



Mechanical Ventilation

August 23-25, 2023

Livestream

*All times listed CENTRAL time zone.

Wednesday, August 23, 2023

Pre-Conference Workshop

7:00 a.m.	Registration and Continental Breakfast
8:00 a.m.	Respiratory Physiology and Pulmonary Mechanics Gustavo A. Cortes Puentes, M.D.
8:45 a.m.	Ventilator Modes William M. LeTourneau, II, R.R.T., L.R.T.
9:30 a.m.	Break / Refreshments
10:00 a.m.	Intro to Ventilator Waveforms James E. Baker, R.R.T., L.R.T.
10:45 a.m.	Basic Mechanical Ventilation Strategies – How to Manage and Troubleshoot Richard A. Oeckler, M.D., Ph.D.
11:30 a.m.	Pre-Conference Adjourns Lunch

Wednesday, August 23, 2023

General Session

11:30 a.m.	Registration and Lunch
12:15 p.m.	Welcome, Announcements, and Conference Overview
Lectures: Basic Physiologic Principles – Introduction to Mechanical Ventilation and ARDS	
12:30 p.m.	A Short History of Mechanical Ventilation Philippe Bauer, M.D., Ph.D.
1:00 p.m.	ARDS: Redefine? Time to Abandon? Are We Asking the Right Questions? Jean-Louis Vincent, M.D.
1:30 p.m.	What Have We Learned from Animal Models of VILI? Patricia Rocco, M.D., Ph.D.
2:00 p.m.	Basic Modes of Ventilation: Pressure vs. Flow Regulation William M. LeTourneau, R.R.T., L.R.T.
2:30 p.m.	Break and Exhibits
3:00 – 4:30 p.m. Online Didactics	
Alveolar Recruitment: A Clinically Focused Overview (0:31:03) Neil R. MacIntyre, Jr., M.D. How to Optimize Mechanical Power to Avoid VILI (0:29:12) Luciano Gattinoni, M.D. Neuromuscular Blockade in the ARDS: Who, When and How Long? (0:25:02) Laurent J. Brochard, M.D.	
4:30 p.m.	Get to Know the Experts – Q&A Session Patricia Rocco, M.D., Ph.D.

Thursday, August 24, 2023

7:00 a.m.	Continental Breakfast
Lectures: Advanced Mechanical Ventilatory Support and Cardiopulmonary Interactions	
8:00 a.m.	Cardiopulmonary Interactions During Mechanical Ventilation John J. Marini, M.D.
8:30 a.m.	Practical Approach to Mechanical Ventilation during ECMO –Why and How? Misty A. Radosevich, M.D.
9:00 a.m.	Cardiopulmonary Interactions During ECMO –Thoughtful Vasopressor Use Erica D. Wittwer, M.D., Ph.D.
9:30 a.m.	Management of ARDS: What is Really Evidence-Based? Jean-Louis Vincent, M.D.
10:00 a.m.	Break and Exhibits
10:30 – 12:00 p.m. Online Didactics	
Introduction to Waveform Analysis (0:43:23) Steven R. Holets, R.R.T., L.R.T. Liberation from Mechanical Ventilation (A Physiologic & Historic Perspective) (0:28:20) Richard Kallet, MS, R.R.T. Monitoring Regional Ventilation in Hypoxemic Respiratory Failure with Electrical Impedance Tomography (0:26:19) Laurent J. Brochard, M.D.	
12:00 p.m.	Lunch
Lectures: Monitoring During Mechanical Ventilation	
1:00 p.m.	Monitoring of Pulmonary Mechanics During Invasive and Noninvasive Ventilatory Support Giacomo Bellani, M.D.
1:30 p.m.	How Do I Monitor Respiratory Effort to Avoid Patient Self-Inflicted Lung Injury (PSILI)? Laurent J. Brochard, M.D.
2:00 p.m.	Driving Pressure: Defining the Range and Clinical Implications Luigi Camporota, M.D.
2:30 p.m.	Which Component of Mechanical Power is Most Important in Causing VILI? Patricia Rocco, M.D., Ph.D.
3:00 p.m.	Break and Exhibits
3:30 – 5:00 p.m. Online Didactics	
Non-Invasive Ventilatory Support in the Community Setting: Allocation of Ventilatory Support During the COVID-19 Pandemic (0:27:50) Erin S. DeMartino, M.D. ARDS Management: What is Really Evidence Based? (0:31:32) Jean-Louis Vincent, M.D., Ph.D. Mechanical Power and Positive End-Expiratory Pressure – What is the Real Mechanical Cause of VILI? (0:28:54) Luciano Gattinoni, M.D.	
5:00 p.m.	Get to Know the Experts – Q&A Richard D. Branson, MS, R.R.T.
5:30 p.m.	Adjourn

Friday, August 25, 2023

7:00 a.m.	Continental Breakfast
Lectures: Ventilation	
8:00 a.m.	Ethical Considerations of Mechanical Ventilation Erin S. DeMartino, M.D.
8:30 a.m.	Liberation from Mechanical Ventilation Giacomo Bellani, M.D.
9:00 a.m.	HFNC and NIV in Hypoxemic-Hypercapnic Respiratory Failure: Optimizing NIV Settings Bernardo J. Selim, M.D.
9:30 a.m.	Long-Term Mechanical Ventilation Peter C. Gay, M.D.
10:00 a.m.	Break and Exhibits
10:30 – 12:00 p.m. Online Didactics	
Setting PEEP and Bedside Assessment of Lung Recruitability (1:06:40) Gustavo A. Cortes Puentes, M.D. Home Mechanical Ventilation (0:22:48) Peter C. Gay, M.D.	
12:00 p.m.	Lunch
Master Class Series: Advances in Respiratory Failure Management	
12:30 p.m.	Advanced Mechanical Ventilation Monitoring: Regional Ventilation and Diaphragmatic Function Laurent J. Brochard, M.D.
1:00 p.m.	Cardiopulmonary Interactions in Patients with Complex Congenital Heart Disease Crystal R. Bonnicksen, M.D.
1:30 p.m.	Mechanical Ventilation in Pediatric and Neonatal Patients: Little Lungs, Little Differences? Grace M. Arteaga, M.D.
2:00 p.m.	Mechanical Ventilation in the Operating Room Bhargavi Gali, M.D., M.H.A.
2:30 p.m.	Break and Exhibits
3:00 p.m.	Positioning and the Compromised Respiratory System – Who Gets to be Proned Gustavo A. Cortes Puentes, M.D.
3:30 p.m.	Pros & Cons Debate: Airway Pressure Release Ventilation (APRV) in ARDS Luigi Camporota, M.D., Ph.D. (Pros-12mn) Richard Branson, MS, R.R.T. (Cons-12mn) Resolution (5 mn)
4:00 p.m.	Mechanical Power and Positive End-Expiratory Pressure – What is the Real Mechanical Cause of VILI? John J. Marini, M.D.
4:30 p.m.	Get to Know the Experts – Q&A Richard Oeckler, M.D., Ph.D.
5:00 p.m. Adjourn	