BASICS OF MECHANICAL VENTILATION
FREE ONLINE COURSE

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/