



Mechanical Ventilation

October 7-10, 2025
Program Schedule

*All times listed PACIFIC time zone.

Tuesday, October 7, 2025	
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.	Essential Respiratory Physiology for Optimizing Mechanical Ventilation <i>Gustavo A. Cortes Puentes, M.D.</i>
8:00 a.m.	Beyond Oxygen: Unraveling the Benefits of High-Flow Nasal Cannula in Respiratory Failure <i>Bernardo J. Selim, M.D.</i>
8:30 a.m.	How Do I Use Ultrasound to Diagnose ARDS? Applying the New Global Definition in Clinical Practice <i>Harish A. Kinni, M.D.</i>
9:00 a.m.	Advanced Mechanical Ventilation Strategies for Complex Surgical Cases <i>Bhargavi Gali, M.D., M.H.A.</i>
9:30 a.m.	Break and Exhibits
10:00 a.m.	Interactive Session Mastering Waveform Analysis for 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.	Break and Exhibits
11:15 a.m.	Respiratory Effort: Are We Assessing and Managing Patients Correctly? A Clinical Tutorial <i>Luigi Camporota, M.D.</i>
12:00 p.m.	The Mayo Model: A Systematic Approach to Refractory Hypoxemia <i>Standard Protocols - Richard A. Oeckler, M.D., Ph.D. (20 min)</i> <i>Future Directions - Gustavo A. Cortes Puentes, M.D. (20 min)</i>
12:45 p.m.	Panel Discussion and Q&A Mechanical Ventilation: Are We Leading the Strategy or Just Following the Machine? All Speakers Moderator: <i>Richard A. Oeckler, M.D., Ph.D.</i>
1:15 p.m.	Adjourn

Wednesday, October 8, 2025

6:30 a.m.	Continental Breakfast
7:30 a.m.	Pressure Support Ventilation: How It Works and How to Spot When It Doesn't <i>Laurent J. Brochard, M.D.</i>
8:00 a.m.	Bedside Monitoring of the Severity and Progression of Acute Lung Damage <i>John J. Marini, M.D.</i>
8:30 a.m.	Using Physiology to Personalize Mechanical Ventilation in ARDS <i>Patricia Rocco, M.D., Ph.D.</i>
9:00 a.m.	Will AI Replace ICU Specialists in Ventilator Management? <i>Jean-Louis Vincent, M.D., Ph.D.</i>
9:30 a.m.	Break and Exhibits
10:00 a.m.	Interactive Session Patient-Ventilator Asynchronies: What Are They Revealing About Your Patient? – A Case-Based Discussion <i>Laurent J. Brochard, M.D.</i>
11:00 a.m.	Break and Exhibits
11:15 a.m.	Dyspnea in Mechanically Ventilated Patients with Respiratory Failure: A Clinical Tutorial <i>Luigi Camporota, M.D.</i>
12:00 p.m.	Controlled Vs. Spontaneous Ventilation in ARDS: When and How? – A Case-Based Discussion <i>Francesca Collino, M.D.</i>
12:45 p.m.	Panel Discussion and Q&A Rethinking Mechanical Ventilation: Precision, Physiology, and the Future of ICU Care (All Speakers) Moderator: <i>Patricia Rocco, M.D., Ph.D.</i>
1:15 p.m.	Adjourn
1:20 p.m.	Networking Lunch— All Conference Attendees and Faculty
Comprehensive Intensive Tutorial: Mayo Clinic Mechanical Ventilation Certification Program (Optional, In-Person Only, Pre-Registration Required)	
2:30 p.m.	Essential Modes of Mechanical Ventilation <i>William M. LeTourneau, II, R.R.T., L.R.T.; Josh K. Ralston, L.R.T., RRT-NPS</i>
3:00 p.m.	Basic Mechanical Ventilation Strategies <i>Richard A. Oeckler, M.D., Ph.D.; Madison L. Hahn, L.R.T., RRT-ACCS</i>
3:30 p.m.	Break and Exhibits
3:45 p.m.	Non-Invasive Mechanical Ventilation in the Management of Hypercapnic Respiratory Failure <i>Peter Gay, M.D.; Allison R. Timm, R.R.T., L.R.T.</i>
4:15 p.m.	Prone Positioning – When, Why and How? <i>Jennifer L. Elmer, APRN, CNS, D.N.P.; Kristine M. Johnson, R.R.T., L.R.T.; MaKenzie L. Johnson, R.R.T., L.R.T.; Courtney L. Stellpflug, APRN, CNS, M.S.</i>
4:45 p.m.	Taking Ownership of Invasive and Noninvasive Ventilation Devices – How to Manage and Troubleshoot <i>Adam R. Skow, R.R.T., L.R.T.; Hailey M. Hilzendeger, R.R.T., L.R.T.</i>
5:15 p.m.	Adjourn

Thursday, October 9, 2025

6:30 a.m.	Continental Breakfast
7:30 a.m.	Hypercapnia Uncovered: A Practical Approach Through Physiology <i>Kannan Ramar, M.D., M.B.A.</i>
8:00 a.m.	Mechanical Power, 4DPRR Index, and Driving Pressure: Is One Better Than the Others? <i>Francesca Collino, M.D.</i>
8:30 a.m.	Are We Still Oversedating Mechanically Ventilated Patients? <i>Jean-Louis Vincent, M.D., Ph.D.</i>
9:00 a.m.	Electrical Impedance Tomography (EIT) for Monitoring Lung Injury <i>Laurent J. Brochard, M.D.</i>
9:30 a.m.	Break and Exhibits
10:00 a.m.	Interactive Session Optimizing Fluid and Oxygenation Targets in ARDS: A Case-Based Discussion <i>Jean-Louis Vincent, M.D., Ph.D.</i>
11:00 a.m.	Break and Exhibits
11:15 a.m.	Beyond the Basics: Navigating Advanced Noninvasive PAP Modalities for Optimal Ventilation <i>Kannan Ramar, M.D., M.B.A.</i>
12:00 p.m.	Pressures, Volumes, and Algorithms: Does the Mode Matter in NIV? <i>Bernardo Selim, M.D.</i>
12:45 p.m.	Panel Discussion and Q&A Respiratory Physiology: Are We Fully Harnessing Its Power in Bedside Care, Education, and Research? All Speakers <i>Moderator: Bernardo Selim, M.D.</i>
1:15 p.m.	Adjourn

Friday, October 10, 2025

6:30 a.m.	Continental Breakfast
7:30 a.m.	Managing ARDS: More Than Just Low Tidal Volume! <i>Jean-Louis Vincent, M.D., Ph.D.</i>
8:00 a.m.	Respiratory Care in Congenital Heart Disease and Right Ventricular Failure: Key Strategies and Cardiologist Insights <i>Crystal R. Bonnicksen, M.D.</i>
8:30 a.m.	The Ventilator of the Future: Key Principles and Unmet Needs <i>John J. Marini, M.D.</i>
9:00 a.m.	VILI: Lessons from Bench Research to Clinical Practice and Future Directions <i>Patricia Rocco, M.D., Ph.D.</i>
9:30 a.m.	Break and Exhibits
10:00 a.m.	Mechanical Power in Ventilation: What's Ready for Clinical Use and What Still Needs Work? <i>Patricia Rocco, M.D., Ph.D.</i>
10:45 a.m.	Ventilation Strategies During VV-ECMO – A Case-Based Discussion <i>Luigi Camporota, M.D.</i>
11:30 a.m.	Panel Discussion and Q&A Round Table, Open Mic All Speakers <i>Moderator: Gustavo A. Cortes Puentes, M.D.</i>
12:00 p.m.	Adjourn

