



**3. INTERNATIONAL CONFERENCE**  
on Extracorporeal Organ Support  
**23.04. - 26.04. 2025. Dubrovnik**

# **3. INTERNATIONAL CONFERENCE** on Extracorporeal Organ Support **23.04. - 26.04. 2025. Dubrovnik**

**PROGRAMME**

**Hotel Sheraton, Mlini**



**Wednesday 23.4.2025.**



**3. INTERNATIONAL CONFERENCE**  
on Extracorporeal Organ Support  
**23.04. - 26.04. 2025. Dubrovnik**

**11:00-12:00**

**PLENARY ROOM**

**Workshop Hemodialysis 1**

*(chairs: Vladimir Gasparovic,  
Ivan Durlen)*

*Ema Ivandic  
Rodoljub Markovic  
Vladimir Gasparovic  
Vladimir Pushevski*

**HALL A**

**Workshop ECMO**

*(chairs Daniel Lovric, Camillo Pizarro)*

*Daniel Lovric  
Jeffrey DellaVolpe  
Linda Sousse  
Camillo Pizarro*

**12:00-13:00**

**Workshop Clinical  
Nephrology**

*(chairs: Ivana Vukovic-Brinar,  
Mirna Aleckovic)*

*Sebastjan Bevc  
Mirna Aleckovic  
Ivana Vukovic-Brinar  
Margareta Fistrek-Prlic*

**Woskhop Hemodialysis 2**

*(chairs: Robert Ekart, Benjamin Koch)*

*Robert Ekart  
Benjamin Koch  
Ivan Durlen  
Ioannis Griveas*

**Wednesday 23.4.2025.**



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**PLENARY ROOM**

**13:00-14:00**

**Workshop ICU1**

*(chairs: Jasminka Persec, Faeq Husain-Syed)*

*Faeq Husain-Syed  
Vladimir Krajinovic  
Jasminka Persec  
Vladimir Prelevic*

**HALL A**

**Workshop Plasma Exchange**

*(chairs: Olivier Moranne, Ioannis Griveas)*

*Olivier Moranne  
Manish Kaushik  
Danilo Radunovic  
Ioannis Griveas*

**14:00-14:30**

*Industry sponsored session*

**14:30-14:45**

*Coffee break*

**Wednesday 23.4.2025.**



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23.04. - 26.04. 2025. *Dubrovnik*

**PLENARY ROOM**

**14:45-15:55**

**Challenges in PICU  
Management**

*(chairs: Henando Gomez, Dana Fuhrmann)*

Rajit Basu

***Can Kinetic Fluid Balance and LaVoisier  
Drive Reduce Patient Morbidity?***

Gabriella Bottari

***Results from the CYTOPED study***

Stuart Goldstein

***I believe biomarkers tell me about  
tubular injury  
- but how can they make me a better  
physician at the bedside?***

Danielle Soranno

***AKI Impairs Childhood Growth***



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23.04. - 26.04. 2025. *Dubrovnik*

**15:55-16:40**

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***Industry Sponsored Sessions***

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**PLENARY ROOM**

**16:40-17:50**

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**ICEOS selected lectures**

***(chairs: Thomas Rimmel, Claudio Ronco)***

John Kellum

***Healthcare crisis in the US and its  
implications for the rest of the world***

Ravindra Mehta

***Shared decision making:  
What matters to our patients?***

Claudio Ronco

***Emerging applications  
of hemoadsorption***

**17:50**

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***Opening Ceremony***

Marko Kutlesa

***Experience and sometimes  
despair of an ICU physician***

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**Thursday 24.4.2025.**



**3. INTERNATIONAL CONFERENCE**  
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**08:00-08:55**

**PLENARY ROOM**

**New Therapeutic Approaches for  
Pathogen Elimination**

*(chairs: John Prowle, Silvia DeRosa)*

Benjamin Koch

***The antibiotic crisis: How bacterial  
predators can help***

Stefan Buttner

***An Overview on Virus Elimination***

Lui Forni

***Pathogen removal by hemoadsorbents***

**HALL A**

**Pathophysiology and  
Treatment for  
Organ Failure in Burns**

*(chairs: Jeffrey DellaVolpe,  
Shahed Omar)*

Perenlei Enkhbaatar

***Ovine model of grafted full thickness  
burn wound healing***

Thomas Rimmele

***Hemoadsorption in burns***

Linda Sousse

***The hypermetabolic response to burn  
injury and its treatments***

**Thursday 24.4.2025.**



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**PLENARY ROOM**

**08:55-10:05**

**Management of Fluids in AKI  
and ICU**

*(chairs: John Prowle, Marcus Broman)*

*Morten Bestle*

**Fluid removal in ICU patients with fluid  
overload**

*Ravindra Mehta*

**Fluid Management in CRRT: Net  
Balance vs Net UF**

*John Prowle*

**Decongestion and de-resuscitation  
when, how and why**

*Michael Joannidis*

**Fluids in acute kidney injury: Why less  
may be more**

**HALL A**

**CRRT-Prescription and  
Troubleshooting**

*(chairs: Celine Monard,  
Kianoush Kashani)*

*William Clark*

**Membrane Characteristics and  
Transport Mechanisms in CRRT**

*Kianoush Kashani*

**How do I dose my CRRT?  
(what weight to I use to  
calculate CRRT dose?)**

*Mitra Nadim*

**RRT in patients with Cirrhosis and AKI**

*Max Bell*

**Hypothermia during CRRT  
- is it common? Is it dangerous?**

**10:05-10:20**

**Coffee break**



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**10:20-11:30**

**PLENARY ROOM**

**EBP: Basic concepts and Specific Indications**

*(chairs: Celine Monard, Frank Bidar)*

*Claudio Ronco*

***Flow kinetics in hollow fiber hemodialyzers and sorbent cartridges***

*Thomas Rimmele*

***Hemoadsorption and cell-mediated immunity***

*Vincenzo Cantaluppi*

***Rhabdomyolysis-associated AKI: from pathogenic mechanisms to the therapeutic use of sorbents***

*Gianluca Villa*

***Cytokine removal and organ function changes during EBP: a systematic review and metanalysis***

**HALL A**

**ECOS and Animal Models**

*(chairs: William Clark, Antoine Schneider)*

*Perenlei Enkhbaatar*

***Conscious ovine model of pneumonia and sepsis***

*Zhiyong Peng*

***Fibroblastic reticular cell-derived exosomes are a promising therapeutic approach for septic AKI***

*Danielle Soranno*

***Incorporating Development as a Biological Variable in Experimental Models of AKI***

*Linda Sousse*

***EBP: a mechanistic peak into the devices***



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**PLENARY ROOM**

**11:30-12:40**

**Hemoadsorption in Different Clinical Settings**

*(chairs: Stuart Goldstein, Claudio Ronco)*

*Claudio Ronco*

***The application of hemoadsorption in cancer related complications***

*John Kellum*

***Targeted Rapid Endotoxin Removal (TREA): can we bring precision medicine to sepsis?***

*Antoine Schneider*

***Drug removal in hemoadsorption***

*Shahed Omar*

***Hemoadsorption in poisoning***

**HALL A**

**ECMO: New concepts**

*(chairs: Linda Sousse; Perenlei Enkhbaatar)*

*David Cooper*  
***ECMO and AKI***

*Frank Bidar*

***CRRT on catheter vs circuit in ECMO patients***

*Jeffrey DellaVolpe*

***ECMO for cardiogenic shock: mechanisms and potential targets for extracorporeal blood purification***

*Camillo Pizarro*

***New Paradigm, ECMO in hypoperfusion***

**12:40-13:30**

**Lunch**

**Thursday 24.4.2025.**



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**13:30-14:40**

**PLENARY ROOM**

**Sepsis: Applications  
of different therapies**

*(chairs: Gianluca Villa, John Kellum)*

Claudio Ronco

***Clinical application of sorbents in  
inflammatory syndromes***

Hernando Gomez

***Endotoxin: a bona fide treatable sepsis  
endotype?***

Zsolt Molnar

***The effects of hemoadsorption therapy on  
endothelial function in sepsis***

Didier Payen

***Metabolic control of inflammation: a  
therapeutic target***

**HALL A**

**Plasma Exchange:  
Prescription and Current Evidence**

*(chairs: Manish Kaushik,  
Gabriella Bottari)*

Manish Kaushik

***TPE in critically ill***

Dana Fuhrmann

***TPE in Children: Current Evidence,  
Practical Considerations, and Future  
Directions***

Lionel Rostaing

***Place for Apheresis in the Management  
of glomerular disease***

Olivier Moranne

***What about fluid substitution  
in plasma exchange?***

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**14:40-15:35**

**PLENARY ROOM**

**Lung-Kidney Crosstalk**

*(chairs: Patrick Murray, Michael Joannidis)*

Michael Joannidis

**The kidney in ARDS:  
victim or partner in crime?**

Faeq Husain-Syed

**AKI and renal recovery in ARDS**

Dmytro Khadzhynov

**Standard vs. carbone dioxide adapted  
RRT in hypercapnic ARDS patients**

**HALL A**

**IHD: Basic Concepts and New Approaches**

*(chairs: Lionel Rostaing; Olivier Moranne)*

William Clark

**Mass Transport in High-Flux  
Hemodialysis and Hemodiafiltration**

Mitra Nadim

**Dialysis or not: That is the question**

Ron Wald

**IHD weaning in patients with AKI  
recovering kidney function**



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**15:35-16:20**

**PLENARY ROOM**

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## **Industry Sponsored Sessions**

**16:20-17:15**

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### **Future Trends in ECOS**

***(chairs: Ron Wald; Thomas Rimmele)***

*Ravindra Mehta*

**Clinical Decision Support Systems for ECOS**

*Celine Monard*

**The future of RRT in ICU**

*Kianoush Kashani*

**New-onset A-fib on CRRT patients**

**17:15-18:15**

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**Pro et contra**

***(chairs: Danielle Soranno, Emily See)***

**Danielle Soranno/Max Bell-Sex differences in AKI, yes or no?**

**Rajit Basu/Jeffrey DellaVolpe - TBD**

**Friday 25.4.2025.**



**3. INTERNATIONAL CONFERENCE**  
on Extracorporeal Organ Support  
**23.04. - 26.04. 2025. Dubrovnik**

**08:00-08:50**

**PLENARY ROOM**

**Workshop CRRT**

*(chairs: Ivan Palibrk, Pedja Kovacevic)*

*Ivan Palibrk  
Pedja Kovacevic  
Shahed Omar  
Dmytro Khadzhynov*

**HALL A**

**Workshop ICU2**

*(chairs: Peter Brindley, Jaksa Babel)*

*Peter Brindley  
Amila Jasarevic  
Violeta Knezevic  
Jaksa Babel*

**08:50-10:00**

**AKI and AKD**

*(chairs: Danielle Soranno, John Prowle)*

*Alexander Zarbock  
**Biomarker guided therapy***

*Patrick Murray  
**AKI-CRRT: New Drugs for AKI-  
What's in Clinical Trials Now?***

*Max Bell  
**Postoperative CKD  
- does AKD contribute?***

*Hernando Gomez  
**Persistent severe AKI: a major  
modifiable outcome in critical illness***

**Brain-Kidney Crosstalk**

*(chairs: Vincenzo Cantaluppi,  
Benjamin Koch)*

*Vincenzo Cantaluppi  
**Brain-kidney crosstalk***

*Silvia DeRosa  
**Kidney dysfunction and RRT after acute  
brain injury***

*Peter Brindley  
**Brain and kidney injury: let's not make  
either worse***

*Zdravka Poljakovic  
**The prevalence of CRI in the  
neurological ICU***

**Friday 25.4.2025.**



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**23.04. - 26.04. 2025. Dubrovnik**

**10:00-10:15**

**Coffee break**

**10:15-11:25**

**PLENARY ROOM**

**AKI and biomarkers**

*(chairs: Danielle Soranno, Rajit Basu)*

John Prowle

***Cystatin C for assessment of kidney function and muscle mass before and after critical illness***

Patrick Murray

***Biomarkers: Use of AKI Biomarkers in Clinical Practice and Research***

Rajit Basu

***A Biomarker Array to Define AKI Associated Multi-Organ Dysfunction***

Alexander Zarbock

***AKI biomarkers: future or current -state-of the art?***

**HALL A**

**Extracorporeal Liver Support**

*(chairs: Kianoush Kashani, Dana Fuhrmann)*

Mitra Nadim

***ECLS in Acute Liver Failure***

Akash Deep

***Short and long term effects of AKI in liver disease***

Sascha David

***ECLS in ACLF***

Vedran Premuzic

***Hemoadsorption Therapy for ICU Patients with Acute Liver Dysfunction***



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**PLENARY ROOM**

**11:25-12:10**

***Industry Sponsored Sessions***

**HALL A**

**11:25-12:10**

***Workshop Acute care medicine  
- where do we go from here***

*Peter Brindley*

**12:10-13:00**

***Lunch***

**Friday 25.4.2025.**



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**13:00-14:10**

**PLENARY ROOM**

**ISCCN-The Problem with Predicting the Future**

*(chairs: Vedran Premuzic, Lui Forni)*

Lui Forni

***The ISCCN. Do we need another society?***

Alexander Zarbock

***What may the future hold for RRT?***

Michael Joannidis

***What may the future hold for Haemadsorption techniques***

Lui Forni

***Where will ECOS be in the future?***

**HALL A**

**Specific Indications for Plasma Exchange**

*(chairs: Lionel Rostaing, Dmytro Khadzhynov)*

Manish Kaushik

***Therapeutic Plasma Exchange for the Treatment of Hyperthyroidism***

Ioannis Griveas

***PLEX in pregnancy***

Thomas Rimmele

***Combining plasmapheresis and CRRT within the same circuit. Is it doable?***

Sascha David

***Plasma exchange in septic shock (EXCHANGE-2)***

**Friday 25.4.2025.**



**3. INTERNATIONAL CONFERENCE**  
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**14:10-15:20**

**PLENARY ROOM**

**Heart-Kidney Cross-Talk**

*(chairs: Camillo Pizarro, Emily See)*

Xose Perez

**Timing of CRRT in AKI patients after  
cardiac surgery**

Emily See

**Dialytrauma during renal replacement  
therapy**

Faeq Husain-Syed

**Management of AKI and refractory  
cardiorenal syndrome**

John Kellum

**AKI in Heart Failure and Cirrhosis: should  
the criteria be different?**

**HALL A**

**CRRT: Circuits and Different  
Modalities**

*(chairs: Ron Wald; Max Bell)*

Antoine Schneider

**Regional citrate anticoagulation for  
CRRT, for all patients?**

Marcus Broman

**'CRRT circuit and patient interaction**

Frank Bidar

**Citrate accumulation in ICU**

Ron Wald

**CRRT vs IHD**

**15:20-15:35**

**Coffee break**



**Friday 25.4.2025.**



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**PLENARY ROOM**

**15:35-17:00**

**Emerging Strategies in  
AKI and EBP**

**(chairs: Thomas Rimmele, Ravindra Mehta)**

Gianluca Villa  
***In-silico trial on EBP***

Xose Perez  
***Results from SIRAKI02 RCT***

Hernando Gomez  
***Metformin and other metabolic therapies  
in sepsis associated AKI***

Alexander Zarbock  
***Permissive low-dose CRRT: Ketzerei Study***

John Kellum  
***The Tigris trial: a model for the future or a  
dire warning?***

**17:00-18:00**

**Pro et contra**

**(chairs: Michael Joannidis, Lui Forni)**

Thomas Rimmele / Sascha David  
***Is hemoadsorption clinically appropriate?***

Emily See/Hernando Gomez  
***Vasopressin is more renoprotective than  
angiotensin II***

**Saturday 26.4.2025.**



**3. INTERNATIONAL CONFERENCE**  
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**23.04. - 26.04. 2025. Dubrovnik**

**08:00-09:10**

**PLENARY ROOM**

## **Different Therapeutic Options in Organ Transplantation**

**(chairs: Mitra Nadim, Silvia De Rosa)**

**Igor Nikolov**

***Kidney transplantation: CMV, EBV and  
JC infections and therapeutic options***

**Manish Kaushik**

***Double-Filtration Plasmapheresis in  
Kidney Transplant Recipients***

**Lionel Rostaing**

***Immunoadsorption for recurrence of  
Primary Focal Segmental  
Glomerulosclerosis on Kidney  
Allografts***

**Vincenzo Cantaluppi**

***AKI in renal and non-renal solid organ  
transplantation***

**Saturday 26.4.2025.**



**3. INTERNATIONAL CONFERENCE**  
on Extracorporeal Organ Support  
23.04. - 26.04. 2025. *Dubrovnik*

**09:10-10:20**

**PLENARY ROOM**

## **Specific Indications for EBP**

*(chairs: Didier Payen, Xose Perez)*

Stuart Goldstein

***Extracorporeal immunomodulation in sepsis or sepsis like syndromes - does it really work and how?***

Anna Lorenzin

***Combination of cytokine and endotoxin removal with one single XCA sorbent cartridge***

Stefan Buttner

***The role of immunoabsorption in patients with myocarditis***

Silvia DeRosa

***Advances in Renal Replacement Therapy: The Role of PMMA Membranes in acute critical ill patients***

**10:20-10:35**

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**Coffee break**

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**Saturday 26.4.2025.**



**3. INTERNATIONAL CONFERENCE**  
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**23.04. - 26.04. 2025. Dubrovnik**

**10:35-11:30**

**PLENARY ROOM**

## **Improving Outcomes in PICU**

*(chair: Akash Deep, Danielle Soranno)*

Dana Fuhrmann

***Liberating Children from CRRT:  
Balancing Clinical Judgment with  
Evidence-Based Practice***

Gabriella Bottari

***Hemoadsorption in pediatric critical  
care: current insights and future  
directions***

David Cooper

***ECMO in univentricular physiology -  
Norwood, Glenn and Fontan  
(including eCPR)***

**Saturday 26.4.2025.**



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**23.04. - 26.04. 2025. Dubrovnik**

**11:30-12:40**

**PLENARY ROOM**

## **Shock and Critical Illness**

*(chairs: Faeq Husain-Syed, Emily See)*

Emily See

***Renin as a prognostic and predictive biomarker in shock***

Morten Bestle

***Endotheliopathy in critical illness***

Didier Payen

***Immunostimulation in critically ill***

Silvia DeRosa

***Impact of fluid management on outcomes in sequential extracorporeal support: a prospective cohort study***

**12:40-12:55**

**Coffee break**

**Saturday 26.4.2025.**



**3. INTERNATIONAL CONFERENCE**  
on Extracorporeal Organ Support  
**23.04. - 26.04. 2025. Dubrovnik**

**12:55-14:05**

**PLENARY ROOM**

**Joint Chinese Society of Critical  
Care Medicine/ICEOS Session**

*(chairs: Vedran Premuzic, Thomas  
Rimmele)*

Dechang Chen

***The Current Status of Extracorporeal Life  
Support Therapy in Mainland China***

Changsong Wang

***3-Methylhistidine as a potential Biomarker  
for Sepsis-Associated Acute Kidney Injury***

Jianfeng Xie

***The effect of adsorbing CRRT membranes  
oXiris on outcome in patients with septic  
shock***

Jiao Liu

***The Epidemiology and Therapeutic  
Strategy of Carbapenem resistant  
Enterobacteriaceae***



**Saturday 26.4.2025.**



**3. INTERNATIONAL CONFERENCE**  
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23.04. - 26.04. 2025. *Dubrovnik*

**PLENARY ROOM**

**14:05-14:40**

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**Best Posters - Oral presentations**

*(chairs: Vladimir Krajinovic, Max Bell)*

**14:40-15:00**

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***ECOS Academy - 5 best  
participants - presentation***

**15:00**

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***Closing the conference***



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**23.04. - 26.04. 2025.** *Dubrovnik*