**Date**: April 14–17, 2020 **Time**: 6:00 pm – 7:30 pm

Presented by:

Interdepartmental Division of Critical Care Medicine (IDCCM)/ Critical Care Canada Forum (CCCF)/ Centre of Excellence in Mechanical Ventilation (CoEMV)

## Day 1 (April 14)

### **Speaker 1: Laurent Brochard**

Basic principles of Pressures and Volumes under Mechanical Ventilation (How you control and interpret the pressures or the volumes generated) (30 min + 15 min QA)

### Speaker 2: Lorenzo Del Sorbo

Basic principles of gas exchange under Mechanical Ventilation (How you control PaO2 and PaCO2) (30 min + 15 min QA)

# Day 2 (April 15)

#### Speaker 1: Niall Ferguson

Basic Modes of Ventilation (Volume control, flow settings, pressure control, PEEP, trigger and assisted modes) (20 min + 10 min QA)

### Speaker 2: Ewan Goligher

Risks and Complications of Mechanical Ventilation (VILI, hemodynamic effects, infections, diaphragm dysfunction) (20 min + 10 min QA)

#### **Speaker 3: Thomas Piraino**

How I set a Ventilator (I have to entirely set the machine) and what I monitor (including waveforms) (20 min + 10 min QA)

# **Day 3 (April 16)**

### Speaker 1: Niall Ferguson

Basic principles of Assisted Ventilation (Assist control and trigger, pressure support and monitoring) (30 min + 15 min QA)

### **Speaker 2: Thomas Piraino**

Trouble-shooting = pressure and alarms (secretions, bronchospasm, pneumo, atelectasis, leak, malfunction, settings of alarms) (30 min + 15 min QA)

### Day 4 (April 17)

### **Speaker 1: Laurent Brochard**

Trouble-shooting= patient-ventilator interaction (sedation and drive, comfort, excessive assistance, insufficient assistance) (30 min + 15 min QA)

### Speaker 2: Ewan Goligher

When is my patient ready to be liberated from the ventilator? (general criteria, doing a spontaneous breathing trial, decision for extubation, risks) (30 min + 15 min QA)

Thank you,

Laurent Brochard, Niall Ferguson, Ewan Goligher IDCCM/CCCF/CoEMV

https://www.criticalcare.utoronto.ca/ https://criticalcarecanada.com/https://mechanicalventilation.ca/ https://coemv.ca/





