



2019 VENTILATOR MANAGEMENT FOR THE INTENSIVIST WORKSHOP June 5th, Old Mill 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 ventilator-induced lung injury;
- apply basic and advanced principles of respiratory monitoring for difficult to ventilate/oxygenate patients; and
- describe current evidence in the management of patients with acute respiratory failure, including PEEP and recruitment optimization, extracorporeal life-support treatment and other rescue therapies.

Time	Session	Location
12:00 p.m. - 1:00 p.m.	Registration Check-In	Brule Foyer, 1 st floor
1:00 p.m. - 1:05 p.m.	Welcome and Introductions Alberto Goffi	Brule C, 1 st floor
1:05 p.m. - 1:35 p.m.	Back to Basics: Equations, Settings and Controls Thomas Piraino At the end of this session, participants will be able to: <ul style="list-style-type: none"> • describe the overall goal of mechanical ventilation; • review the role of compliance and resistance in setting the ventilator; • review the importance of breath timing for various modes; and • discuss suggested ventilator settings and how to monitor the patients for required changes. 	Brule C
1:35 p.m. - 2:05 p.m.	Patient-Ventilator Asynchrony Laurent Brochard At the end of this session, participants will be able to:	Brule C

	<ul style="list-style-type: none"> • recognize importance and clinical consequences of asynchronies; • describe main mechanisms and types of asynchrony; and • recognize and troubleshoot most common dyssynchronies. 	
2:05 p.m. - 2:20 p.m.	Break	Brule Foyer, 1 st Floor
2:20 p.m. - 6:00 p.m.	<p>Concurrent Workshops: <i>The afternoon consists of five 40-minute rotating workshops.</i></p> <p>2:20 p.m. – 3:00 p.m. 3:05 p.m. – 3:45 p.m. 3:50 p.m. – 4:30 p.m. 4:35 p.m. – 5:15 p.m. 5:20 p.m. – 6:00 p.m.</p>	
Workshop 1	<p>Approach to the Difficult to Ventilate Patient Thomas Piraino</p> <p>At the end of this session, participants will be able to:</p> <ul style="list-style-type: none"> • demonstrate through an interactive session how to monitor difficult to ventilate patients; and • demonstrate various settings and controls that can be adjusted in an attempt to optimize patient ventilator management. 	Mill, 1 st Floor
Workshop 2	<p>When and How to Measure Esophageal Pressure Alberto Goffi and Abdulrahman Al-Fares</p> <p>At the end of this session, participants will be able to:</p> <ul style="list-style-type: none"> • understand physiological and technical principles on esophageal pressure measurements in mechanically ventilated patients; • describe current evidence supporting the use of esophageal pressure to set PEEP at the bedside in patients with ARDS; and • describe other indications for the use of use of esophageal pressure measurements in mechanically ventilated patients. 	Balmoral, 3 rd Floor
Workshop 3	<p>Hypoxic Respiratory Failure Cases Mark Soth</p> <p>At the end of this session, participants will be able to</p> <ul style="list-style-type: none"> • apply the physiology behind hypoxic respiratory failure to ventilator strategy; 	York, 2 nd Floor

	<ul style="list-style-type: none"> • review the pros, cons, and evidence behind different methods of determining optimal PEEP; and • review the application of common rescue therapies for refractory hypoxemic respiratory failure. 	
Workshop 4	<p>Extra Corporeal Life Support Lorenzo Del Sorbo</p> <p>At the end of this session, participants will be able to:</p> <ul style="list-style-type: none"> • describe physiology of extracorporeal life support in patients with severe respiratory failure; • describe indications, associated configurations and current evidence for the use of extracorporeal life support in severe respiratory failure; and • identify most common patient and circuit associated complications. 	Brule B, 1 st Floor
Workshop 5	<p>Bedside Assessment of Respiratory Mechanics and Lung Recruitment Lu Chen</p> <p>At the end of this session, participants will be able to:</p> <ul style="list-style-type: none"> • identify typical ventilator waveforms in patients with obstructive or restrictive diseases; • measure and interpret the fundamental parameters in respiratory mechanics; and • apply a simplified method for assessing lung recruitment at the bedside. 	Brule B, 1 st Floor
6:05 p.m. – 6:15 p.m.	<p>Closing Remarks Alberto Goffi</p>	Brule C, 1 st Floor

This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, and approved by Continuing Professional Development, Schulich School of Medicine & Dentistry, Western University. You may claim a maximum of 4.5 hours (credits are automatically calculated).

Each participant should claim only those hours of credit that he/she actually spent participating in the educational program.