



Regione Veneto - AUSL 8 Berica  
Department of Nephrology, Dialysis and Renal Transplantation  
International Renal Research Institute Vicenza - IRRIV  
San Bortolo Hospital - Vicenza - Italy



# 37<sup>th</sup> Vicenza Course on AKI & CRRT

May 28 - 30, 2019 Fiera di Vicenza Convention Center | Vicenza | Italy

MAY 28

Joined Session IRRIV - SIN | Room Giotto  
12.30 | 14.00 Selected Poster Presentation - *Chairmen: G. Brunori | L. Gesualdo*

## AKI Path | Room Giotto

**SESSION 1 | AKI in Different Settings**  
*Chairmen: J. Kellum | M. Joannidis*

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|-------|---------------------------|---------------------|
| 14.30 | AKI as a worldwide burden | <i>R. L. Mehta</i>  |
| 14.50 | AKI in Cardiac Surgery    | <i>A. Zarbock</i>   |
| 15.10 | AKI in sepsis             | <i>R. Bellomo</i>   |
| 15.30 | AKI in Onco-hematology    | <i>M. Rosner</i>    |
| 15.50 | AKI in ICU                | <i>M. Joannidis</i> |
| 16.10 | AKI from Lab perspective  | <i>J. Lieske</i>    |
| 16.30 | Endophenotypes of AKI     | <i>J. Kellum</i>    |
| 16.50 | TBA                       | <i>TBA</i>          |
| 17.10 | ADJOURN                   |                     |

## CRRT Path | Room Tiziano

**SESSION 1 | Basics of CRRT**  
*Chairmen: A. Tolwani | W. Clark*

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|-------|--|-------------------|
| 14.30 | Evolution of CRRT devices and machines   | <i>C. Ronco</i>   |
| 14.50 | Vascular Access for CRRT                 | <i>Z. Ricci</i>   |
| 15.10 | Anticoagulation in CRRT                  | <i>A. Tolwani</i> |
| 15.30 | Mechanisms of solute and water transport | <i>C. Ronco</i>   |
| 15.50 | Membranes for CRRT                       | <i>W. Clark</i>   |
| 16.10 | CRRT Modalities                          | <i>T. Rimmelé</i> |
| 16.30 | CRRT fluid balance and composition       | <i>R. Bellomo</i> |
| 16.50 | Discussion                               |                   |
| 17.10 | ADJOURN                                  |                   |

## Room Palladio

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|-------|---|-------------------|
| 18.30 | Opening Ceremony                              |                   |
| 18.45 | International Vicenza Award                   |                   |
| 19.00 | The University of Padova across the centuries | <i>R. Rizzuto</i> |
| 19.30 | Welcome Reception                             |                   |

MAY 29

## AKI Path | Room Giotto

**SESSION 2 | UVA - IRRIV session: AKI in Transplant & Cancer**  
*Chairmen: M. Rosner | F. Fabris*

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|-------|---|---------------------|
| 08.10 | AKI in the Late Post-Transplant Period      | <i>A. Doyle</i>     |
| 08.30 | AKI in the Early Post-Transplant Period     | <i>K. Warburton</i> |
| 08.50 | AKI in the Cancer Patient                   | <i>M. Rosner</i>    |
| 09.10 | Peritoneal Dialysis in the Patient with AKI | <i>S. Khan</i>      |
| 09.30 | Discussion                                  |                     |
| 09.40 | BREAK                                       |                     |

**SESSION 3 | KDIGO-IRRIV Session: KDIGO Guidelines and Controversies**  
*Chairmen: L. Forni | J. Kellum*

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|-------|--|---------------------|
| 10.00 | What's changed since the last KDIGO AKI guideline? | <i>M. Ostermann</i> |
| 10.15 | Diagnostic and nomenclature controversies          | <i>K. Kashani</i>   |
| 10.30 | Fluids and drugs                                   | <i>J. Prowle</i>    |
| 10.45 | RRT Controversies                                  | <i>R. Bellomo</i>   |
| 11.00 | What's next?                                       | <i>J. Kellum</i>    |
| 11.20 | Discussion   |                     |

## CRRT Path | Room Tiziano

**SESSION 2 | Clinical Aspects of CRRT**  
*Chairmen: S. Bagshaw | V. Cantaluppi*

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|-------|--|--------------------|
| 08.10 | When and how I prescribe CRRT          | <i>R. L. Mehta</i> |
| 08.30 | Initiation and discontinuation of CRRT | <i>S. Bagshaw</i>  |
| 08.50 | Quality indicators in CRRT             | <i>C. Ronco</i>    |
| 09.10 | Clotting or bleeding what is worse?    | <i>R. Bellomo</i>  |
| 09.30 | Discussion                             |                    |
| 09.40 | BREAK                                  |                    |

**SESSION 3 | Practical Management of CRRT**  
*Chairmen: S. De Rosa | G. Villa*

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|-------|---------------------------------------|---------------------|
| 10.00 | CRRT: what are the unsolved issues?   | <i>S. Bagshaw</i>   |
| 10.20 | Acid Base and Electrolyte correction  | <i>P. Honoré</i>    |
| 10.40 | Choice of CRRT modality               | <i>S. Romagnoli</i> |
| 11.00 | Convection or diffusion? The evidence | <i>Z. Ricci</i>     |
| 11.20 | Discussion                            |                     |

## Meet the Experts Path | Room Canova

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|-------|---|---------------------------------------|
| 10.00 | When and How to prescribe RRT in AKI                  | <i>R. L. Mehta &amp; A. Zarbock</i>   |
| 10.45 | Diagnosing and managing aHUS and kidney complications | <i>F. Fabris &amp; D. J. Askenazi</i> |

## Room Canova

11.30 Industry-Sponsored Symposium 1

## Room Giotto

11.30 Industry-Sponsored Symposium 1

## Room Tiziano

11.30 Industry-Sponsored Symposium 1

13.00 LUNCH

## AKI Path | Room Giotto

**SESSION 4 | ADQI - IRRIV session: Quality Measures and Prevention in AKI**  
*Chairmen: A. Pani | K. Kashani*

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|-------|---|---------------------|
| 15.00 | Quality Standards to prevent AKI                    | <i>A. Lewington</i> |
| 15.20 | AKI risk modification quality indexes               | <i>A. Zarbock</i>   |
| 15.40 | Quality of care and safety measures after AKI       | <i>K. Kashani</i>   |
| 16.00 | Quality of care and safety for Acute Kidney Disease | <i>J. Koyner</i>    |
| 16.20 | Discussion  |                     |
| 16.30 | BREAK   |                     |

**SESSION 5 | AKI Biomarkers**  
*Chairmen: M. Plebani | T. Rimmelé*

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|-------|-------------------------------------|-------------------------|
| 17.00 | FAQs on AKI biomarkers              | <i>J. Kellum</i>        |
| 17.20 | AKI Biomarkers in cardiac patients  | <i>P. A. McCullough</i> |
| 17.40 | Biomarker-driven preventive actions | <i>A. Zarbock</i>       |
| 18.00 | How do I use AKI biomarkers         | <i>L. Forni</i>         |
| 18.20 | Discussion                          |                         |
| 18.30 | ADJOURN                             |                         |

## CRRT Path | Room Tiziano

**SESSION 4 | CCH - IRRIV session: Pediatric AKI**  
*Chairmen: S. Goldstein | E. Vidal*

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|-------|---|-----------------------|
| 15.00 | Pediatric AKI: Epidemiology and Outcomes  | <i>S. Sutherland</i>  |
| 15.20 | AKI in Neonates: Epidemiology and Outcomes  | <i>D. J. Askenazi</i> |
| 15.40 | Acute RRT in the Pediatric Setting  | <i>Z. Ricci</i>       |
| 16.00 | Moving Forward with AKI Treatment in Children: Risk Stratification and Biomarker Integration to Direct Care | <i>S. Goldstein</i>   |
| 16.20 | Discussion  |                       |
| 16.30 | BREAK   |                       |

**SESSION 5 | CCCN - IRRIV session: Kidney Frailty**  
*Chairmen: J. Kellum | V. Cantaluppi*

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|-------|--------------------------------------|-----------------------|
| 17.00 | Detecting the frail kidney with RFR  | <i>F. Husain-Syed</i> |
| 17.20 | Kids have frail kidneys too          | <i>D. Furhman</i>     |
| 17.40 | Managing the frail kidney with CRRT  | <i>R. Murugan</i>     |
| 18.00 | Cellular mechanism of kidney frailty | <i>D. Emler</i>       |
| 18.20 | Discussion                           |                       |
| 18.30 | ADJOURN                              |                       |

## Room Tiziano

13.30 Industry-Sponsored Symposium 2

## Room Giotto

13.30 Industry-Sponsored Symposium 2

## Room Canova

13.30 Industry-Sponsored Symposium 2

## Meet the Experts Path | Room Canova

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|-------|-------------------------------------|--------------------------------------|
| 15.00 | How to manage fluids in AKI and RRT | <i>R. Bellomo &amp; M. Ostermann</i> |
| 15.45 | Managing anticoagulation in CRRT    | <i>A. Tolwani &amp; G. Villa</i>     |

MAY 30

## AKI Path | Room Giotto

**SESSION 6 | Organ Interactions and AKI (ADQI consensus)**  
*Chairmen: M. Joannidis | S. De Rosa*

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|-------|--|-----------------------|
| 08.10 | Lung & kidney                                | <i>F. Husain-Syed</i> |
| 08.30 | Mechanical ventilation ECMO & kidney support | <i>A. Shaw</i>        |
| 08.50 | Mechanisms for hepato-renal syndrome         | <i>L. Juncos</i>      |
| 09.10 | Hepato-renal syndrome                        | <i>P. Angeli</i>      |
| 09.30 | Discussion                                   |                       |
| 09.40 | BREAK  |                       |

**SESSION 7 | CRSA - IRRIV Session: Cardio-Renal Interactions and AKI**  
*Chairmen: P. A. McCullough | A. Bellasi*

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|-------|---|-------------------------|
| 10.00 | Cardio-Renal interactions and Renal Functional Reserve      | <i>J. Rangaswami</i>    |
| 10.20 | Contrast Induced AKI  | <i>P. A. McCullough</i> |
| 10.40 | Anemia and Hyperkalemia management in Cardio-Renal patients | <i>E. Lerma</i>         |
| 11.00 | Ultrafiltration for congestive heart failure                | <i>A. Kazory</i>        |
| 11.20 | Discussion  |                         |

## CRRT Path | Room Tiziano

**SESSION 6 | Clinical Management of CRRT**  
*Chairmen: M. Bell | G. Grandaliano*

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|-------|--|--------------------|
| 08.10 | Dose prescription in CRRT                | <i>J. Prowle</i>   |
| 08.30 | Dose delivery versus dose prescription   | <i>R. L. Mehta</i> |
| 08.50 | Ensuring accurate fluid balance          | <i>R. Murugan</i>  |
| 09.10 | Treatment monitoring and data collection | <i>M. Bell</i>     |
| 09.30 | Discussion                               |                    |
| 09.40 | BREAK                                    |                    |

**SESSION 7 | Managing Complications of CRRT**  
*Chairmen: J. Prowle | P. Honoré*

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|-------|---------------------------------------|---------------------|
| 10.00 | 10 False Beliefs in CCN               | <i>Z. Ricci</i>     |
| 10.20 | Preserving circuit patency in CRRT    | <i>A. Tolwani</i>   |
| 10.40 | Membrane and Filter related problems  | <i>W. Clark</i>     |
| 11.00 | Clinical complications and management | <i>M. Ostermann</i> |
| 11.20 | Discussion                            |                     |

## Meet the Experts Path | Room Canova

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|-------|---|--------------------------------------|
| 10.00 | AKI in pregnancy                            | <i>G. Ankawi &amp; F. K. Martino</i> |
| 10.45 | Extracorporeal endotoxin removal for sepsis | <i>C. Ronco &amp; T. Rimmelé</i>     |

## Room Canova

11.30 Industry-Sponsored Symposium 3

## Room Giotto

11.30 Industry-Sponsored Symposium 3

## Room Tiziano

11.30 Industry-Sponsored Symposium 3

13.00 LUNCH

## AKI Path | Room Giotto

**SESSION 8 | SEPSIS and AKI 2019**  
*Chairmen: A. Brendolan | C. Ronco*

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|-------|--|---------------------|
| 15.00 | Sepsis in 2018                           | <i>P. Murray</i>    |
| 15.20 | General management of the septic patient | <i>M. Ostermann</i> |
| 15.40 | Extracorporeal Therapies in Sepsis       | <i>T. Rimmelé</i>   |
| 16.00 | Sequential therapy approach in Sepsis    | <i>C. Ronco</i>     |
| 16.20 | Discussion                               |                     |
| 16.30 | BREAK                                    |                     |

**SESSION 9 | Mayo Clinic - IRRIV Session**  
*Chairmen: K. Kashani | E. Lerma*

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|-------|----------------------------------|----------------------|
| 16.45 | Real time GFR                    | <i>S. Goldstein</i>  |
| 17.05 | Renal Functional Reserve         | <i>V. Cantaluppi</i> |
| 17.25 | NOACS & KIDNEY                   | <i>L. Di Lullo</i>   |
| 17.45 | Biomarkers of progression to CKD | <i>G. Castellano</i> |
| 18.05 | Discussion                       |                      |
| 18.15 | ADJOURN                          |                      |

## CRRT Path | Room Tiziano

**SESSION 8 | Acute Extracorporeal Therapies**  
*Chairmen: J. Prowle | V. Cantaluppi*

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|-------|--|----------------------|
| 15.00 | New Membranes (from VitE functionalization to endotoxin/cytokine adsorption) | <i>C. Ronco</i>      |
| 15.20 | Coupled Plasma Filtration Adsorption   | <i>V. Cantaluppi</i> |
| 15.40 | High Cut off Membranes   | <i>G. Villa</i>      |
| 16.00 | Lipoprotein Apheresis and cardiovascular disease                             | <i>TBA</i>           |
| 16.20 | Discussion   |                      |
| 16.30 | BREAK  |                      |

**SESSION 9 | Acute Extracorporeal Therapies**  
*Chairmen: T. Rimmelé | D. J. Askenazi*

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|-------|---------------------------------------|-----------------------|
| 16.45 | Adsorption Techniques                 | <i>G. Ankawi</i>      |
| 17.05 | Is online fluid preparation Feasible? | <i>W. Clark</i>       |
| 17.25 | Ultrafiltration for heart failure     | <i>A. Kazory</i>      |
| 17.45 | Apheresis in acute patients           | <i>D. J. Askenazi</i> |
| 18.05 | Discussion                            |                       |
| 18.15 | ADJOURN                               |                       |

## Room Tiziano

13.30 Industry-Sponsored Symposium 4

## Room Giotto

13.30 Industry-Sponsored Symposium 4

## Room Canova

13.30 Industry-Sponsored Symposium 4

## Meet the Experts Path | Room Canova

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|-------|---|--|
| 15.00 | CO2 removal: indications and technology   | <i>S. De Rosa &amp; F. Husain-Syed</i> |
| 15.45 | How to use biomarkers in clinical routine | <i>J. Kellum &amp; J. Koyner</i>       |