



## 2024 UPDATE ON PRINCIPLES AND PRACTICE OF MECHANICAL VENTILATION WORKSHOP

**Friday, June 7, 2024**  
**Toronto Airport Marriott Hotel, Toronto**

At the end of this workshop participants will be able to:

- describe basic principles of patient-ventilator interactions, including respiratory mechanics, patient-ventilator synchrony, and control of breathing;
- apply basic and advanced principles of respiratory monitoring for difficult to ventilate/oxygenate patients, with a focus on PEEP and recruitment optimization, and respiratory drive assessment;
- describe management options in patients experiencing difficult ventilation and liberation from mechanical ventilation.

*A minimum of 25% of each session is dedicated to participant interaction.*

Time	Session	Speaker(s)	Location
12:00 - 12:30	Registration Check-In		British Columbia Foyer
12:30 – 12:45	<b>Welcome and Introduction</b>	Alberto Goffi, Thomas Piraino, Matthew Ko	British Columbia / Alberta
12:45 – 13:15	<b>The Equation of Motion and Respiratory Mechanics</b>	Thomas Piraino	
13:15 – 13:45	<b>Control of Breathing During Mechanical Ventilation</b>	Irene Telias	
13:45– 14:15	<b>Diagnosing and Managing Patient-Ventilator Dyssynchrony</b>	Laurent Brochard <i>Presenting virtually</i>	
14:15 – 14:30	Break		
14:30 – 16:30	<b>Concurrent Workshops: participants will choose 3 workshops (40 min) out of the 6 offered</b>		
	<b>Workshop # 1 – Basic Principles of Electrical Impedance Tomography</b>	Matthew Ko	British Columbia / Alberta
	<b>Workshop # 2 – Esophageal Pressure Monitoring</b>	Alberto Goffi / Pamela Greco	British Columbia / Alberta
	<b>Workshop # 3 – A Picture is Worth a Thousand Words (Waveforms Interpretation)</b>	Irene Telias	Salon H



	<b>Workshop # 4 - Assessing Respiratory Drive and Effort</b>	Alice Grassi	Salon H
	<b>Workshop # 5 – Recruitability Maneuvers and Assessment of Airway Opening Pressure: Rationale and Technique</b>	Thomas Piraino	Quebec
	<b>Workshop # 6 – Introduction to PAV and NAVA</b>	Karen Bosma	Quebec
<b>16:30 – 16:45</b>	Break		
<b>16:45-17:15</b>	<b>Management of Difficult Weaning</b>	Karen Bosma	
<b>17:15-18:00</b>	<b>Tips and Tricks of MV - How I Ventilate Patients with Asthma, ARDS, High-Respiratory Drive, Elevated ICP...</b>	Thomas Piraino and Matthew Ko	British Columbia / Alberta
<b>18:00</b>	Adjourn		



## Thank You to Our Sponsors

This program has received an educational grant or in-kind support from the following:

