



Regione Veneto - ULSS 6
Department of Nephrology, Dialysis and Renal Transplantation
International Renal Research Institute Vicenza - IRRIV
San Bortolo Hospital - Vicenza - Italy



33rd Vicenza Course on Critical Care Nephrology

June 9 - 12, 2015

Fiera di Vicenza Convention Center
Vicenza - Italy



Scientific Program

JUNE 9, Tuesday - Room Palladio

NO ECM (Italian Credits)

SATELLITE SYMPOSIA - Room Palladio

13.00 - 15.15 Industry - Sponsored satellite Symposium 1

15.30 - 16.45 Industry - Sponsored satellite Symposium 2

17.00 - 18.15 Industry - Sponsored satellite Symposium 3

OPENING CEREMONY

18.30 Critical Care Nephrology from origin to today

C. Ronco

18.45 International "Vicenza" Award for Critical Care Nephrology

R. Bellomo

19.00 Anecdotes in Critical Care Nephrology

J. Kellum

19.30 *Welcome Reception*

JUNE 10, Wednesday - Room Palladio

SESSION 1 - EPIDEMIOLOGY OF AKI

Chairmen: R. Bellomo - A. Lewington

- 8.20 AKI Classification and the Conceptual Model of AKI
- 8.40 Epidemiology and Outcomes of AKI in Hospital and ICU
- 9.00 Incidence and Outcomes of AKI in Sepsis and MOF
- 9.20 Incidence and Outcomes of AKI in Cardiac Surgery
- 9.40 Risk Factors for AKI in Hospital and ICU
- 10.00 Discussion
- 10.10 *Coffee Break and Visit to the Exhibition*

*J. Kellum
E. Hoste
R. Bellomo
N. Katz
M. Rosner*

SESSION 2A - AKI: ICT and ECONOMICS

Chairmen: N. Katz - M. Rosner

- 10.40 Electronic Records & Sniffers
- 11.00 AKI - Related Financial Issues
- 11.20 Discussion

*K. Kashani
A. Lewington*

DEBATE on RENAL ANGINA

Chairman: C. Ronco

- 11.30 New Concept ... Perfect Term
- 11.50 Right Concept ... Wrong Name
- 12.10 Discussion
- 12.30 *Lunch and Visit to the Exhibition*

*L. S. Chawla
P. Palevsky*

13.00 - 14.00 Industry - Sponsored satellite Lunch Symposium 4
NO ECM (Italian Credits)

SESSION 3A - RRT in AKI AND CRITICAL ILLNESS

Chairmen: A. Shaw - J.A. Wendon

- 14.30 Evolution of Technology in CRRT
- 14.50 Clinical Indications and Patient Selection
- 15.10 Timing of Initiation of RRT
- 15.30 Treatment Modality Selection
- 15.50 How do circuits fail?
- 16.10 Discussion
- 16.30 *Coffee Break and Visit to the Exhibition*

*C. Ronco
R. Mehta
S. Bagshaw
A. Tolwani
R. Bellomo*

SESSION 4 - MULTIPLE ORGAN SUPPORT THERAPIES

Chairmen: R. Mehta - A. Tolwani

- 17.00 Extracorporeal Ultrafiltration for Heart Failure
- 17.20 Extracorporeal CO2 Removal
- 17.40 Extracorporeal Liver Support
- 18.00 CRRT and ECMO
- 18.20 Discussion
- 18.30 *Adjourn*

*C. Ronco
C. Ronco
J.A. Wendon
A. Shaw*

JUNE 10, Wednesday - Room Trissino
NO ECM (Italian Credits)

SESSION 2B - WORKSHOP: CRRT Management Group

Chairmen: I. Baldwin - Z. Ricci

- 10.40 Nomenclature of CRRT: Common Terminology for Techniques, devices and membranes *M. Neri*
- 11.00 The management of the extracorporeal circuit: from prescription to delivery *I. Baldwin - F. Garzotto*
- 11.20 Technical complications and problems of CRRT: Management and troubleshooting *F. Barbarigo - M. Mettifogo*
- 11.40 Hands on discussion on various CRRT machines: meet the expert.
- 12.30 *Lunch and Visit to the Exhibition*

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SESSION 5 - BIOMARKERS OF AKI

Chairmen: S. Di Somma - M. Joannidis

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|-------|--|--------------------|
| 8.10 | AKI Biomarkers: Which One? How to Use Them? | <i>M. Haase</i> |
| 8.30 | Does Renal Functional Reserve Exist in ICU Patients? | <i>R. Bellomo</i> |
| 8.50 | Biomarkers and AKI Prevention | <i>J. Kellum</i> |
| 9.10 | Biomarker-Driven Change in AKI Therapy | <i>N. Gibney</i> |
| 9.30 | Biomarkers and Renal Recovery | <i>L.S. Chawla</i> |
| 9.50 | Discussion | |
| 10.10 | <i>Coffee Break and Visit to the Exhibition</i> | |

SESSION 6A - AKI: PATHOPHYSIOLOGY, PREVENTION, RECOVERY, PROGRESSION

Chairmen: N. Gibney - L.S. Chawla

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|-------|---|---------------------|
| 10.40 | Pathophysiology of AKI: New Insights | <i>B. Molitoris</i> |
| 11.00 | Prevention of AKI: What Evidence? | <i>R. Joannidis</i> |
| 11.20 | Pathways of Renal Recovery or Progression after AKI | <i>R. Mehta</i> |
| 11.40 | Impact of Treatment Modality and Dose on Recovery | <i>R. Bellomo</i> |
| 12.00 | Ischemic Preconditioning | <i>J. Kellum</i> |
| 12.20 | Discussion | |
| 12.30 | <i>Lunch and visit to the exhibition</i> | |

13.00 - 14.00 Industry - Sponsored satellite Lunch Symposium 5

NO ECM (Italian Credits)

SESSION 7A - CARDIORENAL CROSSTALK

Chairmen: M. Ostermann - J. Cerda

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|-------|---|----------------------|
| 14.30 | AKI after Acute Myocardial Infarction: Contrast, Organ Crosstalk and Complications | <i>P. McCullough</i> |
| 14.50 | Importance of Congestion and Diastolic Dysfunction | <i>M. Säemann</i> |
| 15.10 | Uric Acid as a risk factor for heart and kidney therapeutic management | <i>C. Ronco</i> |
| 15.30 | A New Mechanism of Action for Addressing Hyperkalemia: New Data on Non-Polymer Hyperkalemia Therapies | <i>P. McCullough</i> |
| 15.50 | New Therapeutic Strategy of Aquaresis for Cardiorenal Syndrome | <i>K. Doi</i> |
| 16.10 | Discussion | |
| 16.30 | <i>Coffee Break and Visit to the Exhibition</i> | |

SESSION 8 - FLUID MANAGEMENT

Chairmen: P. McCullough - J. Kellum

- 17.00 Fluid Assessment, Outcomes and Strategies in the Critically Ill *R. Mehta*
- 17.20 Balanced Fluid or Saline? *R. Bellomo*
- 17.40 Use of Diuretics in the Critically Ill and CRS *L. S. Chawla*
- 18.00 Indications to Medical Fluid Removal in HF and Fluid Overload *M. Ostermann*
- 18.20 Discussion
- 18.30 *Adjourn*

JUNE 11, Thursday- Room Trissino
NO ECM (Italian Credits)

SESSION 6B - WORKSHOP: CRRT Management Group

Chairmen: I. Baldwin - Z. Ricci

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SESSION 9 - CRITICAL CARE NEPHROLOGY ISSUES

Chairmen: P. Palevsky - A. Pani

- 8.20 Update on the Hemopurifier: the Case of Ebola Infection
- 8.40 AKI in Trauma Rhabdomyolysis & Burns
- 9.00 Sorbent Therapy and Endotoxin Removal
- 9.20 RRT in Cardiac Surgery and HF
- 9.40 High Cut Off Membranes
- 10.00 Citrate vs Heparin vs No Anticoagulation
- 10.20 RRT in Critically Ill Children and Neonates
- 10.40 *Coffee Break*

*R. Kenley
F. Mariano
C. Ronco
A. Shaw
G. Villa
P. Honoré
S. Goldstein*

SESSION 10 - NEW HORIZONS in AKI and CRRT

Chairmen: P. Honoré - S. Goldstein

- 11.00 Bedside GFR Measurement and Automatic Measurement of Urine Output in AKI
- 11.20 Acid base derangements in ICU
- 11.40 Hypothermia & the Kidney
- 12.00 The Nomenclature Initiative
- 12.20 Italian Survey on CRRT
- 12.40 Discussion and ECM questionnaire
- 13.00 *Lunch and Farewell*

*B. Molitoris
M. Emmett
S. De Rosa
J. Cerda
C. Ronco*

Secretariat

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