# Update on Monitoring in the Acutely Ill Patient – An Integrated Approach
## Rome, December 10-13, 2017

## Sunday, December 10, 2017 (18:00 – 19:45)

*Registration*

**Welcome to Rome**
M Ranieri (Rome, Italy)

**What are the issue?**
J-L Vincent (Brussels, Belgium)

**Predicting deterioration is the future**
A Taenzer (Lebanon, USA)

**Wearables & digital innovations for enhanced recovery programs**
F Michard (Lausanne, Switzerland)

**Discussion: Questions to be addressed during the meeting**

*End*

## Session 1: Update on monitoring

**Still a place for ICP monitoring?**
M Oddo (Lausanne, Switzerland)

**Multimodal brain monitoring**
B Matta (Cambridge, UK)

**How important is cardiac output assessment?**
MR Pinsky (Pittsburgh, USA)

*Discussion*

**How to assess fluid responsiveness**
F Michard (Lausanne, Switzerland)

**Still a place for the PA catheter?**
J Creteur (Brussels, Belgium)

**Gas exchange, metabolic rate and cardiac output interactions**
J Takala (Bern, Switzerland)

**Respiratory mechanics: what is important?**
M Ranieri (Rome, Italy)

*Discussion*

*Break*

**How to monitor the kidney: only urine output and creatinine?**
C Ronco (Vicenza, Italy

**How to evaluate cell happiness**
J Creteur (Brussels, Belgium)

*Discussion*


## Round Table: Which variables are important and which ones are not?

**All the faculty**

*Lunch*

# Monday, December 11, 2017 (13:45 – 17:00)

## Session 2: Interorgan crosstalk

**How to optimize brain oxygenation**
M Oddo (Lausanne, Switzerland) & B Matta (Cambridge, UK)

**Heart-lung interactions**
MR Pinsky (Pittsburgh, USA)

**Hemodynamic management of acute respiratory failure**
J Creteur (Brussels, Belgium)

**Multiple organ support**
C Ronco (Vicenza, Italy)

*Discussion*

*Break*

## Session 3: Current problems

**What is normality?**
A Taenzer (Lebanon, USA)

**There are too many alarms**
J Takala (Bern, Switzerland)

*Discussion*

*End of the day*

## Tuesday, December 12, 2017 (8:30 – 12:30)

### Session4: Monitoring on the regular floor

**Continuous monitoring to prevent catastrophes**
JL Vincent (Brussels, Belgium)

**We could better predict catastrophes**
MR Pinsky (Pittsburgh, USA)

**Decreasing adverse events in general care areas**
A Taenzer (Lebanon, USA)

*Discussion*

*Break*

### Session 5 Invasive vs. Non-invasive techniques

**Brain**
M Oddo (Lausanne, Switzerland)

**Cardiovascular**
J Takala (Bern, Switzerland)

*Discussion*

**Round Table**
All the faculty

*Lunch*

## Session 6: The future of monitoring

**Better assessment of GFR and RFR**
C Ronco (Vicenza, Italy)

**Better integration of the various signals**
J Takala (Bern, Switzerland)

**Improving automated monitoring systems**
A Taenzer (Lebanon, USA)

*Discussion*

**Shall we use smartphones & e-tablets, and what for?**
F Michard (Lausanne, Switzerland)

**Advanced analytics and fused parameters**
MR Pinsky (Pittsburgh, USA)

*Discussion*

*Break*

## Session 7: How the industry sees the future

All the platinum & gold sponsors

**End of the day**

## What are the needs – interactive discussion

**Case 1 – Cardiovascular**
*Introduction: J Talala (Bern, Switzerland)*
J Creteur (Brussels, Belgium), MR Pinsky (Pittsburgh, USA), F Michard
(Lausanne, Switzerland)

**Case 2 – Respiratory** -
*Introduction: M Ranieri (Rome, Italy)*
J Takala (Bern, Switzerland), MR Pinsky (Pittsburgh, USA)

**Case 3 – Neurological**
*Introduction: M Oddo (Lausanne, Switzerland)*
F Michard (Lausanne, Switzerland), J Creteur (Brussels, Belgium)

**Case 4 – Integrated monitoring systems in the future**
*Introduction: J Creteur (Brussels, Belgium)*
A Taenzer (Lebanon, USA), C Ronco (Vicenza, Italy)

**General discussion**

## End of the meeting