



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



**IRRIV**  
International  
Renal Research  
Institute Vicenza



**39<sup>th</sup> Vicenza Course**  
**on**  
**AKI & CRRT**  
**VIRTUAL MEETING**

**OCTOBER 26-29, 2021**

[www.irriv.com](http://www.irriv.com)

[www.npsevents.it](http://www.npsevents.it)

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

October 26-29, 2021

## COURSE PRESENTATION

The pandemic emergency called Covid-19 (Sars-Cov-2) continues to impose measures of prevention that include social distancing, limitation of international travels and conferences where crowding would be inevitable.

For this reason, the organizing committee of the Vicenza AKI and CRRT conference 2021 has decided, in collaboration with the scientific committee, to maintain also for the 2021 edition the fully virtual modality. As last year, the special web-based platform has been further improved to ensure the perfect fruition of the scientific program, and the possibility to follow the presentations by the registered guests also a few months after the event on our educational IRRIV web site.

The course will be distributed over 4 days in which the time of scientific webinars and controversies will cover the selected topics in a series of sessions for a duration of 3-4 hours/day.

The webinars contain a compendium of current knowledge on Critical Care Nephrology and cover two main topics: 1) Acute Kidney Injury (AKI) describing the epidemiology, pathophysiology, mechanism, prevention and diagnosis through biomarkers and action strategies in different settings such as cardiac surgery, intensive care unit, cardiology, nephrology and sepsis. 2) Continuous Renal Replacement Therapies (CRRT) describing indications, modalities, prescription and delivery, different techniques and clinical results. Special emphasis will be given to conditions of kidney damage/dysfunction, sepsis, fluid overload and settings such as oncology, cardiology and cardiac surgery, trauma and sepsis, and finally septic shock. The new sorbents, membranes, machines and therapies available in this field are presented as well as new treatment strategies and recent trials in the field. Finally, a section will be dedicated to the SARS-Cov-2 pandemic and the consequences in intensive care and nephrology.

A series of lectures and panel discussions will be delivered during the days of the course. Our task is to put together specialists from different disciplines in a single scientific event with a multidisciplinary approach to the critically ill patient with acute kidney injury and multiple organ dysfunction.

Recordings containing most of the material presented at the course will be accessible for a month to participants in order to perpetuate the educational message of the course and enable those who could not take part in any of the sessions, to follow and learn off line.

For 39 years we have been a cornerstone in education and science in the field of critical care nephrology and we tried to make an important effort for a better patient care.

Companies and Members from the industry of the field are invited to join the event reserving Virtual booths and scientific spaces in between the program scientific sessions, providing additional information in areas and topics of their choice.

This is a unique event in 2021 and it will serve as a pillar for knowledge and education in the fields of AKI, CRRT and Critical Care Nephrology.

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## October 26, 2021

13.00 [SPONSORED ACTIVITY - 30' Symposium](#)

**Chairs of the day: Claudio Ronco & Marlies Ostermann**

### **LECTURE:**

13.30 Critical care Nephrology: 30 year perspective

*R. Bellomo*

### **Block 1: ACUTE KIDNEY INJURY**

13.45 The continuum of AKI (Definition /Classification)

*M. Ostermann*

13.57 AKI epidemiology today

*N. Pannu*

14.09 AKI Risk modifiers and mitigators

*K.D. Liu*

14.21 Patterns of AKI Recovery

*L. Forni*

14.33 Transitioning from AKI to CKD

*G. Castellano*

14.45 Discussion

15.00 [SPONSORED ACTIVITY - 10' Meet the expert](#)

15.10 [SPONSORED ACTIVITY - 5' Cappuccino](#)

### **Block 2: AKI & SEPSIS**

15.15 Sepsis in 2021: What are the unresolved issues?

*J.L. Vincent*

15.27 AKI in Sepsis: What do we need to understand?

*E. See*

15.39 Sepsis and AKI: do we have useful biomarkers?

*A. Zarbock*

15.51 New options to achieve evidence in sepsis

*C. Ince*

16.03 Discussion

16.15 [SPONSORED ACTIVITY - 15' Meet the expert](#)

### **Block 3: AKI & BIOMARKERS**

16.30 Biology of AKI biomarkers

*M. Okusa*

16.42 Role of biomarkers in AKI definition

*M. Ostermann*

16.54 Biomarker-guided interventions in AKI

*A. Zarbock*

17.06 Biomarkers and CRRT

*R.K. Basu*

17.18 PSP in bacterial superinfection in Covid-19

*F. Ventura*

17.30 Discussion

17.45 SPONSORED ACTIVITY - 45' Symposium

18.25 ADJOURN

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## October 27, 2021

13.00 [SPONSORED ACTIVITY - 30' Symposium](#)

**Chairs of the day: Claudio Ronco & Ashita Tolwani**

### **LECTURE:**

13.30 Acute RRT 30 years perspective

*R. Mehta*

### **Block 4: AKI MANAGEMENT**

13.45 CRRT initiation: The final cut

*M. Meersch*

13.57 When do I begin in my practice

*E. Macedo*

14.09 Can I use artificial intelligence to begin RRT?

*K. Kashani*

14.21 Refining indications for RRT initiation

*J. Prowle*

14.33 Discussion

14.45 [SPONSORED ACTIVITY - 15' Meet the expert](#)

### **Block 5: CHOICES FOR RRT**

15.00 How to choose anticoagulation

*A. Tolwani*

15.12 How to choose a membrane

*W. Clark*

15.24 How to choose a technique

*P. Murray*

15.36 How to measure quality of performance

*T. Mottes*

15.48 Discussion

16.00 [SPONSORED ACTIVITY - 5' Cappuccino](#)

16.05 [SPONSORED ACTIVITY - 5' Cappuccino](#)

16.10 [SPONSORED ACTIVITY - 5' Cappuccino](#)

### **Block 6: FLUID MANAGEMENT**

16.15 Net ultrafiltration, management and outcomes

*R. Murugan*

16.27 Fluid infusion, net UF and hemodynamics

*R. Murugan*

16.39 Fluid Balance in STARRT-AKI: a secondary analysis

*S. Bagshaw*

16.51 Artificial diuresis: A new approach

*C. Ronco*

17.03 Discussion

17.15 [SPONSORED ACTIVITY - 45' Symposium](#)

17.55 ADJOURN

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## October 28, 2021

13.00 [SPONSORED ACTIVITY - 30' Symposium](#)

**Chairs of the day: Claudio Ronco & Stefano Romagnoli**

### **LECTURE:**

13.30 Industry and Academia: joining the forces in AKI

*J. Kellum*

### **Block 7: ORGAN CROSSTALK**

13.45 Update on Heart-Kidney Interaction

*A. Kazory*

13.57 Update on Lung-Kidney interaction

*F. Husain-Syed*

14.09 The IRRIV Index in AKI diagnosis

*S. Samoni*

14.21 Update on Liver-kidney interaction

*M. Nadim*

14.33 Brain - kidney interaction

*S. Tanaka*

14.45 Metabolism in AKI and sepsis

*S. Huen*

14.57 Discussion

15.10 [SPONSORED ACTIVITY—15' Meet the expert](#)

### **Block 8: AKI: SPECIAL ASPECTS**

15.25 Perioperative AKI: ADQI update

*A. Shaw*

15.37 Thermoneutral regulation of AKI

*L. Curtis*

15.49 Contrast induced AKI?

*N. Pannu*

16.01 Discussion

16.15 SPONSORED ACTIVITY - 15' Meet the expert

### **Block 9: AKI in Covid-19 (ADQI Consensus)**

16.30 Epidemiology of AKI in Covid-19

*L. Yang*

16.42 Mechanisms of Kidney damage in SARS-CoV2 infection

*V. Cantaluppi*

16.54 Prevention and management

*N. Lumlertgul*

17.06 Dialysis Applications

*A. Vijayan*

17.18 Extracorporeal Therapies

*T. Reis*

17.30 Discussion

17.45 [SPONSORED ACTIVITY - 45' Symposium](#)

18.25 ADJOURN

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## October 29, 2021

13.00 [SPONSORED ACTIVITY - 30' Symposium](#)

**Chairs of the day: Claudio Ronco & Mitchel Rosner**

### **LECTURE:**

13.30 AKI Worldwide

*J. Moura Neto*

### **Block 10: PEDIATRIC AKI & CRRT**

13.45 Neonatal and pediatric AKI

*S. Goldstein*

13.57 Update on Carpediem registry

*E. Vidal*

14.09 Combining CRRT and ECMO

*Z. Ricci*

14.21 Planning a pediatric ADQI

*R.K. Basu*

14.33 Discussion

14.45 [SPONSORED ACTIVITY - 5' Cappuccino](#)

14.50 [SPONSORED ACTIVITY - 5' Cappuccino](#)

### **Block 11: NEW TECHNIQUES IN AKI AND SEPSIS**

15.00 Sequential extracorporeal therapy

*S. De Rosa*

15.12 Application of sorbents

*T. Rimmelé*

15.24 New extracorporeal blood purification techniques

*C. Monard*

15.36 Experience with sorbents in Covid-19

*N. Srisawat*

15.48 ET for cytokine release syndrome in CAR-T therapy

*G. Bottari*

16.00 The ARRT registry

*G. Villa*

16.12 Discussion

16.30 [SPONSORED ACTIVITY - 15' Meet the expert](#)

### **Block 12: ECOS**

16.45 The Art of decongestion in heart failure

*A. Kazory*

16.57 Extracorporeal Liver Support

*M. Nadim*

17.09 Extracorporeal therapies: a view on the future

*J. Cerda*

17.21 Extracorporeal Lung Support

*P. Navalesi*

17.33 Discussion

17.45 [SPONSORED ACTIVITY - 45' Symposium](#)

18.25 ADJOURN

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## October 26-29, 2021

### General info

#### **Registration**

The registration fee of 250€ (tax included) will include: attendance at the scientific sessions, attendance certificate, attendance at the sponsored symposia and at all the sponsored activities, access to on-demand contents available until December 31<sup>st</sup> 2021, access to the Q&A during the meeting

DEADLINE - Registrations will close on October 22<sup>nd</sup>, 2021, 6.00 pm CET

CANCELLATION POLICY - Cancellation is possible until October 17<sup>th</sup>, 2021

All the requests must be submitted by e-mail to [office@npsevents.it](mailto:office@npsevents.it)

#### **Call for E-POSTERS!**

The Scientific Program Committee is glad to inform that the congress will host a special virtual E-Poster area.

Send an Acute Kidney Injury or a Critical Care Nephrology E-Poster with its abstract that will be published in a special issue of Blood Purification!

E-Posters and abstracts must be

submitted contextually to [info@irriv.com](mailto:info@irriv.com) by October 8<sup>th</sup>, 2021.

Presenting authors should pay the registration fee and attend the meeting.

Check carefully the E-Posters and abstract guidelines. Download [here](#) the material.

#### **MEDICI SPECIALIZZANDI (Italians Only)**

Il congresso è lieto di mettere a disposizione un numero limitato di iscrizioni gratuite per Medici Italiani iscritti a Scuole di Specialità in Nefrologia, Cardiologia, Cardio-Chirurgia, Terapia Intensiva e Medicina D'Emergenza-Urgenza che presenteranno un E-Poster in occasione del congresso. Per candidarsi sarà necessario inviare l'E-Poster con il relativo abstract (riferirsi alle linee guida sopra riportate) unitamente al certificato di iscrizione alla Scuola di Specialità a [info@irriv.com](mailto:info@irriv.com).

Verranno accettate le richieste inviate entro e non oltre l'8 Ottobre p.v. e complete della documentazione necessaria.

Le richieste sottomesse con documentazione incompleta o ricevute dopo tale data NON verranno accettate.

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## General info

### Technical Info

- PC Windows (7 and newer releases), Mac (from macOS 10.9 to newer releases), Linux. Android or Apple iOS devices.
  - cable or wireless (Wi-Fi o 4G) internet connection with stable broadband connection (at least 2 Mbps in download).
  - built-in or cable connected speakers
  - minimum screen resolution 800 x 600 (but not less than 1024 x 768)
- Browser:
- Windows: Chrome 30+ (suggested). Edge 12+, Firefox 27+
  - Mac: Chrome 30+ (suggested), Safari 7+, Firefox 27+
  - Linux: Chrome 30+ (suggested), Firefox 27+

### Accreditamento ECM (Italians Only)

Provider: NEW PROGRESS SERVICE SRL - Provider No.: 1257

Piattaforma FAD: <https://npselearning.it/>

Il corso è stato accreditato per le seguenti professioni sanitarie:

- Anestesisti e rianimatori
- Biologi
- Cardiochirurghi
- Cardiologi
- Infermieri
- Infermieri pediatrici
- Intensivisti
- Medici di medicina generale
- Medici internisti
- Nefrologi
- Patologi
- Pediatri
- Tecnici della fisiopatologia cardiocircolatoria e perfusionale cardiovascolare
- Tecnici sanitari di laboratorio biomedico



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We are thankful to the following companies for sponsoring the 39th Vicenza Course on AKI & CRRT - virtual meeting



GE Healthcare



Jafron 健帆



Ortho Clinical Diagnostics



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## Contacts

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### **MEETING PLANNERS**

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