Thoracic anaesthesia workshop (1)

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

**Learning objectives:**
This workshop will consist of "hands-on demonstrations" in various stations equipped with fibreoptic bronchoscopes, video cameras, mannequins, lung models, double lumen tubes, endobronchial blockers and tube exchangers. Live models and mannequins will be used to demonstrate thoracic epidural and paravertebral blocks. Participants will be divided into groups to ensure interaction with the faculty and will be rotating through the various stations.

After completion of this course, participant will be able to:

- identify the perioperative factors that contribute to lung injury in thoracic surgery patients and plan strategies to avoid this complication;
- understand recent developments in the physiology of one-lung ventilation and use this information to minimise hypoxemia during one-lung anaesthesia;
- manage anaesthetic care for patients having airway surgery including invasive pulmonology, tracheal resection and tracheal injuries;
- perform paravertebral analgesia and lung ultrasound;
- improve their ability to provide safe and reliable lung isolation with double-lumen tubes and bronchial blockers;
- develop a plan to manage post-thoracotomy pain for patients in whom epidural analgesia is contraindicated.

Target audience: Residents and anaesthesiologists who do not perform thoracic anaesthesia on a routine basis or who practice thoracic anaesthesia routinely but wish to update their skills.

**Chairs:**
Marcelo Gama de Abreu (Dresden, Germany)
Edmond Cohen (New York, United States)

1. Panel: Update in thoracic anaesthesia

   **Recent advances in lung isolation**
   Edmond Cohen (New York, United States)

   **Recent advances in one lung ventilation (OLV) management**
   Marcelo Gama de Abreu (Dresden, Germany)

   **Recent advances in pain management**

2. Hands-on workshop

   **Station 1: Left sided double lumen tube (DLT) / Right sided DLT**
   Nuzhet Mert Sentürk (Istanbul, Turkey)

   **Station 2: Univent tube / Uniblocker**
   Nuzhet Mert Sentürk (Istanbul, Turkey)

   **Station 3: Cohen/ Arndt endobronchial blockers**

   **Station 4: EZ Blocker / VivaSight**
   Thomas Kiss (Dresden, Germany)
**Thoracic anaesthesia workshop (2)**

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

**Chairs:**
Marcelo Gama de Abreu (Dresden, Germany)
Edmond Cohen (New York, United States)

**1. Panel: Update in thoracic anaesthesia**

Recent advances in lung isolation
Edmond Cohen (New York, United States)

Recent advances in one lung ventilation (OLV) management
Marcelo Gama de Abreu (Dresden, Germany)

Recent advances in pain management

**2. Hands-on workshop**

Station 1: Left sided double lumen tube (DLT) / Right sided DLT

Station 2: Univent tube / Uniblocker
Nuzhet Mert Sentürk (Istanbul, Turkey)

Station 3: Cohen/ Arndt endobronchial blockers

Station 4: EZ Blocker / VivaSight
Thomas Kiss (Dresden, Germany)

Station 5: Paediatric lung separation

Station 6: Thoracic epidural
Manuel Granell Gil (valencia, Spain)

Station 7: Paravertebral block

Station 8: Thoracic muscle plane, Serratus anterior blocks

Station 9: Adult simulator
Thomas Bluth (Dresden, Germany)