

PLENARY ROOM GIOTTO: Special lecture

8.30 Artificial intelligence applied to Critical Care Nephrology

K. Kashani

ROOM GIOTTO - GREEN AND SUSTAINABLE AKI CARE

Chairs: A. Kazory - S. De Rosa

- 9.00 Greening critical care: The role of EBP *R. Mehta*
- 9.20 Permissive low-dose CRRT *A. Zarbock*
- 9.40 Silica trials in AKI and sepsis *G. Villa*
- 10.00 Discussion

ROOM TIZIANO a - CRRT MEMBRANES AND SORBENTS

Joint session Purdue University College of Engineering/IRRIV

Chairs: A. Tolwani - T. Rimmelé

- 9.00 Membranes characteristics and transport mechanisms in CRRT *W. Clark*
- 9.20 CRRT membranes: from expanded permeability to functionalization *C. Ronco*
- 9.40 Sorbents: characteristics and applications *T. Reis*
- 10.00 Discussion

ROOM TIZIANO b - AKI REPAIR AND RECOVERY

Chairs: L. Forni - F. Husain Syed

- 9.00 **Special lecture:** Renal progenitor cells and mechanisms of repair after AKI *P. Romagnani*
- 9.40 Clinical patterns of renal recovery after AKI *J. Kellum*
- 10.00 Discussion

10.00 - 12.30  
ROOM CANOVA  
(NO EMC)

10.10 - 10.30 COFFEE BREAK

ROOM GIOTTO - PLASMA EXCHANGE, APHERESIS AND EX VIVO ORGAN PERFUSION

Chairs: H. Gomez - V. Premuzić

- 10.30 How to protect the transplanted kidney during and after surgery? *S. Romagnoli*
- 11.00 Impact of Hemadsorption in heart Transplantation: Result from a RCT *E. Nemeth*
- 11.20 A new frontier in Liver Transplantation: the Ex Situ Perfusion *X. Muller*
- 11.40 Non-nephrological indications for therapeutic plasma exchange *V. Premuzić*
- 12.00 Therapeutic Plasma Exchange in Children *D. Fuhrman*
- 12.20 Discussion

ROOM TIZIANO a - DIAGNOSIS AND AKI TO CKD TRANSITION

Chairs: R. Mehta - P. Romagnani

- 10.30 **Special Lecture:** AKI and lung disease: the potential of lung ultrasound for disease detection and follow up *C. Zoccali*
- 11.00 Renal recovery patterns *L. Forni*
- 11.20 Mechanisms of AKI to CKD transition *S. Samoni*
- 11.40 Can we prevent transition from AKI to CKD by better RRT? *R. Bellomo*
- 12.00 Pharmacologically managing the triad: Diabetes-CKD-CVD *M. Rosner*
- 12.20 Discussion

ROOM TIZIANO b - MULTIPLE ORGAN SUPPORT & TECHNOLOGY

Joint session University of Alberta/IRRIV

Chairs: G. Villa - A. Tolwani

- 10.30 **Special lecture:** Technology in children and adults: who comes first? *S. Goldstein*
- 11.00 ECCO2R where are we? *F. Husain Syed*
- 11.20 CRRT and ECMO *A. Schneider*
- 11.40 Extracorporeal liver support *J. Prowle*
- 12.00 Using big data for CRRT quality control *S. Bagshaw*
- 12.20 Discussion

PoCUS  
Workshop

12.30 - 13.00 LUNCH BREAK

IRRIV SELECTED LECTURES



ROOM TIZIANO a

- 13.00 The role of albumin in clinical research revisited *G. Klinkmann*
- 13.25 How can we use biomarkers to predict AKI trajectory and outcome *J. Prowle*

ROOM TIZIANO b

- 13.00 Amino acids to recruit renal functional reserve in cardiac surgery: a phase III, double blind trial *R. Bellomo*
- 13.25 Pathogen Source Control in Different Clinical Settings *V. Premuzić*

ROOM GIOTTO - SPECIAL CLINICAL SCENARIOS

Joint session University of Melbourne/IRRIV

Chairs: M. Rosner - C. Zoccali

- 14.00 AKI in renal and non-renal solid organ transplantation *V. Cantaluppi*
- 14.20 Role of congestion in AKI *F. Husain Syed*
- 14.40 IV fluids in critical care patients *E. See*
- 15.00 Treating congestion with CRRT: what net ultrafiltration in CRRT? *R. Bellomo*
- 15.20 Clinical complications in CRRT *A. Tolwani*
- 15.40 Determining futility in critical care *S. Bagshaw*
- 16.00 Discussion

ROOM TIZIANO a - ADSORPTION IN CRITICAL ILLNESS

Chairs: A. Schneider - J. Prowle

- 14.00 Hemoadsorption in critical illness *R. Bellomo*
- 14.20 The importance of endo-phenotype *J. Kellum*
- 14.40 The candidate endotype for adsorption in sepsis *C. Ronco*
- 15.00 Hemoadsorption in burns *T. Rimmelé*
- 15.20 Double Plasma Molecular Adsorption System for liver failure *T. Reis*
- 15.40 Sequential extracorporeal therapies in SA-AKI *G. Villa*
- 16.00 Discussion

ROOM TIZIANO b - DIGITAL HEALTH & ICU MANAGEMENT

Joint session Mayo Clinic/IRRIV

Chairs: X. Ding - K. Kashani

- 14.00 **Special lecture:** Generative AI and Chat bot Utilization in Critical Care Nephrology *W. Cheungpasitporn*
- 14.40 Digital health solutions for AKI detection and triaging *K. Kashani*
- 15.00 Automatic data collection from machine in CRRT *A. Akcan Arikian*
- 15.20 Monitoring urine biochemistry in critically ill *S. Romagnoli*
- 15.40 Multiorgan POCUS in AKI *G. Romero Gonzalez*
- 16.00 Discussion

16.30 ADJOURN



"ERA's endorsement is for the promotion of education in general, therefore the specific content of the event/course is the responsibility of the organiser"



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ENDORSED BY

JUNE 13