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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 TTIZIANO a & b

Sponsored Sessions

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 - M. Plebani*

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*

10.20: ADQI XXI – Lung-kidney Interactions *M. Joannidis*

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 *Z. Ricci*

16.20 Discussion

ROOM TIZIANO a: PLASMA EXCHANGE AND APHERESIS

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*

16.00 **Therapeutic apheresis in AKI and sepsis**

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

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

17.45 SPONSORED SESSIONS

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 NEPHROLOGYChairs: *R. Bellomo - M. Ostermann*

9.50 End points of Randomized controlled trials in Critical Care Nephrology

L. Forni

10.20 How to select adequate end points for clinical trials in extracorporeal blood purification

S. Bagshaw

10.50 Discussion

ROOM TIZIANO a: NEW INSIGHTS IN SEPSISChairs: *H. Gomez - M. Rosner*

9.50 Bacterial Quorum Sensing and Extracellular Vesicles: new PAMPs & DAMPs in Sepsis-associated AKI

V. Cantaluppi

10.20 Target molecules for hemoadsorption in Sepsis-associated AKI: endotoxin and beyond

J. Kellum

10.50 Discussion

ROOM TIZIANO b: ADQI RESOLUTIONS IIIChairs: *S. Goldstein - L. Forni*

9.50 ADQI XXVI – AKI in pediatrics (pADQI)

A. Ackan Arikian

10.20 ADQI XXVII – AKI and digital health

K. Kashani

10.50 Discussion

11.00—11.20 COFFEE BREAK

ROOM GIOTTO: USE YOUR RESOURCES: TECH, TELE, AND TEAMS TO ASSIST THE NEPHROLOGIST WITH AKI

Joint session Mayo Clinic/IRRIV

Chairs: *TBD*

11.20 Sniffing Out AKI: Digital Health Solutions for Detection and Triaging

K. Kashani

11.50 ZOOM In on Tele-Nephrology for AKI and Beyond

A. Kattah

12.20 It Takes a Village: Rallying Other Team Members to Support AKI Care

E. Barreto

12.50 Discussion

ROOM TIZIANO a: AKI MANAGEMENTChairs: *V. Cantaluppi - L. Gesualdo*

11.20 AKI to CKD transition: mechanisms and clinical pattern

G. Castellano

11.50 Mechanisms of kidney repair after AKI

P. Romagnani

12.20 Patients Follow-up after AKI

M. Marengo

12.50 Discussion

ROOM TIZIANO b: ADQI RESOLUTIONS IVChairs: *J. Kellum - R. Mehta*

11.20 ADQI XXVI – Septic AKI

L. Forni

11.50 ADQI XXVII – Liver and Kidney

R. Mehta

12.20 ADQI XXVIII – Adsorption in Blood Purification

R. Bellomo

12.50 Discussion

13.00—13.30 LUNCH BREAK

13.30 - 15.00 SPONSORED SESSIONS

ROOM GIOTTO: ORGAN TRANSPLANTATIONChairs: *G. Castellano - S. Kane-Gill*

15.00 AKI in renal and non-renal solid organ transplantation

V. Cantaluppi

15.20 Inflammatory mediators and organ damage

L. Gesualdo

15.40 Artificial liver support as a bridge to liver Transplant

T. Reis

16.00 Organ Perfusion: A real Breakthrough for organ Availability

G. Lurje

16.20 Discussion

ROOM TIZIANO a: THE ROLE OF ADSORPTION IN CRITICAL ILLNESSChairs: *T. Rimmelé - A. Zarbock*

15.00 Moving from diffusion/convection to Adsorption

C. Ronco

15.20 Hemoadsorption in the intensive care unit

R. Bellomo

15.40 Special indications for hemoadsorption

J. Prowle

16.00 Adsorption in ECMO and CPB

A. Schneider

16.20 Discussion

ROOM TIZIANO b: THE CARDIO-RENAL AXISChairs: *M. Ostermann - F. Husain Syed*

15.00 The cardio-renal axis

A. Kazory

15.20 Role of Congestion in AKI

F. Husain Syed

15.40 Congestion assessment by POCUS

G. Romero Gonzalez

16.00 Use of diuretics

A. Whaley Connell

16.20 Discussion

ROOM GIOTTO: EX VIVO ORGAN PERFUSIONChairs: *L. Gesualdo - G. Ankawi*

16.30 The role of Temperature in Organ Perfusion

V. De Meijer

16.50 Ex Vivo Lung Perfusion: Clinical Results

M. Schiavon

17.10 Machine perfusion of kidney grafts

P. Malvezzi

17.30 Discussion

ROOM TIZIANO a: CONSENSUS on NOMENCLATURE: THE ROME CONFERENCE

Joint session Purdue University College of Engineering/IRRIV

Chairs: *W. Clark - D. Soranno*

16.30 The Rome consensus on Nomenclature: Rationale and results

D. Soranno

16.50 Mechanisms and Nomenclature for chronic Extracorporeal Blood Therapies

W. Clark

17.10 Mechanisms and Nomenclature for acute Extracorporeal Blood Therapies

M. Ostermann

17.30 Discussion

ROOM TIZIANO b: CONGESTION AND AKIChairs: *A. Whaley Connell - G. Romero Gonzalez*

16.30 Novel biomarkers in congestion

J. Nuñez

16.50 Fluid balance and diuretics in cardiorenal Patients

R. Mehta

17.10 How to set up a cardio-renal clinic

M. Cobos

17.30 Discussion

17.45 SPONSORED SESSIONS