



AKI & CRRT

June 12-14, 2023

VICC - Convention Centre
Vicenza, Italy

SCIENTIFIC PROGRAM

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PLENARY ROOM GIOTTO

Joint session SIN – IRRIV for young investigators

Chairs: *S. Bianchi - V. Cantaluppi*

14.30: Selected Poster Oral Presentation

Poster 1 to 8 (5 minutes each poster)

ROOM GIOTTO: GENDER ISSUES IN AKI

Chairs: *M. Ostermann - A. Brendolan*

15.30 Sex gender and science *D. Soranno*

15.50 The effects of sex and gender in AKI
N. Pannu

16.10 Sex protective pathways in AKI *E. See*

16.30 Discussion

ROOM TIZIANO a: EVOLUTION IN AKI
DIAGNOSIS

Chairs: *L. Forni - A. Zarbock*

15.30 Role of frequent creatinine measurement
R. Bellomo

15.50 Role of biomarkers beyond creatinine in
AKI *P. Murray*

16.10 Urinary pO2 monitoring *R. Bellomo*

16.30 Discussion

ROOM TIZIANO b: BASICS of CRRT

Chairs: *G. Villa - S. De Rosa*

15.30 Evolution of membranes and machines
C. Ronco

15.50 Diffusion, convection, adsorption
W. Clark

16.10 Indications, prescription and monitoring
T. Rimmelé

16.30 Discussion

ROOM GIOTTO: GENDER ISSUES IN
CRITICAL CARE NEPHROLOGY

Chairs: *M. Marengo - E. See*

16.50 AKI in pregnancy and the use of biomarkers in
the diagnosis of preeclampsia *G. Ankawi*

17.10 Gender specific AKI treatment issues
M. Ostermann

17.30 Open gender specific problems in critical care
nephrology *S. Samoni*

17.50 Discussion

ROOM TIZIANO a: EVOLUTION IN AKI
MONITORING AND INTERVENTION

Chairs: *K. Kashani - A. Zarbock*

16.50 Multiorgan POCUS in AKI
G. Romero Gonzalez

17.10 Instant GFR measurement in AKI
S. Goldstein

17.30 Importance of Nephrology Rapid
Response Team *L. M. Rizo Topete*

17.50 Discussion

ROOM TIZIANO b: CRRT IN PRACTICE

Joint session University of Alabama/IRRIV

Chairs: *Z. Ricci - R. Mehta*

16.50 Anticoagulation in CRRT *A. Tolwani*

17.10 Technical and clinical complications
T. Reis

17.30 Quality measures in CRRT *J. Neyra*

17.50 Discussion

18.00 45’ Industry-Sponsored Session

ROOM GIOTTO

19.00 Opening Ceremony

PLENARY ROOM GIOTTO: Meet the pioneer

9.00: Interview to prof. Ravindra Mehta and Rinaldo Bellomo: “CRRT and Critical Care Nephrology from the beginning”

ROOM GIOTTO: EXTRACORPOREAL TREATMENT IN SEPSIS

Chairs: *D. Soranno - S. Goldstein*

9.50 The Hector Wong Memorial Lecture on Sepsis-Associated AKI *R. Basu*

10.20 Extracorporeal blood purification in Sepsis *R. Bellomo*

10.50 Discussion

ROOM TIZIANO a: CURRENT ISSUES IN CCN

Joint session University of Alberta/IRRIV

Chairs: *S. Bagshaw - N. Pannu*

9:50 What are the 100 Highest Impact Papers in Critical Care Nephrology? *S. Bagshaw*

10:05 AKI in acute decompensated liver failure *C. Karvellas*

10:20 Strategies for post-AKI care *N. Pannu*

10:35 Critical Care Nephrology in Conflict Zones *O. Rewa*

10.50 Discussion

ROOM TIZIANO b: ADQI RESOLUTIONS I

Chairs: *M. Ostermann - H. Gomez*

9.50 ADQI XX/XXIV - AKI in Cardiovascular and general surgery *J. Prowle*

10.10 ADQI XXI – Lung-kidney Interactions *M. Joannidis*

10.30 End points for clinical trials *A. Zarbock*

10.50 Discussion

11.00—11.20 COFFEE BREAK

ROOM GIOTTO:

Joint session University of Virginia/IRRIV

Chairs: *M. Rosner - D. Fuhrman*

11.20 Acute kidney injury in the patient under going stem cell transplantation *A. Renaghan*

11.40 Acute kidney injury in the pregnant Patient *D. Knicely*

12.00 Point-of-care ultrasound in the critically ill patient *A. Kumar*

12.20 Why we need a better measure of kidney function: Chemotherapy dosing and estimated GFR *M. Rosner*

12.50 Discussion

ROOM TIZIANO a: CCN PATIENT FOLLOW UP

Joint session University of Alberta/IRRIV

Chairs: *O. Rewa - S. Samoni*

11.20 Renal Replacement Therapy in Liver Failure *C. Karvellas*

11.40 Sex and Gender Differences in Rates of AKI and Use of RRT? *N. Pannu*

12.00 Kidney Outcomes in the international REMAP-CAP Platform Trial *O. Rewa*

12.20 Impact of acute RRT on long-term risk of ESKD for patients with baseline CKD *S. Bagshaw*

12.50 Discussion

ROOM TIZIANO b: ADQI RESOLUTIONS II

Chairs: *J. Prowle - R. Mehta*

11.20 ADQI XXII – AKI quality improvement *S. Bagshaw*

11.50 AKI Diagnostics and Biomarkers *J. Kellum*

12.20 ADQI XXV – AKI in COVID-19 *M. Ostermann*

12.50 Discussion

13.00—13.30 LUNCH BREAK

13.30 - 15.00 SPONSORED SESSIONS

ROOM GIOTTO: PEDIATRIC AKI

Joint session CCHMC/IRRIV

Chairs: *S. Goldstein - R. Basu*

15.00 AKI to CKD, Moving Beyond Standard Measures of Kidney Function *D. Cooper*

15.20 Intraoperative Strategies to Reduce CS-AKI: Research Translating into Practice *D. Morales*

15.40 Advances in Pediatric Acute RRT *T. Neumayr*

16.00 Advances in Pediatric hemoadsorption *G. Bottari*

16.20 Discussion

ROOM TIZIANO a: PLASMA EXCHANGE, APHERESIS AND EX VIVO ORGAN PERFUSION

Joint session UPMC/IRRIV

Chairs: *H. Gomez - S. Kane-Gill*

15.00 The role of nephrologist in non-nephrological indications for therapeutic plasma exchange *V. Premužić*

15.20 The Impact of Therapeutic Plasma Exchange in Children with Thrombocytopenic AKI *D. Fuhrman*

15.40 Ex Vivo Lung Perfusion: Clinical Results *M. Schiavon*

16.00 Machine perfusion of kidney grafts *P. Malvezzi*

16.20 Discussion

ROOM TIZIANO b:

Joint session University of Melbourne/IRRIV

Chairs: *I. Baldwin - R. Murugan*

15.00 The renin angiotensin system in critical illness *R. Bellomo*

15.20 Changes in intravascular volume and cardiac output during RRT *I. Baldwin*

15.40 Novel therapeutic approaches in cardio-renal medicine *A. Whaley Connell*

16.00 AKI follow-up after discharge *E. See*

16.20 Discussion

15.00-17.30
ROOM
CANOVA (NO EMC):

PoCUS
Workshop

ROOM GIOTTO: CRITICAL CARE NEPHROLOGY PRACTICE PATTERNS

Chairs: *S. Bagshaw - L. Forni*

16.30 Regional practice variation in RRT: the lessons of STARRT AKI *R. Bellomo*

16.50 Registries of extracorporeal therapies in AKI and Sepsis *G. Villa and S. De Rosa*

17.10 Results from South-Eastern Europe Registry for Hemoperfusion of COVID-19 ICU Patients (HERICC) *V. Premužić*

17.30 Discussion

ROOM TIZIANO a: DRUGS IN AKI

Joint session UPMC/IRRIV

Chairs: *T. Reis - D. Fuhrman*

16.30 Contemporary Classification of Drug-induced Kidney Disease *S. Kane-Gill*

16.45 Metformin as a potential therapeutic strategy for AKI in sepsis *H. Gomez*

17.00 Drug clearance in hemoadsorption *I. Baldwin*

17.15 Vancomycin Kinetics in hemoadsorption *A. Lorenzin*

17.30 Discussion

ROOM TIZIANO b: ULTRAFILTRATION

Chairs: *A. Kazory - M. Zanella*

16.30 Fluid Management and net ultrafiltration *R. Murugan*

16.50 Net Ultrafiltration rate and the NEPTUNE study *E. See*

17.10 Artificial diuresis: technical and clinical results *C. Ronco*

17.30 Discussion

PLENARY ROOM GIOTTO: Meet the pioneer			
9.00: Interview to prof. Vito Marco Ranieri: “ECMO and ECCO2R: from the beginning to today”			
ROOM GIOTTO: TRIALS IN CRITICAL CARE NEPHROLOGY		ROOM TIZIANO a: NEW INSIGHTS IN SEPSIS	
Chairs: <i>R. Bellomo - A. Zarbock</i>		Chairs: <i>H. Gomez - M. Rosner</i>	
9.50 End points of Randomized controlled trials in Critical Care Nephrology		9.50 Bacterial Quorum Sensing and Extracellular Vescicles: new PAMPs & DAMPS in Sepsis-associated AKI	
<i>L. Forni</i>		<i>V. Cantaluppi</i>	
10.20 How to select adequate end points for clinical trials in extracorporeal blood purification		10.20 Target molecules for hemoadsorption in Sepsis-associated AKI: endotoxin and beyond	
<i>S. Bagshaw</i>		<i>J. Kellum</i>	
10.50 Discussion		10.50 Discussion	
11.00—11.20 COFFEE BREAK			
ROOM GIOTTO: USE YOUR RESOURCES: TECH, TELE, AND TEAMS TO ASSIST THE NEPHROLOGIST WITH AKI		ROOM TIZIANO a: AKI MANAGEMENT	
Joint session Mayo Clinic/IRRIV		Chairs: <i>V. Cantaluppi - L. Gesualdo</i>	
Chairs: <i>G. Ankawi - A. Kattah</i>		11.20 AKI to CKD transition: mechanisms and clinical pattern	
11.20 Sniffing Out AKI: Digital Health Solutions for Detection and Triaging		<i>G. Castellano</i>	
11.50 ZOOM In on Tele-Nephrology for AKI and Beyond		11.50 Mechanisms of kidney repair after AKI	
<i>A. Kattah</i>		<i>P. Romagnani</i>	
12.20 It Takes a Village: Rallying Other Team Members to Support AKI Care		12.20 Patients Follow-up after AKI	
<i>E. Barreto</i>		<i>M. Marengo</i>	
12.50 Discussion		12.50 Discussion	
13.00—13.30 LUNCH BREAK			
13.30 - 14.00 SPONSORED SESSIONS			
ROOM GIOTTO: ORGAN TRANSPLANTATION		ROOM TIZIANO a: THE ROLE OF ADSORPTION IN CRITICAL ILLNESS	
Chairs: <i>G. Castellano - S. Kane-Gill</i>		Chairs: <i>T. Rimmelé - A. Zarbock</i>	
14.00 AKI in renal and non-renal solid organ transplantation		14.00 Moving from diffusion/convection to Adsorption	
<i>V. Cantaluppi</i>		<i>C. Ronco</i>	
14.20 Inflammatory mediators and organ damage		14.20 Hemoadsorption in the intensive care unit	
<i>L. Gesualdo</i>		<i>R. Bellomo</i>	
14.40 Artificial liver support as a bridge to liver Transplant		14.40 Special indications for hemoadsorption	
<i>T. Reis</i>		<i>J. Prowle</i>	
15.00 Organ Perfusion: A real Breakthrough for organ Availability		15.00 Adsorption in ECMO and CPB	
<i>G. Lurje</i>		<i>A. Schneider</i>	
15.20 Discussion		15.20 Discussion	
ROOM GIOTTO: ADVANCES IN EXTRACORPOREAL BLOOD PURIFICATION THERAPIES		ROOM TIZIANO a: CONSENSUS on NOMENCLATURE: THE ROME CONFERENCE	
Chairs: <i>K. Kashani - V. Cantaluppi</i>		Joint session Purdue University College of Engineering/IRRIV	
Chairs: <i>K. Kashani - V. Cantaluppi</i>		Chairs: <i>W. Clark - D. Soranno</i>	
15.30 Real-world evaluation of residual kidney function under RRT - what’s new?		15.30 The Rome consensus on Nomenclature: Rationale and results	
<i>C. Nußhag</i>		<i>D. Soranno</i>	
15.50 Hemoadsorption in CPD and ECMO		15.50 Mechanisms and Nomenclature for chronic Extracorporeal Blood Therapies	
<i>L. Lorini</i>		<i>W. Clark</i>	
16.10 Predictive Analytics for Kidney support in the ICU		16.10 Mechanisms and Nomenclature for acute Extracorporeal Blood Therapies	
<i>R. Mehta</i>		<i>M. Ostermann</i>	
16.30 Discussion		16.30 Discussion	
ROOM TIZIANO b: ADQI RESOLUTIONS III		ROOM TIZIANO b: ADQI RESOLUTIONS IV	
Chairs: <i>S. Goldstein – M. Ostermann</i>		Chairs: <i>J. Kellum - R. Mehta</i>	
9.50 ADQI XXVI – AKI in pediatrics (pADQI)		11.20 ADQI XXVIII – Septic AKI	
<i>A. Akcan Arikan</i>		<i>L. Forni</i>	
10.20 ADQI XXVII – AKI and digital health		11.50 ADQI XXIX – Liver and Kidney	
<i>K. Kashani</i>		<i>M. Nadim</i>	
10.50 Discussion		12.20 ADQI XXX– Adsorption in Blood Purification	
		<i>R. Bellomo</i>	
		12.50 Discussion	
10.30-13.00		PoCUS Workshop	
ROOM CANOVA (NO EMC)			

10.30-13.00

ROOM CANOVA (NO EMC):

PoCUS Workshop