

### Organizers' contacts:

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## Acute Disease Quality Initiative

The **Acute Disease Quality Initiative (ADQI)** was started in response to concerns about the quality of care delivered to patients with Acute Kidney Injury and critical illness based on published data demonstrating that such conditions are associated with an unacceptably high mortality, and there is a wide practice variation in diagnosis and management worldwide. In order to address these issues, ADQI has adopted an evidence-based methodology to develop consensus-based appraisal of current issues and possible recommendations for practice and research. The key goal of the ADQI process is to ultimately provide a base for advancement in the diagnosis and management of critically ill patients. Consequently, we have initiated a series of conferences under the auspices of ADQI, supported by scientific institutions and industry partners.

ADQI aims at establishing an evidence-based appraisal and set of consensus recommendations to standardize care and direct future research. The results of previous consensus conferences are available online at [www.adqi.net](http://www.adqi.net).

### ADQI XXX

#### Adsorption-based Extracorporeal Therapies

The ADQI 30 conference is focused on **Adsorption-based extracorporeal therapies for blood purification and organ support**. Several acute and chronic pathological conditions are determined by “retention molecules” that accumulate because of inadequate kidney or liver clearance. Furthermore, several critical conditions are characterized by the presence in circulating blood of PAMPs and DAMPs derived from bacterial or viral infections, sepsis or other inflammatory syndromes. In such conditions, pharmacological interventions may result insufficient or inadequate to control homeostasis and extracorporeal therapies may be indicated as adjunctive therapy. However, current dialysis or hemofiltration techniques rely on membrane separation processes that present limitations. When classic diffusion- or convection-based techniques are inefficient, other techniques based on adsorption can be utilized. This approach may represent the new frontier in extracorporeal therapies and it will be matter of analysis and discussion in the ADQI 30 Consensus Conference.

*Rinaldo Bellomo & Claudio Ronco*



## Acute Disease Quality Initiative

### ADQI XXX Consensus Conference

on

### Adsorption-based Extracorporeal Therapies

*A process towards developing consensus  
and recommendations for  
adsorption-based extracorporeal  
therapies*

[www.ADQI.net](http://www.ADQI.net)

**June 9<sup>th</sup> - 12<sup>th</sup> 2023**

**Hotel Villa Tacchi**  
**Via Dante 30/a, 35010 Gazzo PD**  
**Phone: 049 942 6111**  
<https://www.villa-tacchi.com>

## CONFERENCE STRUCTURE

The **XXX ADQI conference** will utilize the same format and methodology employed previously: an iterative process of debate and consensus building using modified Delphi principles ([www.adqi.net](http://www.adqi.net)). Recommendations will be evidence-based and consensus driven.

Prior to the conference, participants will be organized into small groups and will systematically gather the evidence in the literature on each topic. Each sub-group will be responsible for defining the specific questions that will be addressed for each topic and presenting key evidence to the group. The 4 groups will prepare their topic ahead of the meeting, and will develop their presentations during the conference and prepare the manuscript immediately after.

### The specific objectives for this conference are:

- ❖ *To develop a series of consensus statements on Adsorption-based Extracorporeal Therapies. Activities include:*
  - Pre-conference literature search (nomenclature will be provided)
  - Identification of key questions and controversies
  - Assessment of current practice and analysis of mechanisms, available technology and potential applications
  - Assessment of available evidence and discussion
  - Definition of techniques, nomenclature, indications and rationale for the use of adsorption therapies
  - Design a research agenda at several levels: conceptual, programmatic & individual study designs
  - Draft summary statements for each topic to be used for Post-conference state-of-the-art manuscript preparation
  
- ❖ *The primary focus of this meeting will be to provide recommendations for clinical practice and future research. Specific topics assigned to groups will include:*
  - **Group 1: Rationale and physicochemical principles**
  - **Group 2: Techniques and modalities of adsorption-based therapies**
  - **Group 3: Indications, prescription and monitoring**
  - **Group 4: End-points: biochemical (molecules), biological (processes), physiological (parameters), clinical (outcomes)**

## PROGRAM

### Friday, June 9

Afternoon: Arrival of delegates and hotel accommodation

- 17:30 Welcome and Introductions (Organizers)  
Methodology and "Ground Rules"
- 18:00 Plenary 1: Group Chairs (20 min/group)  
Updates on pre-conference activities
- 19:30 Dinner

### Saturday, June 10

Breakfast available from 7 am

- 8:00 Breakout Session 1 (Questions)
- 10:00 Coffee break
- 10:30 Plenary 2 (Question definition & controversies)
- 13:00 Lunch
- 13:30 Breakout session 2 (statement drafts)
- 16:00 Plenary 3 (Discuss consensus statements)
- 18:00 Adjourn
- 18:15 Bus departure for social event

### Sunday, June 11

Breakfast available from 7 am

- 8:00 Breakout Session 3 (Figures and tables)
- 10:00 Coffee break
- 10:30 Plenary 4 (Figures and tables for manuscripts)
- 13:00 Lunch
- 13:30 Breakout session 4 (final statements)
- 16:00 Discuss final consensus statements
- 18:00 Adjourn
- 18:15 Bus departure for social event

### Monday, June 12

Breakfast available from 7 am

- 8:00 Plenary 5: Group Chairs Final statements
- 10:00 Closing comments and next steps
- 10:30 Departure to hotels in Vicenza and check-in

## ADQI XXX Faculty and Groups:

### Group 1 Rationale and physicochemical principles

**Chair:** R. Mehta

**Members:** V. Cantaluppi, W. Clark, H. Gomez, A. Lorenzin, E. See, G. Villa, R. Basu

### Group 2 Techniques and modalities of adsorption-based therapies

**Chair:** L. Forni

**Members:** G. Ankawi, I. Baldwin, M. Joannidis, T. Reis, S. Goldstein, T. Rimmelé, A. Schneider, A. Whaley-Connell

### Group 3 Indications, prescription and monitoring

**Chair:** A. Zarbock

**Members:** S. De Rosa, F. Husain-Syed, K. Kashani, P. Murray, J. Prowle, Z. Ricci, V. Premužić

### Group 4 End-points: biochemical (molecules), biological (processes), physiological (parameters), clinical (outcomes).

**Chair:** M. Ostermann

**Members:** S. Bagshaw, D. Fuhrman, R. Murugan, N. Pannu, D. Soranno, M. Rosner

## FACULTY

### Organizers/Chairs

Rinaldo Bellomo (Australia)  
Claudio Ronco (Italy)

### ADQI Council Members

Claudio Ronco (Italy)  
Rinaldo Bellomo (Australia)  
Ravindra Mehta (USA)  
Marlies Ostermann (UK)  
Lui Forni (UK)  
Alexander Zarbock (Germany)

### Preliminary Faculty List

Ankawi Ghada (Saudi Arabia)  
Bagshaw Sean (Canada)  
Baldwin Ian (Australia)  
Basu Rajit (USA)  
Cantaluppi Vincenzo (Italy)  
Clark William (USA)  
De Rosa Silvia (Italy)  
Forni Lui G. (UK)  
Fuhrman Dana (USA)  
Goldstein Stuart (USA)  
Gomez Hernando (USA)  
Husain-Syed Faeq (Germany)  
Joannidis Michael (Austria)  
Kashani Kianoush (USA)  
Lorenzin Anna (Italy)  
Mehta Ravindra (USA)  
Murray Patrick (Ireland)  
Murugan Raghavan (USA)  
Ostermann Marlies (UK)  
Pannu Neesh (Canada)  
Premužić Vedran (Croatia)  
Prowle John (UK)  
Reis Thiago (Brazil)  
Ricci Zaccaria (Italy)  
Rimmelé Thomas (France)  
Rosner Mitchell (USA)  
Schneider Antoine (Switzerland)  
See Emily (Australia)  
Soranno Danielle (USA)  
Villa Gianluca (Italy)  
Whaley-Connell Adam (USA)  
Zarbock Alexander (Germany)