



International Bilingual Course
Hemodynamic Monitoring and Tissue Perfusion

Departamento de Medicina Intensiva
Escuela de Medicina
Pontificia Universidad Católica de Chile

Version VI (online), November 19-21, 2025

Organizing Committee

Glenn Hernández (Santiago, Chile)
Eduardo Kattan (Santiago, Chile)
Paulo Melo (Santiago, Chile)
Ricardo Castro (Santiago, Chile)
Sebastián Morales (Santiago, Chile)

Workshop Structure

Introduction by the Chair (5 mins)
Three lectures of 15 mins each one (45 min)
Open discussion (Roundtable style) for 40 minutes
Total: 90 minutes

PRELIMINARY PROGRAMME

WEDNESDAY NOV 19th

8.00-8.15 **Opening**

Eduardo Kattan and Glenn Hernández

8.15-9.00 **Max Harry Weil Conference 2025**

Marlies Ostermann (London, UK)

Acute kidney injury in septic shock

9.00-10.30 **Workshop: Hot Topics in Critical Care Nephrology**

Chair: Eduardo Argaz (Mexico DF, Mexico)

William Beaubien-Souligny (Montreal, Canada)

Hernando Gómez (Pittsburgh, USA)

Eric Roessler (Santiago, Chile)

Philippe Guerci (Nancy, France)

Eduardo Argaz (5 min)

Introduction

Hernando Gomez (15 min)

Biomarkers and phenotypes in AKI

Eduardo Argaz (15 min)

Venous congestion and AKI

William Beaubien-Souligny (15 min)

Renal replacement therapy for AKI: When? How much? When to stop?

Additional Topics for Discussion (40 min)

Is the concept of nephroprotection meaningful?

Do vasopressors or mean arterial pressure matter?

Furosemide stress test or ultrafiltration?

Tailoring ultrafiltration during de-escalation: one size fits all?

10.30-10.50 **Key Aspects of the Session**

Eduardo Kattan and Paulo Melo

10.50-11.10 **Break**

11.10-11.55 **Masterclass**

Michelle Chew (Linköping, Sweden)

How can critical care echocardiography help in monitoring and treating patients in septic shock? The key issues.

11.55-13.25 **Hot Topics: Septic Cardiomyopathy: All you need to know**

Moderators: Olfa Hamzaoui (Reims, France) and Michelle Chew (Linköping, Sweden)

Mervyn Singer (London, UK)

Filippo Sanfilippo (Catania, Italy)

Mervyn Singer (15 min)

Understanding the Myocardial Response to Sepsis: A Complex Interplay.

Filippo Sanfillipo (15 min)

Clinical Phenotypes and Diagnostic Tools

Olfa Hamzaoui (15 min)

When and how to treat?

Open Discussion (40 minutes)

13.25- 13.45 **Key Aspects of the Session**

Eduardo Kattan and Paulo Melo

PRELIMINARY PROGRAMME

THURSDAY NOV 20th

8.00-8.15 **Opening**

Ricardo Castro and Eduardo Kattan

8.15-9.00 **Masterclass**

Jean-Louis Teboul (Paris, France)
Fluid responsiveness 25 years later

9.00-10.30 **Workshop: Hot Topics in Fluid Resuscitation**

Chair: Eduardo Kattan (Santiago, Chile)
Ross Prager (London-Ontario, Canada)
Phillip Rola (Montreal, Canada)
John Basmaji (London-Ontario, Canada)
Katia Donadello (Verona, Italy)

Eduardo Kattan (5 min)

Introduction

Phillip Rola (15 min)

From fluid responsiveness to fluid tolerance

Ross Prager (15 min)

Advances in venous congestion assessment

John Basmaji (15 min)

Highlights from the ANDROMEDA-VExUS study

Additional Topics for Discussion (40 min)

Risk factors for fluid intolerance

Does the rate or type of fluid administration matter?

The four interface model

The fluid-responsive but congested septic shock patient

10.30-10.50 **Key Aspects of the Session**

Ricardo Castro and Sebastian Morales

10.50-11.10 **Break**

11.10-11.55 **Masterclass**

Antonio Messina (Milano, Italy)

Fluid resuscitation in septic shock: What have we learned in the last decade?

11.55-13.25 Workshop: The Complexity of Perfusion Assessment

Chair: Jan Bakker (Santiago, Chile)

Gustavo Ospina-Tascón (Cali, Colombia)

Hafid Ait-Oufella (Paris, France)

Glenn Hernández (Santiago, Chile)

Zbigniew Putowski (Krakow, Poland)

Jan Bakker (5 min)

Introduction

Glenn Hernández (15 min)

The concept of macro-to-microcirculatory coupling

Hafid Ait-Oufella (15 min)

Capillary refill time is flow

Gustavo Ospina-Tascón (15 min)

Capillary refill time is microvascular reactivity

Additional Topics for Discussion (40 min)

Any place for sublingual microcirculation assessment?

Where to place central venous O₂ saturation and venous-arterial pCO₂ gradients?

How to implement a multimodal perfusion assessment

Any hope for the operating room?

13.25- 13.45 Key Aspects of the Session
--

Ricardo Castro and Sebastian Morales

PRELIMINARY PROGRAMME

FRIDAY NOV 21st

8.00-8.15 **Opening**

Glenn Hernandez and Eduardo Kattan

8.15-9.00 **Masterclass**

Daniel de Backer (Brussels, Belgium)

Personalizing septic shock resuscitation

9.00-10.30 **Workshop: How to fine-tune vasopressors in septic shock?**

Chair: Gustavo Ospina Tascón (Cali, Colombia)

Miguel Ibarra-Estrada (Guadalajara, Mexico)

Raquel García-Alvarez (Madrid, Spain)

César Aldecoa (Valladolid, Spain)

Pedro Wendel-García (Vienna, Austria)

Gustavo Ospina-Tascón (5 min)

Introduction

Gustavo Ospina-Tascón (15 min)

Early norepinephrine: yes, but how early?

Raquel García-Alvarez (15 min)

Lights and shadows of vasopressin

Miguel Ibarra-Estrada (15 min)

Should we go for early multimodal vasopressor therapy?

Additional Topics for Discussion (40 min)

Which is the real tissue perfusion pressure?

MAP goal: RCTs vs just a MAP challenge?

Biomarkers to select the right vasopressor?

Rescue strategies with vasopressors

10.30-10.50 **Key Aspects of the Session**

Glenn Hernández and Sebastian Morales

10.50-11.10 **Break**

11.10-11.55 **Masterclass**

Francesco Corradi (Pisa, Italy)

"The Doppler combined assessment of splanchnic perfusion and congestion in cardiogenic shock: a physiological approach".

11.55-13.25 **Roundtable: Dissecting the ANDROMEDA-SHOCK-2 Trial**

Chair: Glenn Hernandez (Santiago, Chile)

Eduardo Kattan (Santiago, Chile)

Gustavo Ospina-Tascón (Cali, Colombia)

Jan Bakker (Santiago, Chile)

Fernando Ramasco (Madrid, Spain)

Alexandre Biasi-Cavalcanti (Sao Paulo, Brazil)

13.25- 13.45 **Closing Remarks**

Eduardo Kattan and Glenn Hernández