

THORACIC ANESTHESIA COURSE

An innovative immersive hands-on 5 hours course in thoracic anesthesia designed to provide participants expertise in managing lung isolation, fibroscopy, one-lung ventilation and thoracic anesthesia. The course includes training of fibroscopy and lung isolation with simulation and training in models.

LEARNING GOALS OF THE CME ACTIVITY

SPA Thoracic Anesthesia Course is based on two main parts:

Theoretical part, focused on:

1. perioperative assessment, optimisation and care of thoracic surgery patients,
2. a round-table open discussions on challenges in ventilation management during one-lung ventilation and thoracic surgery, lung isolation technics
3. anaesthetics, haemodynamic and fluid therapy for patients who undergo thoracic surgery,
4. choices for pain management after thoracic surgery

Practical part, to gain skills in:

1. hands-on airway management, lung isolation tools and Fibroscopy
2. decision-making through simulation-based learning in cases of experiencing hypoxaemia, increased airway pressures and other ventilator-related problems during thoracic surgery and anaesthesia

TARGET PARTICIPANTS

Anesthesiologists. Cardiothoracic Anesthesiologists. Anesthesia residents. Thoracic and Cardiothoracic surgeons. Thoracic surgery residents.

LOCAL

Congresso SPCCTV 4D visions 2022. Centro de Congressos do Hotel Grande Real Santa Eulália.

PROVIDER

Sociedade Portuguesa de Anestesiologia. Secção de Anestesia Cardiotorácica.

Chair of Scientific and Organizing Committee of Thoracic Anesthesia Course

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FACULTY

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NUMBER OF PARTICIPANTS: 24

REGISTRATION: 125€



SCIENTIFIC SUPPORT

Sociedade Portuguesa de Anestesiologia

European Accreditation Council for Continuing Medical Education

PROGRAMME

13:30 – 14:00 **Registration open**

14:00 – 14:10 **Introduction to the SPA Thoracic Anesthesia Course**

14:10 – 14:30 **Session 1**

Preoperative Evaluation and Optimisation.

Assessment and Scoring.

Optimization: nutrition, exercise, education, ERATS

14:30 – 15:10 **Session 2**

Anesthetics, Haemodynamics, Fluid Management and Pain Management

Intravenous or Inhalational anaesthetics: what's the evidence and clinician's preference?

Fluid management: simply restrictive or haemodynamic goal-directed. Colloids and bleeding in thoracic surgery.

Pain Management: acute and chronic pain after thoracotomy, Regional anesthesia (thoracic epidural, paravertebral block, erector spinae block and intercostal block)

15:10 – 15:50 **Session 3**

Airway Management and One Lung Ventilation

Lung isolation: Double Lumen tubes and Bronchial blockers. Bronchoscopic anatomy.

One lung ventilation: PEEP and auto-PEEP, driving pressure and tidal volume, pressure or volume controlled ventilation, protective ventilation

15:50 – 16:20 **Session 4**

Problem Based Learning Discussion (PBLD's)

Hypoxia

Increased airway pressures and other ventilator problems

The challenging and difficult airway.

16:20 – 16:45 **Coffee Break**

16:45 – 18:45 **Practical Session. Workstation A to D. Training models.**

Airway management, Lung isolation and Fibroscopy

- A. Bronchoscopic anatomy
- B. Double Lumen Tubes and video-DLTs
- C. Bronchial blockers and Fibroscopy
- D. Single use bronchoscopes

18:45 – 19:15 **Future of Thoracic Anesthesia.**

Who wants to be a thoracic millionaire?