 10:40 Establishing Sub Phenotypes of AKI ~ *Ravi Mehta*

10:40 - 11:00 Panel discussion

11:00 - 11:30 Coffee Break

11:30 - 13:00 WORKSHOPS (Participants can select one)

Workshop 1: Fluid Management during CRRT

~ *John Prowle and Ravi Mehta*

Workshop 2: Getting to know the CRRT machine

~ *Marlies Ostermann and Helen Dickie*

13:00 - 14:00 Lunch

14:00 - 15:40 SESSION 3: CHALLENGES AND CONTROVERSIES IN AKI MANAGEMENT AND RRT SUPPORT

14:00 - 14:20 Preventing AKI in the ICU: Current guidelines ~ *Marlies Ostermann*

14:20 - 14:40 Role of extracorporeal blood purification techniques ~ *Peter Pickkers*

14:40 - 15:00 Albumin in cirrhosis: More than just a fluid expander ~ *Julia Wendon*

15:00 - 15:20 Albumin support for acute RRT: Does it help? ~ *Ravi Mehta*

15:20 - 15:40 Timing of RRT initiation in the ICU ~ *Marlies Ostermann*

15:40 - 16:10 Coffee Break

16:10 - 17:50 SESSION 4: NEW DEVELOPMENTS IN AKI

16:10 - 16:30 The ISN oby25 initiative: what have we learnt? ~ *Ravi Mehta*

16:30 - 16:50 Human recombinant Alk Phos for sepsis-induced AKI ~ *Peter Pickkers*

16:50 - 17:10 Combined renal support and CO₂ removal ~ *Luigi Camporota*

17:10 - 17:30 Using EMR for preventing AKI: The NINJA project ~ *Stuart Goldstein*

17:30 - 17:55 Critical Care Nephrology Literature review ~ *Mitch Rosner*

17:55 Closing remarks and feedback

18:00 Adjourn

The meeting has been approved by the Federation of the Royal Colleges of Physicians UK for 12 CPD credits.

Registration: <https://www.eventbrite.co.uk/e/highlights-of-crrt-2018-tickets-48130933919>

Contact: Ms Jennifer Friar

Email: Jennifer.Friar@gstt.nhs.uk

Phone: 020 71883038