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VENTIC
Pre-congress
Course

Friday, 31 May
12:00 - 18:00

Perioperative ventilatory support and intraoperative mechanical ventilation

**IMPORTANT NOTICE: access is limited to pre-registered delegates



Learning objectives

This workshop aims at providing basic information on respiratory physiology to help participants understand and use perioperative ventilatory support including intraoperative mechanical ventilation. The speakers will present basic principles of preoperative preoxygenation, apneic oxygenation strategies, procedural oxygenation, intubation and modified rapid sequence intubation (mRSI) bundles.

This half-day session includes:

- plenary lectures
- small group hands-on training
- active case simulator
- interactive discussions

Target audience: Anaesthesiologists, OR nurses, critical care physicians or anyone interested in the field of perioperative medicine.

Chair:

Cesare Gregoretti (Torino, Italy)

Welcome and introduction

Cesare Gregoretti (Torino, Italy)

Panel 1 - Preoperative ventilatory support : periprocedural techniques to prevent oxygen desaturation including modified rapid sequence and fiberoptic intubation, with special emphasis on predicted difficult airways and hypoxemic surgical patients

Indication for high flow oxygen nasal therapy (HFNT)

Salvatore Maurizio Maggiore (Chieti, Italy)

Indication for continuous positive airway pressure (CPAP)

Samir Jaber (Montpellier, France)

Indication for noninvasive positive pressure ventilation (NiPPV)

Cesare Gregoretti (Torino, Italy)

Preoxygenation, apneic oxygenation strategies, procedural oxygenation, intubation and modified rapid sequence intubation (mRSI) bundles

Massimiliano Sorbello (Catania, Italy)

Discussion

Panel 2 - Ventilation management strategies

Effects of anaesthesia on respiratory function during surgery and in the immediate postoperative period

Paolo Pelosi (Genoa, Italy)

How to identify patients at risk of postoperative pulmonary complications

Paolo Pelosi (Genoa, Italy)

Intraoperative positive end-expiratory pressure (PEEP)

Samir Jaber (Montpellier, France)

Marcelo Gama de Abreu (Dresden, Germany)

Practical case on lung simulator: "Protective" intraoperative mechanical ventilation in different clinical settings and intraoperative respiratory emergencies

Simulation of intraoperative severe asthma

Salvatore Maurizio Maggiore (Chieti, Italy)

Simulation of intraoperative severe obese patients

Paolo Pelosi (Genoa, Italy)



Break

Panel 4 - Postoperative ventilatory support (when to start and when to quit)

Indication for high flow oxygen nasal therapy (HFNT)

Salvatore Maurizio Maggiore (Chieti, Italy)

Indication for continuous positive airway pressure (CPAP)

Marcelo Gama de Abreu (Dresden, Germany)

Indication for noninvasive positive pressure ventilation (NiPPV)

Samir Jaber (Montpellier, France)

Hands-on and discussion
