



Tuesday, October 7	
6:15 AM	Registration and Continental Breakfast
7:15 AM	Welcome, Announcements, and Conference Overview <i>Gustavo A. Cortes Puentes, M.D.</i>
7:30 AM	Essential Respiratory Physiology for Optimizing Mechanical Ventilation <i>Gustavo A. Cortes Puentes, M.D.</i>
8:00 AM	Beyond Oxygen: Unraveling the Benefits of High-Flow Nasal Cannula in Respiratory Failure <i>Bernardo J. Selim, M.D.</i>
8:30 AM	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 AM	Advanced Mechanical Ventilation Strategies for Complex Surgical Cases <i>Bhargavi Gali, M.D., M.H.A.</i>
9:30 AM	Refreshment Break & Exhibitors
10:00 AM	Interactive Session Mastering Waveform Analysis for Patient-Ventilator Dysynchrony <i>William M. LeTourneau, II, R.R.T., L.R.T.</i> <i>James E. Baker, R.R.T., L.R.T.</i> <i>Tanner J. Hill, R.R.T., L.R.T.</i>
11:00 AM	Refreshment Break & Exhibitors
11:15 AM	Respiratory Effort: Are We Assessing and Managing Patients Correctly? A Clinical Tutorial <i>Luigi Camporota, M.D.</i>
12:00 PM	The Mayo Model: A Systematic Approach to Refractory Hypoxemia Standard Protocols - <i>Richard A. Oeckler, M.D., Ph.D.</i> (20 min) Future Directions - <i>Gustavo A. Cortes Puentes, M.D.</i> (20 min)
12:45 PM	Panel Discussion and Q&A Mechanical Ventilation: Are We Leading the Strategy or Just Following the Machine? <i>All Speakers</i> <i>Moderator: Richard A. Oeckler, M.D., Ph.D.</i>
1:15 PM	Adjourn



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



Mechanical Ventilation 2025
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Oceanside, CA and Livestream
All times listed in PACFIC.

5:45 PM	Adjourn
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Thursday, October 9	
6:30 AM	Registration and Continental Breakfast
7:30 AM	Hypercapnia Uncovered: A Practical Approach Through Physiology <i>Kannan Ramar, M.D., M.B.A.</i>
8:00 AM	VILI: Lessons from Bench Research to Clinical Practice and Future Directions <i>Patricia Rocco, M.D., Ph.D.</i>
8:30 AM	Are We Still Over-Sedating Mechanically Ventilated Patients? <i>Jean-Louis Vincent, M.D., Ph.D.</i>
9:00 AM	Electrical Impedance Tomography (EIT) for Monitoring Lung Injury <i>Laurent J. Brochard, M.D.</i>
9:30 AM	Refreshment Break & Exhibitors
10:00 AM	Interactive Session Optimizing Fluid and Oxygenation Targets in ARDS: A Case-Based Discussion <i>Jean-Louis Vincent, M.D., Ph.D.</i>
11:00 AM	Refreshment Break & Exhibitors
11:15 AM	Beyond the Basics: Navigating Advanced Noninvasive PAP Modalities for Optimal Ventilation <i>Kannan Ramar, M.D., M.B.A.</i>
12:00 PM	Mechanical Power in Ventilation: What's Ready for Clinical Use and What Still Needs Work? <i>Patricia Rocco, M.D., Ph.D.</i>
12:45 PM	Panel Discussion and Q&A Respiratory Physiology: Are We Fully Harnessing Its Power in Bedside Care, Education, and Research? <i>All Speakers</i> <i>Moderator: Bernardo Selim, M.D.</i>
1:15 PM	Adjourn



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Friday, October 10	
6:30 AM	Registration and Continental Breakfast
7:30 AM	Managing ARDS: More Than Just Low Tidal Volume! <i>Jean-Louis Vincent, M.D., Ph.D.</i>
8:00 AM	Respiratory Care in Congenital Heart Disease and Right Ventricular Failure: Key Strategies and Cardiologist Insights <i>Crystal R. Bonnichsen, M.D.</i>
8:30 AM	The Ventilator of the Future: Key Principles and Unmet Needs <i>John J. Marini, M.D.</i>
9:00 AM	Mechanical Power, 4DPRR Index, and Driving Pressure: Is One Better Than the Others? <i>Francesca Collino, M.D.</i>
9:30 AM	Refreshment Break & Exhibitors
10:00 AM	Pressures, Volumes, and Algorithms: Does the Mode Matter in NIV? <i>Bernardo Selim, M.D.</i>
10:45 AM	Ventilation Strategies During VV-ECMO – A Case-Based Discussion <i>Luigi Camporota, M.D.</i>
11:30 AM	Panel Discussion and Q&A Round Table / Open Mic <i>All Speakers</i> <i>Moderator: Gustavo A. Cortes Puentes, M.D.</i>
12:00 PM	Adjourn