



AKI-CRRT-EBPT

Critical Care Nephrology

PRELIMINARY PROGRAM

JUNE 24-26 2025
VICENZA - ITALY



PLENARY ROOM GIOTTO

8.30 Opening remarks: Claudio Ronco

8.35 Keynote Lecture: Critical Care Nephrology in the era of Artificial Intelligence.

K. Kashani

ROOM GIOTTO - KIDNEY DYSFUNCTION AND INJURY

Chairs: *J. Kellum - C. Ronco*

- 9.10 Monitoring renal and urinary oxygenation *R. Bellomo*
- 9.30 Monitoring kidney injury: What parameters and biomarkers? *J. Kellum*
- 9.50 Detecting renal dysfunction: from creatinine to stress test and real time GFR *S. Goldstein*
- 10.10 Overcoming a Poor Gold Standard – New (pen)Kid on the Block *L. Forni*
- 10.30 Discussion

ROOM TIZIANO a - ADQI NOMENCLATURE UPDATE: FLUID BALANCE AND NET UF

Chairs: *G. Ramirez Guerrero – T. Reis*

- 9.10 The components of fluid balance in the critically ill *R. Mehta*
- 9.30 Fluid management: Nomenclature in CRRT *G. Villa*
- 9.50 Net Ultrafiltration. Can we finally agree on definition? *T. Reis*
- 10.10 NUF, cardiac index, and relative blood volume during CRRT *R. Bellomo*
- 10.30 Discussion

ROOM TIZIANO b - ONCONEPHROLOGY: RESULTS FROM ADQI XXXIV

Joint UVA- IRRIV Session
Chairs: *A. Pani – P. Lentini*

- 9.10 Keynote lecture: AKI in cancer patients: epidemiology and issues *M. Rosner*
- 9.50 Onconephrology: ADQI XXXIV statements and resolutions *A. Pani*
- 10.10 Research agenda in Onconephrology *M. Floris*
- 10.30 Discussion

10.40–11.00 COFFEE BREAK

ROOM GIOTTO - DEBATES ON SPECIAL TOPICS

Chairs: *C. Ronco – K. Kashani*

- 11.00 Debate: Managing AKI: novel biomarkers vs UOP and creatinine *J. Kellum and R. Bellomo*
- 11.45 Debate: CRRT Start: general rules vs personalization *S. Bagshaw and L. Forni*
- 12.20 Discussion

ROOM TIZIANO a - AKI CLINICAL PICTURES

Chairs: *V. Cantaluppi – S. Goldstein*

- 11.00 The spectrum of AKI from pre-clinical to stage 3 *F. Husain-Syed*
- 11.20 Let's understand persistent AKI and AKD *H. Gomez*
- 11.40 Recovery patterns and post-AKI follow up in pediatrics *D. Cooper*
- 12.00 AKI to CKD transition *G. Castellano*
- 12.20 Discussion

ROOM TIZIANO b - GENDER ISSUES AND ADQI XXXIII STATEMENTS

ADQI/IRRIV Joint Session
Chairs: *A. Brendolan – D. Soranno*

- 11.00 Health disparities in critical care nephrology *E. See*
- 11.20 Pregnancy-Associated AKI. Report from ADQI XXXII *R. Mehta*
- 11.40 Report from ADQI XXXIII *D. Soranno*
- 12.00 The Role of Sex and Gender Across the 5 Rs of AKI *D. Fuhrman*
- 12.20 Discussion

12.30–13.00 LUNCH BREAK

13.00–14.30 Industry Sponsored Sessions

ROOM GIOTTO - KIDNEY FUNCTION IN THE CRITICALLY ILL

CACN/IRRIV Joint Session
Chairs: *A. Brendolan – S. Goldstein*

- 14.30 Real-Time Monitoring of GFR in the OR and ICU *S. Goldstein*
- 14.50 Glomerular and tubular Renal Functional Reserve *V. Cantaluppi*
- 15.10 Renal Functional Reserve – Is it Ready for Prime-Time *D. Cooper*
- 15.30 Renal Functional Reserve in congenital heart diseases *D. Fuhrman*
- 15.50 Discussion

ROOM TIZIANO a - METABOLIC AND NUTRITIONAL ASPECTS

SIAARTI/IRRIV Joint Session
Chairs: *S. De Rosa – S. Romagnoli*

- 14.30 Metabolic disorders in AKI *S. Romagnoli*
- 14.50 Nutritional aspects in AKI and CRRT *S. De Rosa*
- 15.10 Usual feeding or trophic feeding in ICU: TARGET PROTEIN intake *R. Bellomo*
- 15.30 Increasing protein intake - is it worth the EFFORT or should we be PRECise *S. Bagshaw*
- 15.50 Discussion

ROOM TIZIANO b - CRRT PRACTICE IN 2025

Chairs: *A. Tolwani – G. Villa*

- 14.30 Literature review and ongoing trials in Critical Care Nephrology *K. Kashani*
- 15.10 Unanswered question in RRT. What future trials? *L. Forni*
- 15.30 Whose values will be served? Involving patients in decision-making *J. Kellum*
- 15.50 Discussion

15.00 - 17.30
ROOM CANOVA
(NO EMC)
PoCUS
Workshop

ROOM GIOTTO - BIOENGINEERING AND BIOMATERIALS

Purdue University/IRRIV/UNIPD joint session
Chairs: *W. Clark – D. Soranno*

- 16.00 Membranes and sorbents: the bioengineer perspective *W. Clark*
- 16.20 Pediatric medical device design across different organ systems *D. Soranno*
- 16.40 Machine learning methods applied to ultrasound and contrast-enhanced CT images *J. Kim*
- 17.00 Hybrid materials for cardiovascular applications *A. Bagno*
- 17.20 Discussion

ROOM TIZIANO a - PHARMACOLOGICAL INTERVENTIONS TO SLOW PROGRESSION OF CKD AND CVD

Chairs: *A. Whaley Connell – J. Neyra*

- 16.00 Role of pharmacist in critical care nephrology *L. Awdishu*
- 16.20 Amino acids and CKD in cardiac surgery *R. Bellomo*
- 16.40 Blood pressure, glycemic and weight control *M. Rosner*
- 17.00 Future directions in arresting disease progression *A. Whaley Connell*
- 17.20 Discussion

ROOM TIZIANO b - ECOS ACADEMY

Joint IRRIV/ECOS Academy session
Chairs: *T. Rimmelé – L. Forni*

- 16.00 A parallel rapid removal of pathogens and circulating tumor cells with hemoadsorption *V. Premužić*
- 16.20 Combined cytokine and endotoxin removal *A. Lorenzin*
- 16.40 CRRT and Hemoadsorption combined with ECMO *A. Schneider*
- 17.00 Extracorporeal Liver Support *J. Prowle*
- 17.20 Discussion

ROOM GIOTTO—Joint session SIN/IRRIV

Chairs: *V. Cantaluppi - D. Soranno*

17.30 Selected Poster Oral Presentation

17.30–18.30 Industry Sponsored Sessions

ROOM GIOTTO - OPENING CEREMONY

PLENARY ROOM GIOTTO - Hector Wong, MD Memorial Special Lecture

Chair: *S. Goldstein*

8.30 The Current State of Sepsis (Research?) – A Definition and Pathophysiology at Odds

A. Akcan Arikan

ROOM GIOTTO - CARDIORENAL INTERACTIONS: NEW INSIGHTS

Chairs: *A. Whaley Connell – K. Gist*

9.10 Cardiorenal syndrome revisited *A. Kazory*

9.30 Inflammation/congestion pathways
G. Ramirez Guerrero

9.50 Management of AKI and Refractory
Cardiorenal Syndrome *F. Husain-Syed*

10.10 Renal outcomes in cardiac Cath-lab
procedures *F. Ronco*

10.30 Discussion

ROOM TIZIANO a - AKI AND BEYOND

Chairs: *V. Cantaluppi – D. Selewski*

9.10 Unraveling AKI terminology and concepts
J. Kellum

9.30 The impact of point of care creatinine on
the epidemiology of AKI *R. Bellomo*

9.50 Patterns of AKI recovery and
non-recovery (AKI-AKD-CKD) *L. Forni*

10.10 Post AKI Clinic *E. See*

10.30 Discussion

ROOM TIZIANO b - HANDS ON CRRT

Joint University of Alabama/IRRIV
Chairs: *A. Tolwani – G. Villa*

9.10 When I start CRRT *S. Bagshaw*

9.30 How do I prescribe CRRT *A. Tolwani*

9.50 How do I choose CRRT technique
G. Villa

10.10 How do I monitor
CRRT *T. Rimmelé*

10.30 Discussion

10.00 - 12.30
**ROOM
CANOVA**
(NO EMC)

10.40–11.00 COFFEE BREAK

ROOM GIOTTO - NEW CARDIORENAL PROTECTION STRATEGIES

Chairs: *F. Ronco – F. Husain Syed*

11.00 Pharmacological options in CRS
A. Kazory

11.20 SGLT-2 inhibitors in hospitalized
patients *R. Bellomo*

11.40 Non-steroidal MRA and GLP1RA in
Cardiorenal syndromes
A. Whaley Connell

12.00 Complement blockade in AKI and CRS
G. Castellano

12.20 Discussion

ROOM TIZIANO a - SEPSIS AND SEPSIS-ASSOCIATED AKI

Chairs: *T. Reis – T. Rimmelé*

11.00 Oxidant stress and hemoadsorption in
critical illness *G. Ramirez Guerrero*

11.20 Endotoxin in sepsis-associated AKI: Tigris
update *J. Kellum*

11.40 Role of extracellular vesicles in SA-AKI
V. Cantaluppi

12.00 Pathophysiology of sepsis-associated AKI
H. Gomez

12.20 Discussion

ROOM TIZIANO b - THE KIDNEY DURING EXTRACORPOREAL SUPPORT

Society of CCN/IRRIV joint session

Chairs: *L. Forni – V. Premužić*

11.00 The Kidney during CRRT: when to stop
extracorporeal support? *L. Forni*

11.20 The Kidney in ECMO *D. Selewski*

11.40 The kidney during temporary mechani-
cal cardiac support *A. Shaw*

12.00 Management of antibiotics during CRRT
and hemoadsorption: myths and facts
G. Bottari

12.20 Discussion

PoCUS
Workshop

12.30–13.00 LUNCH BREAK

13.00–14.30 Industry Sponsored Sessions

ROOM GIOTTO - LUNG-KIDNEY INTERACTION

ESICM/IRRIV joint session

Chairs: *M. Ostermann – S. De Rosa*

14.30 Lung-Kidney crosstalk *M. Ostermann*

14.50 Managing combined renal and
respiratory dysfunction *F. Husain-Syed*

15.10 Extracorporeal CO2 removal: indications
and management *G. Grasselli*

15.30 Lung – heart – Kidney interaction in
Pediatrics *K. Gist*

15.50 Discussion

ROOM TIZIANO a - NEONATAL AND PEDIATRIC CRRT

CCHMC/IRRIV Joint session

Chairs: *D. Cooper – S. Goldstein*

14.30 Lessons learned from building neonatal
CRRT programs *S. Menon*

14.50 Instituting and maintaining a CRRT
Quality improvement program *J. Neyra*

15.10 Impact of fluid balance on outcomes in
critical care nephrology *S. Goldstein*

15.30 Pediatric ECMO and CRRT
A. Akcan Arikan

15.50 Discussion

ROOM TIZIANO b - BIOMARKERS UPDATE

Chairs: *A. Zarbock – J. Prowle*

14.30 Update on AKI biomarkers *A. Zarbock*

14.50 Biomarkers of Kidney Fitness: Predicting
subacute kidney disease *D. Fuhrman*

15.10 Metanalyses for biomarkers: can they
be trusted? *J. Kellum*

15.30 Renin as a biomarker for shock
management
R. Bellomo

15.50 Discussion

15.00 - 17.30
**ROOM
CANOVA**
(NO EMC)

ROOM GIOTTO - BRAIN-KIDNEY INTERACTION AND MOF

Chairs: *L. Awdishu – S. Bagshaw*

16.00 AKI and delirium *S. Bagshaw*

16.20 AKI in brain injury (TBI + non-TBI injury)
J. Prowle

16.40 Pharmacology in AKI + brain injury
L. Awdishu

17.00 RRT and Hemoadsorption in
neurocritical care patients
G. Ramirez Guerrero

17.20 Discussion

ROOM TIZIANO a - EXTRACORPOREAL THERAPEUTIC OPTIONS IN ICU

UPMC/IRRIV joint session

Chairs: *H. Gomez – M. Zanella*

16.00 New indications for hemoadsorption
therapy *M. Marcello*

16.20 Managing endotoxemia with
hemoadsorption *J. Kellum*

16.40 The candidate endotype for adsorption
in sepsis *H. Gomez*

17.00 Therapeutic Plasma Exchange in Children
D. Fuhrman

17.20 Discussion

ROOM TIZIANO b - GREEN AND SUSTAINABLE CRITICAL CARE NEPHROLOGY

ESICM/IRRIV Joint session

Chairs: *M. Ostermann – L. Forni*

16.00 CRRT in 2025: possible green solutions
M. Ostermann

16.20 Green CRRT: technical options and
solutions *A. Lorenzin*

16.40 Changing from Paper to Digital.
e-prescribing CRRT for AKI *I. Baldwin*

17.00 Green device development *G. Gavioli*

17.20 Discussion

PoCUS
Workshop

ROOM GIOTTO - ECMO IN CRITICAL CARE NEPHROLOGY

Chairs: *W. Cheungpasitporn—D. Soranno*

9.00 CRRT on ECMO: Safety, timing, and fluid removal *K. Gist*

9.20 AKI and Disorders of Fluid balance in adults treated with ECMO *K. Kashani*

9.40 The mechanics of CRRT in ECMO *T. Mottes*

10.00 Experience in neonates and pediatric ECMO *D. Selewski*

10.20 Discussion

ROOM TIZIANO a - ACCELERATING EVIDENCE-BASED PRACTICES IN AKI & CCN (HIGHLIGHTS OF ADQI XXXV)

Chairs: *O. Rewa—L. Awdishu*

9.00 Key concepts of implementation science applied to AKI/CCN care *B. Rabin*

9.20 Report of ADQI XXXV Consensus Statements *J. Neyra*

9.40 Case-examples of implementation/QI projects in AKI/CCN taken from ADQI XXXV *O. Rewa*

10.00 Accelerating Evidence-Based Practices in AKI & CCN: what's next? *R. Mehta*

10.20 Discussion

ROOM TIZIANO b - DIAGNOSIS, PREVENTION AND CRRT DOSE

Chairs: *E. See—I. Baldwin*

9.00 The urea/creatinine ratio *J. Prowle*

9.20 Role of ischemic preconditioning *A. Zarbock*

9.40 Dose-intensity in CRRT and alignment with CPB *A. Schneider*

10.00 Lower dose-intensity strategies - who, when and rationale *G. Villa*

10.20 Discussion

10.00 - 12.30
ROOM CANOVA

(NO EMC)

PoCUS
Workshop

10.30—10.50 COFFEE BREAK

ROOM GIOTTO - DIGITAL HEALTH & ICU MANAGEMENT

Mayo Clinic/IRRIV joint session

Chairs: *K. Kashani—P. Lentini*

10.50 Generative AI and Chatbot application in Critical Care Nephrology *W. Cheungpasitporn*

11.10 Specific Applications of Digital Health Solutions for AKI Management *K. Kashani*

11.30 Machine Data for CRRT use with AKI. Live and stored Data, how to get this and use it *I. Baldwin*

11.50 Using big data for CRRT quality control *O. Rewa*

12.10 Discussion

ROOM TIZIANO a - ELECTROLYTES IN ICU AND CRRT

Chairs: *D. Fuhrman—H. Gomez*

10.50 How should we manage potassium in ICU? *J. Prowle*

11.10 How should we manage magnesium in ICU? *A. Schneider*

11.30 How fast should we correct hypernatremia? *R. Bellomo*

11.50 How should we prevent and manage hypophosphatemia *T. Reis*

12.10 Discussion

ROOM TIZIANO b - THE FUTURE OF CRITICAL CARE NEPHROLOGY

Chairs: *J. Kellum—G. Villa*

10.50 Value based Care for AKI: The time has come *R. Mehta*

11.10 What membranes for CRRT in the future? *V. Cantaluppi*

11.30 What role for Adsorption in the future? *C. Ronco*

11.50 Gazing into a Crystal Ball: What Does the Future Hold for Critical Care Nephrology? *L. Forni*

12.10 Discussion

12.30 Adjourn

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