



## Mechanical Ventilation

October 16-19, 2024

Program Schedule

\*All times listed PACIFIC time zone.

### Wednesday, October 16, 2024

6:15 a.m.	Registration and Continental Breakfast	
7:15 a.m.	Welcome, Announcements, and Conference Overview <i>Gustavo A. Cortes Puentes, M.D.</i>	
7:30 a.m.	High-Yield Respiratory Physiology in Mechanical Ventilation <i>Gustavo A. Cortes Puentes, M.D.</i>	
8:00 a.m.	Essential Modes of Mechanical Ventilation <i>William M. LeTourneau, II, R.R.T., L.R.T.</i>	
8:30 a.m.	Basic Mechanical Ventilation Strategies <i>Richard A. Oeckler, M.D., Ph.D.</i>	
9:00 a.m.	Mechanical Ventilation in the Operating Room <i>Bhargavi Galj, M.D., M.H.A.</i>	
9:30 a.m.	Break and Exhibits	
10:00 a.m.	<b>Interactive Session</b> "Catch the Wave" Waveform Analysis and Patient-Ventilator Dyssynchrony <i>William M. LeTourneau, II, R.R.T., L.R.T.; James E. Baker, R.R.T., L.R.T.; Tanner J. Hill, R.R.T., L.R.T.</i>	
11:00 a.m.	<b>Transition to Breakouts</b>	
	<b>Grand Coastal Room</b>	<b>Breakwater Room</b>
11:10 a.m.	Transitioning Respiratory Care from the Emergency Department to the ICU <i>William Clark, R.R.T., L.R.T.; Christine M. Kelm, R.R.T., L.R.T.</i>	A Systematic Approach to Refractory Hypoxemia – The Mayo Model <i>Richard A. Oeckler, M.D., Ph.D. Gustavo A. Cortes Puentes, M.D.</i>
11:55 a.m.	Speaker Transition	
12:00 p.m.	A Systematic Approach to Refractory Hypoxemia – The Mayo Model <i>Richard A. Oeckler, M.D., Ph.D. Gustavo A. Cortes Puentes, M.D.</i>	Transitioning Respiratory Care from the Emergency Department to the ICU <i>William Clark, R.R.T., L.R.T.; Christine M. Kelm, R.R.T., L.R.T.</i>
12:45 p.m.	<b>Transition to General Session Room</b>	
12:50 p.m.	<b>Panel Discussion and Q&amp;A</b> Does the Mode Make a Difference? (All) Moderator: <i>Richard A. Oeckler, M.D., Ph.D.</i>	
1:20 p.m.	Adjourn	

**Thursday, October 17, 2024**

6:30 a.m.	Continental Breakfast	
7:30 a.m.	New Global Definition of ARDS: Impact on Research and Clinical Practice <i>Laurent J. Brochard, M.D.</i>	
8:00 a.m.	Cardiopulmonary Interactions – Principles for Lung <u>AND</u> Heart Protective Mechanical Ventilation <i>John J. Marini, M.D.</i>	
8:30 a.m.	How to Individualize Mechanical Ventilation in ARDS? <i>Patricia Rocco, M.D., Ph.D.</i>	
9:00 a.m.	When To Use and When Not to Use the Word ‘ARDS’ <i>Jean-Louis Vincent, M.D., Ph.D.</i>	
9:30 a.m.	Break and Exhibits	
10:00 a.m.	<b>Interactive Session</b> Monitoring Diaphragmatic Activity and Respiratory Efforts – A Case-Based Discussion <i>Laurent J. Brochard, M.D.</i>	
11:00 a.m.	<b>Transition to Breakouts</b>	
	<b>Breakout Sessions</b>	
	<b>Grand Coastal Room</b>	<b>Breakwater Room</b>
11:10 a.m.	Controlled Vs. Spontaneous Ventilation in ARDS: When and How? – A Case-Based Discussion <i>Francesca Collino, M.D.</i>	Monitoring of Pulmonary Mechanics During Invasive and Noninvasive Ventilatory Support – A Case-Based Discussion <i>Giacomo Bellani, M.D.</i>
11:55 a.m.	Speaker Transition	
12:00 p.m.	Monitoring of Pulmonary Mechanics During Invasive and Noninvasive Ventilatory Support – A Case-Based Discussion <i>Giacomo Bellani, M.D.</i>	Controlled Vs. Spontaneous Ventilation in ARDS: When and How? – A Case-Based Discussion <i>Francesca Collino, M.D.</i>
12:45 p.m.	<b>Transition to General Session Room</b>	
12:50 p.m.	<b>Panel Discussion and Q&amp;A</b> New ARDS Criteria and Updated ARDS Management Guidelines: Is There Really Any Progress? (All) Moderator: <i>Patricia Rocco, M.D., Ph.D.</i>	
1:20 p.m.	Adjourn	
1:20 p.m.	Networking Lunch Conference Attendees and Faculty	

**Friday, October 18, 2024**

6:30 a.m.	Continental Breakfast	
7:30 a.m.	How Do I Assess Lung Recruitment and Titrate PEEP? <i>Laurent J. Brochard, M.D.</i>	
8:00 a.m.	Mechanical Power: Meaning, Uses and Limitations <i>Francesca Collino, M.D.</i>	
8:30 a.m.	Liberation from Mechanical Ventilation: What's Evidence-Based? And How Do I Do It? <i>Giacomo Bellani, M.D.</i>	
9:00 a.m.	HFNC and NIV in Respiratory Failure: Optimizing Therapy AND Identifying Failure <i>Bernardo J. Selim, M.D.</i>	
9:30 a.m.	Break and Exhibits	
10:00 a.m.	<b>Interactive Session</b> An Update on The Management of ARDS: What is Really Evidence-Based? A Case-Based Discussion <i>Jean-Louis Vincent, M.D., Ph.D.</i>	
11:00 a.m.	<b>Transition to Breakouts</b>	
	<b>Breakout Sessions</b>	
	<b>Grand Coastal Room</b>	<b>Breakwater Room</b>
11:10 a.m.	Long-Term Mechanical Ventilation – A Case-Based Discussion <i>Peter Gay, M.D.</i>	Mechanical Ventilation and Lung Transplantation: From Ex Vivo Lung Perfusion (EVLP) To Perioperative Ventilatory Management <i>Jorge M. Mallea, M.D.</i>
11:55 a.m.	Speaker Transition	
12:00 p.m.	Mechanical Ventilation and Lung Transplantation: From Ex Vivo Lung Perfusion (EVLP) To Perioperative Ventilatory Management <i>Jorge M. Mallea, M.D.</i>	Long-Term Mechanical Ventilation – A Case-Based Discussion <i>Peter Gay, M.D.</i>
12:45 p.m.	<b>Transition to General Session Room</b>	
12:50 p.m.	<b>Panel Discussion and Q&amp;A</b> ARDS Guidelines May Prevent Disasters, But Do They Promote Personalization and Excellence in Respiratory Care? (All) Moderator: <i>Faculty</i>	
1:20 p.m.	Adjourn	

**Saturday, October 19, 2024**

6:30 a.m.	Continental Breakfast	
7:30 a.m.	Is 'Permissive Hypoxemia' a Good Idea? <i>Jean-Louis Vincent, M.D., Ph.D.</i>	
8:00 a.m.	Cardiopulmonary Interactions in Patients with Complex Congenital Heart Disease <i>Crystal R. Bonnicksen, M.D.</i>	
8:30 a.m.	Practical Approach to Mechanical Ventilation During ECMO <i>Eddy Fan, M.D., Ph.D.</i>	
9:00 a.m.	What Have We Learned from Animal Models of VILI? And What Are the Next Research Questions? <i>Patricia Rocco, M.D., Ph.D.</i>	
9:30 a.m.	Break and Exhibits	
	<b>Breakout Sessions</b>	
	<b>Grand Coastal Room</b>	<b>Breakwater Room</b>
10:00 a.m.	<i>Pro and Con Debate: Is the Concept of Mechanical Power Ready for Clinical Implementation?</i> <i>Patricia Rocco, M.D., Ph.D.; and Francesca Collino, M.D.</i>	Extracorporeal Carbon Dioxide Removal (ECCO2R) in ARDS – A Case-Based Discussion <i>Eddy Fan, M.D. Ph.D.</i>
10:45 a.m.	Speaker Transition	
10:50 a.m.	Extracorporeal Carbon Dioxide Removal (ECCO2R) in ARDS – A Case-Based Discussion <i>Eddy Fan, M.D. Ph.D.</i>	<i>Pro and Con Debate: Is the Concept of Mechanical Power Ready for Clinical Implementation?</i> <i>Patricia Rocco, M.D., Ph.D.; and Francesca Collino, M.D.</i>
11:35 a.m.	<b>Panel Discussion and Q&amp;A</b> Round Table, Open Mic (All) Moderator: <i>Gustavo A. Cortes Puentes, M.D.</i>	
12:05 p.m.	Adjourn	