38th Vicenza Course on AKI & CRRT
a week of virtual meetings

November
2-6, 2020

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Course Presentation

The pandemic emergency called Covid-19 (sars-cov-2) has imposed 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 2020 has decided, in collaboration with the scientific committee, to modify the logistics of the conference making it fully virtual. For this purpose, a special web-based platform has been identified and implemented to create a full scientific program, including the topics and the speakers that were originally scheduled in the residential version of the course.

The course will be therefore distributed over 5 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 37 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 2020 and it will serve as a pillar for knowledge and education in the fields of AKI, CRRT and Critical Care Nephrology.
November 2\textsuperscript{nd}, 2020

Chairs of the day: Claudio Ronco & John Kellum

**Block 1: AKI & SEPSIS**

13.30  AKI in Sepsis: mechanisms, phenotype and biotype  
13.42  Sepsis and AKI: why many trials fail?  
13.54  Clinical evidence and sepsis: are randomized clinical trials essential?  
14.06  Which end points for new trials in sepsis?  
14.18  Discussion

14.23  Cappuccino with Claudio Ronco

**Block 2: AKI & BIOMARKERS**

14.30  Do we need a new definition of AKI?  
14.42  Using biomarkers to improve AKI definition  
14.54  Using biomarkers to manage AKI  
15.06  PSP in the early diagnosis of sepsis  
15.18  Discussion

15.23  Meet the expert

**Block 3: AKI CONTINUUM**

15.38  The continuum of AKI  
15.50  From AKI to AKD and CKD  
16.02  Patterns of AKI Recovery  
16.14  Discussion

16.19  Sponsored symposium

17.04  Adjourn
November 3rd, 2020

12.45  Sponsored symposium

Chairs of the day: Claudio Ronco & Marlies Ostermann

Block 4: CRRT START
13.30  CRRT initiation: I want an early start  
       L. Forni
13.40  CRRT initiation: I want to wait and see  
       M. Meersch
13.50  What does the STARRT Trial suggest?  
       S. Bagshaw
14.00  Discussion
14.05  Meet the expert

Block 5: CRRT QUALITY
14.30  Quality measures AKI management  
       R. Mehta
14.45  Measuring Quality of a CRRT Programme  
       T. Mottes
15.00  Key Points in measuring Quality  
       K. Kashani
15.10  Discussion
15.15  Sponsored symposium

Block 6: ULTRAFILTRATION
15.45  Net UF and mortality in CRRT  
       R. Murugan
15.57  Net UF and the hemodynamics  
       S. Romagnoli
16.09  Net UF and Renal Recovery  
       R. Murugan
16.21  Discussion
16.27  Sponsored symposium

17.12  Adjourn
November 4th, 2020

Chairs of the day: Claudio Ronco & John Prowle

Block 7: ORGAN CROSSTALK
13.30 Heart – Kidney Interaction
13.42 Lung and Kidney interaction
13.54 Cardiorenal interactions and NGAL
14.06 Discussion

14.10 Meet the expert

Block 8: PERIOPERATIVE KIDNEY CARE
14.30 Perioperative AKI: The Cambridge resolutions
14.42 Perioperative AKI: Prevention Strategies
14.54 Outcomes after Perioperative AKI
15.06 Discussion

15.15 Meet the expert

Block 9: AKI and ICT
15.30 Augmented Human Intelligence and AKI management
15.45 AKI: from Big Data to bedside
16.00 What’s next?
16.10 Discussion

16.15 Sponsored symposium

17.00 Adjourn
November 5th, 2020

Chairs of the day: Claudio Ronco & Zaccaria Ricci

Block 10: CRRT MEMBRANES
13.30 The promise of HCO and MCO membranes  
13.42 New membranes for CRRT  
13.54 Surface modified membranes  
14.06 Discussion

14.15 Cappuccino with Claudio Ronco

Block 11: SORBENTS
14.20 Endotoxin removal in sepsis  
14.32 Cytokine removal in immunodysregulation  
14.44 Sequential extracorporeal therapy  
14.56 Discussion

15.00 Meet the expert

Block 12: ECOS
15.15 Extracorporeal Lung Support  
15.25 Extracorporeal Cardiac support  
15.35 Extracorporeal Liver Support  
15.45 Extracorporeal support in infants  
15.55 Discussion

16.15 Sponsored symposium

17.00 Adjourn
November 6th, 2020

Chairs of the day: Claudio Ronco & Mitchell Rosner

Block 13: FLUID MANAGEMENT
13.30 Diuretics or Extracorporeal UF  
13.42 The danger of fluid overload  
13.54 How to assess fluid status during CRRT  
14.06 Discussion  
14.11 Sponsored educational activity

Block 14: SPECIAL TOPICS
14.30 Contrast-induced AKI in special patient categories  
14.42 New insights in atypical hemolytic uremic syndrome  
14.54 Moving from acute RRT to chronic RRT  
15.06 Discussion  
15.15 Meet the expert

Block 15: AKI and COVID-19
15.30 Epidemiology  
15.40 Mechanisms  
15.50 Prevention of AKI  
16.00 CRRT and renal support  
16.10 Extracorporeal Blood Purification Techniques  
16.15 Sponsored symposium

17.00 General discussion  
17.15 Conclusion
General info

Registration
The registration fee of 350€ (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 31st 2020, access to the Q&A during the meeting
DEADLINE - Registrations will close on October 30th, 2020
CANCELLATION POLICY - Cancellation is possible until October 25th, 2020
All the requests must be submitted by e-mail to 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!
E-Posters must be submitted to info@irriv.com by October 25th, 2020.
Presenting authors must pay the registration fee and attend the meeting.
Please ask for the E-Poster template at info@irriv.com and check E-Poster guidelines here
Abstracts guidelines are available here. Download the Abstract sample here.

**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 (riferirsi alle linee guida sopra riportate) unitamente al certificato di iscrizione alla Scuola di Specialità a info@irriv.com.
Verranno accettate le richieste inviate entro e non oltre il 16 Ottobre p.v. e complete della documentazione necessaria.
Le richieste sottomesse con documentazione incompleta o ricevute dopo tale data NON verranno accettate.

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
- ID Evento: 1257-303666 Ed.1
- Crediti Assegnati: 16,5
- 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 internistici, Nefrologi, Patologi, Pediatri, Tecnici della fisiopatologia cardiocircolatoria e perfusione cardiovascolare, Tecnici sanitari di laboratorio biomedico
We are thankful to the following companies for sponsoring the 38th Vicenza Course on AKI & CRRT - a week of virtual meetings.
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