Treatment of the Acutely Decompensating Patient:

Best Practices for Mechanical Ventilation

Day 1

Morning Plenary – Hot Topics in Acute Respiratory Failure

1. "Ultra-protective" mechanical ventilation in ARDS Laurent Brochard
2. Determining "best PEEP" in ARDS
   Marc Moss
3. The patient is getting better: when should you end strict protective ventilation
4. Francisco Arancibia (Chile-ALAT)
5. Pro-con: avoiding harm: control the plateaus pressure vs control the driving pressure
   Marcelo Amato, Eduardo Costa
6. Challenging Cases → managing the patient with refractory hypoxemia, extremely low compliance, etc.
   Carlos Carvalho

Afternoon Track #1 –Monitoring and More

1. Transpulmonary pressure and pleural pressure
   Laurent Brochard
2. Monitoring the diaphragm in the ICU
   Pedro Caruso
3. The role of point of care ultrasound for the ventilated patient
   José Luis Sandoval (México-ALAT)
4. Less invasive hemodynamic monitoring
   Eduardo Costa
5. Challenging Cases → Monitoring the septic patient with ARDS
   Todd Rice

Afternoon Track #2 – Mechanical Ventilation – Thinking outside the box

1. Should we go to ECMO early?
2. Fabio Varon (Colombia-ALAT)Recruitment maneuvers – where are we after the ART trial?
   Marcelo Amato
3. Cases of severe hypercapnia – the role of ECCR2
   Thiago Romano, Marcelo Park
4. Simulation lab: new modes of ventilation: APRV
   Juliana Ferreira, Marcelo Alcântara, Adriana Hirota, Caio Morais

5. Simulation lab: new modes of ventilation: PAV+
   Juliana Ferreira, Marcelo Alcântara, Adriana Hirota, Caio Morais

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Day 2

Morning Plenary

1. Case-based → interpreting ventilator waveforms
2. Bob KacmarekCase based → strategies to achieve patient-ventilator synchrony
   Marc Moss (and maybe BTS folks?)
3. When should I consider NAVA or PAV+?
   Francisco Arancibia (Chile-ALAT)
4. The emerging evidence for high flow nasal cannula
   Trish Kritek
5. NPPV – who, when and how?
   Marcelo Beraldo

Afternoon Track #1 – Assessing the patient in shock and receiving mechanical ventilation

1. Assessing volume responsiveness in mechanical ventilated patients
2. Arturo Briva (Uruguay-ALAT)Diagnosing and treating sepsis in the ventilated patient. Do the new definitions apply?
   Luciano Azevedo
3. Case based → vasopressor vs volume for the ventilated patient. If volume, which one?
   Trish Kritek & Todd Rice
4. Live Lab – trouble shooting the ventilator
   Lab team
5. Live Lab – trouble shooting the ventilator
   Lab team

Afternoon Track #2 – Complications of mechanical ventilation

1. Diagnosing, preventing and treating muscle weakness
   Marc Moss
2. Preventing and treating VAP
   Trish Kritek
3. Case based → why can't this patient be liberated from the ventilator
   Carmen Barbas

4. Live Lab – trouble shooting the ventilator
   Lab team
5. Live Lab – trouble shooting the ventilator
   Lab team

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Day #3:

Morning Plenary:

How to Liberate the Patient from Mechanical Ventilation

1. Strategies for early liberation from the ventilator
   Rodrigo Cornejo (Chile-ALAT)
2. When to extubate directly to NIV/high flow/NPPV
   Carmen Barbas
3. What are the best ways to monitor a patient and facilitate liberation
   Carlos Toufen
4. Approach to liberating the agitated patient

   Todd Rice

5. The future of liberation strategies – What's Next? Bob Kacmarek

<u>Tallies</u>

BTS Total – 11 talks + 2 Sim Lab sessions and 2 Live Lab sessions

ATS Total – 12 talks

ALAT Total – 6 talks

ATS Totals

Brochard - 3

Kacmarek – 2

Kritek – 3

Moss – 3

Rice – 3

*one combined Kritek/Rice and one possible Moss + BTS speaker