

Update on Acute Respiratory Failure

Rome, December 11-14, 2016

Sunday, December 11, 2016

18:00	Registration
18:20	Welcome to Rome M Antonelli (Rome, Italy)
18:25	Welcome to the meeting J-L Vincent (Brussels, Belgium)
18:30	What is acute respiratory failure? A Pesenti (Milan, Italy)
18:50	A brief history of mechanical ventilation J-L Vincent (Brussels, Belgium)
19:10	A brief history of ECMO L Gattinoni (Göttingen, Germany)
19:30	Discussion: Questions to be addressed during the meeting
19:45	Reception

Monday, December 12, 2016

Session 1: VILI

08:30	The concept M Ranieri (Rome, Italy)
08:45	Mechanical power is essential L Gattinoni (Göttingen, Germany)
09:00	Driving pressure is the key mediator M Amato (São Paulo, Brazil)
09:15	Discussion

Session 2: How much oxygen

09:30	Is oxygen so toxic? A Pesenti (Milan, Italy)
09:45	Monitoring oxygen reserve index: a new paradigm A Perel (Tel Aviv, Israel)
10:00	Discussion
10:15	Break

Session 3: Non invasive vs invasive support

10:35	High flow oxygen therapy: CPAP and NIV - advantages and limitations M Antonelli (Rome, Italy)
10:50	When to start invasive ventilation? J Belda (Valencia, Spain)
11:05	Discussion

Session 4: The risks of assisted modes

11:20	Patient-ventilator asynchrony – how to recognize and how to fix it N Ferguson (Toronto, Canada)
11:35	Spontaneous breathing can be harmful RC Freebairn (Hastings, New Zealand)
11:50	Lung injury during spontaneous ventilation M Amato (São Paulo, Brazil)
12:05	When and why I select pressure control or volume predetermined ventilation

	A Pesenti (Milan, Italy)
12:20	Discussion
12:40	Lunch

Session 5: Recruitability

13:45	How to understand it RC Freebairn (Hastings, New Zealand)
14:00	All we need is SpO₂ J Belda (Valencia, Spain)
14:15	Safety, physiology and clinical benefits M Amato (São Paulo, Brazil)
14:30	Still a place for HFO? N Ferguson (Toronto, Canada)
14:45	Discussion
15:00	Break

Session 6: How I select the right PEEP

15:15	Based on physiological response N Ferguson (Toronto, Canada)
15:30	Based on P/V loops RC Freebairn (Hastings, New Zealand)
15:45	Based on driving pressure M Amato (São Paulo, Brazil)
16:00	Based on simple rules L Gattinoni (Göttingen, Germany)
16:15	Discussion

Pro-con: do we need ARDS?

16:30	Probably yes N Ferguson (Toronto, Canada)
	Maybe not J-L Vincent (Brussels, Belgium)
17:00	End of the day

Tuesday, December 13, 2016

Session 7: ECMO

08:30	How it works N Ferguson (Toronto, Canada)
08:45	Predicting success L Gattinoni (Göttingen, Germany)
09:00	All you need to know about cannulation A Combes (Paris, France)
09:15	Optimal anticoagulation – when to transfuse D Brodie (New York, USA)
09:30	Discussion
09:45	How to set up the respirator N Ferguson (Toronto, Canada)
10:00	What to do when hypoxemia persists A Combes (Paris, France)
10:15	How to adapt the drug doses D Brodie (New York, USA)
10:30	Discussion
10:45	Break

Session 8: ECCO₂ removal

11:05	Fundamental differences with ECMO A Pesenti (Milan, Italy)
11:20	Its place in COPD D Brodie (New York, USA)
11:35	Its place in ARDS M Ranieri (Rome, Italy)
11:50	Can we achieve very lung-protective ventilation? D Brodie (New York, USA)
12:05	My concluding thoughts A Perel (Tel Aviv, Israel) & J Belda (Valencia, Spain)
12:20	Discussion
12:40	Lunch

Plenary lecture

13:45	Assessing regional lung strain and perfusion at the bedside: the future is now M Amato (São Paulo, Brazil)
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Session 9: Prone positioning

14:00	For all patients with severe ARDS? L Gattinoni (Göttingen, Germany)
14:20	Also during ECMO? D Brodie (New York, USA)
14:40	Discussion

Session 10: Hemodynamic assessment

14:55	Optimal fluid therapy A Perel (Tel Aviv, Israel)
15:15	RV dysfunction during ECMO: do you need VA or is VV enough? D Brodie (New York, USA)
15:35	Discussion
15:50	Break

Session 11: Clinical trials in ARDS

Moderator: J Belda (Valencia, Spain)

16:10	What are the positive trials? J-L Vincent (Brussels, Belgium)
16:30	What progress have we made? N Ferguson (Toronto, Canada)
16:50	Discussion
17:00	End of the day

Wednesday, December 14, 2016

Round table:

Moderator: RC Freebairn (Hastings, New Zealand)

08:30	ECMO: Bridge to what? A Combes (Paris, France), D Brodie (New York, USA), L Gattinoni (Göttingen, Germany), A Pesenti (Milan, Italy)
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Plenary lecture:

09:15	The future of ECMO D Brodie (New York, USA)
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Let's put it together: Some challenging cases

09:45	Case 1 - How esophageal pressures may help <i>Moderator: A Pesenti (Milan, Italy)</i> M Amato (São Paulo, Brazil), M Ranieri (Rome, Italy), N Ferguson (Toronto, Canada), ...
10:15	Case 2 - difficult respiratory conditions <i>Moderator: J-L Vincent (Brussels, Belgium)</i> N Ferguson (Toronto, Canada), RC Freebairn (Hastings, New Zealand), M Amato (São Paulo, Brazil), ...
10:45	Case 3 - severe isolated respiratory failure (flu-induced) <i>Moderator: A Combes (Paris, France)</i> M Ranieri (Rome, Italy), L Gattinoni (Göttingen, Germany), D Brodie (New York, USA), ...
11:15	General discussion - take home messages

End of the meeting