EACTAIC Thoracic Masterclass II

March 24 and 25, 2023

Venue: Museum of Medicine, Université Libre De Bruxelles / Campus Érasme, Faculty Square, Rte de Lennik 808, 1070 Anderlecht, Brussels, Belgium

Access: Get directions
By Car: The Erasmecampus can be reached by motorways E411 (Namur), E42 (Liège), E19 (Paris-Mons), and E40 (Ostend), then the Brussels Ring and Route de Lennik. Via the ring, exit Lennik–ULB Erasme. At the roundabout, direction Erasmus Hospital. Parking near the hospital.
By Bus Stib: 74, 98 (Ceria).
By Bus De Lijn: 141 Gare du Midi (South Station) -Leerbeek-Lennik.
142 Gare du Midi (South Station) -Leerbeek-Gaasbeek.

By Metro: line 5, Erasmus terminus (19 min from Brussels city centre) + 5 minutes walk.

Fees: **350 euros** for regular delegates

The number of delegates. 100 delegates

Organising committee:
- **Turgay Tuna**, Université Libre De Bruxelles, Brussels, Belgium, Coordinator of Local Organising Committee
- **Laszlo Szegedi**, Université Libre De Bruxelles, Brussels, Belgium, Chair of Local Organising Committee
- **Mert Senturk**, Acibadem Hospital, Istanbul, Turkey, Chair of EACTAIC Thoracic Subspecialty Committee, EACTAIC Organising Committee
- **Caroline Vanpeteghem**, University of Ghent, Ghent, Belgium, EACTAIC Organising Committee.
- **Mohamed El Tahan**, Mansoura University, Egypt, Imam Abdulrahman Bin Faisal University, Saudi Arabia, Chair of Organising Committee, EACTAIC Educational Chair.

UEMS / EACCME Accreditation.
Expected CME credit points **12 CME** credit points in case of choosing Simulation (1) **or 8 CME** credit points in case of choosing Simulation (2), as shown below.

Day (1) 5 CME credit points
Day (2) Simulation (1) 7 CME credit points
Simulation (2) 3 CME credit points

Learning Objectives:

By the end of this two-day masterclass, you will be able to better

- Recognise the advances in thoracic anaesthesia over the years.
- Understand the impacts of limiting airway and driving pressures, tidal volumes, and alveolar recruiting on protective one-lung ventilation.
- Identify the effect of mechanical power on the outcomes after thoracic surgery using one-lung ventilation.
- Describe the different recruiting techniques for the non-ventilated during one-lung ventilation.
- Interpret the roles of haemodynamic monitoring and control in the Enhanced Recovery after Thoracic Surgery (ERATS)
- Understand the optimum fluid therapy strategy for patients undergoing thoracic surgery.
- Indicate the role of prehabilitation on enhanced recovery after thoracic surgery.
- Demonstrate the impact of surgical perspectives on the components of enhanced recovery protocols after thoracic surgery.
- List the efficacy of different neuraxial and regional facial blocks on the quality of analgesia after thoracic surgery.
- Recognise the impacts of total intravenous or volatile anaesthetics on the clinical outcomes after thoracic surgery.
- Identify the roles of neuromonitoring in predicting postoperative neurological insults.
- Define the position of opioid-free anaesthesia in modern thoracic anaesthesia practice.
- Review the benefits and applications of Ultrasound for heart and lung during the perioperative care of thoracic surgery patients.
- Distinguish the challenges for thoracic anaesthesiologists in pulmonology suits for non-surgical pulmonology diagnostic and therapeutic interventions.
- Practice ultrasound assessment for heart and lungs using point-of-care Ultrasound (POCUS) on humans
- Show competency in performing thoracic paravertebral and epidural blocks on dummies
- Show competency in identifying ultrasonographic anatomy for thoracic paravertebral and intercostal spaces, erector spinae and serratus anterior plans in humans.
- Show competency in placing and confirming the proper tip positions for left-and-right-side double-lumen endobronchial tubes and those with an embedded camera at the tips on high-fidelity airway simulations.
- Based on high-fidelity airway simulations, show competency in placing and confirming the proper tip positions for different entities of bronchial blockers into the left-and-right main and lobar bronchi.
- Demonstrate competency in using different curved blades, stylets, and channelled and non-channelled video laryngoscopes for placement of double lumen endobronchial tubes on high-fidelity airway simulations.
- Analyse and interpret the minimally invasive and invasive haemodynamic changes and define the appropriate treatment option during thoracic surgery on simulation software.

Day 1 Friday, March 24, 2023. Theoretical 09:00 - 18:00

8:00 – 9:00 Registrations

9:00-9:10 Opening

Laszlo Szegedi (Université Libre De Bruxelles, Brussels, Belgium)

Mohamed El Tahan (Mansoura University, Egypt, Imam Abdulrahman Bin Faisal University, Saudi Arabia)

9:10-10:10 Past and Future Years in Thoracic Anaesthesia.

Edmond Cohen (Mount Sinai University, New York, The United States)

Javier Campos (Iowa University, Iowa, The United States)

10:10-10:40 Coffee Break

10:40-12:10 Round Table (1): Protective Ventilation (To be supported by Mindray and Getinge**)**

Moderator: Paolo Pelosi (University of Genoa, Genoa, Italy)

10:43-10:48 **Pressures (**Driving pressure, PEEP, peak and plateau airway pressures**).**

Mert Senturk (Acibadem Hospital, Istanbul Turkey)

10:48-10:53 **Protective tidal volume.**

Mohamed El Tahan (Mansoura University, Egypt, Imam Abdulrahman Bin Faisal University, Saudi Arabia)

10:53-10:58 **Alveolar Recruiting.**

Mojca Drnovšek Globokar (University Medical Centre Ljubljana, Ljubljana, Slovenia)

10:58-11:03 **Mechanical Power.**

Paolo Pelosi (University of Genoa, Genoa, Italy)

11:03-11:08 **The non-ventilated lung.**

Tamás Végh (University of Debrecen, Debrecen, Hungary)

11:08-12:10 **Open Discussion.**

12:10-13:10 Lunch Break

13:10-14:40 Round Table (2): Enhanced Recovery After Thoracic Surgery

Moderator: Marc Licker (University of Geneva, Geneva, Switzerland)

13:13-13:18 **Haemodynamic monitoring and Fluid Goal-Directed Therapy**.

Laszlo Szegedi (Université Libre De Bruxelles, Brussels, Belgium)

13:18-13:23 **Prehabilitation and early recovery**.

Ricard Navarro (Clinic Du Barcelona, Barcelona, Spain)

13:23-13:28 **Surgical perspectives**.

Hasan Batırel

13:28-13:33 **Analgesics choices (neuraxial vs truncal)**.

Vojislava Neskovic (Military Medical Centre, Belgrade, Serbia)

13:33-13:38 **Anaesthetics (total intravenous vs volatile)**.

Caroline Vanpeteghem (University of Ghent, Ghent, Belgium)

13:38-13:43 **Neuromonitoring**.

Marc Licker (University of Geneva, Geneva, Switzerland)

13:43-14:40 Open Discussion

14:40-15:10 Pro and Con:

Moderator: Mohamed El Tahan (Mansoura University, Egypt, Imam Abdulrahman Bin Faisal University, Saudi Arabia)

14:40-15:10 **Why not opioid free anesthesia or no opioid free anesthesia?**

Federico Piccioni, (Istituto Clinico Humanitas IRCCS, Milan, Italy)

Laszlo Szegedi (Université Libre De Bruxelles, Brussels, Belgium)

15:10-15:40 Plenary lectures

Moderator: Edmond Cohen (Mount Sinai University, New York, The United States)

15:40-16:10 **Ultrasound for lung and heart**.

Daniel Lichtenstein (Medical ICU, Hospital Ambroise Paré, Paris, France)

16:10-16:30 Coffee Break

16:30-17:00 New Non-Surgical Technology

Moderator: Mert Senturk (Acibadem Hospital, Istanbul Turkey)

16:30-17:00 **Non-surgical pulmonary interventions: Pulmonologist Perspectives**.

Dimitri Leduc (Pulmonologist, Centre Hospitalier Universitaire, Brussels, Belgium)

17:00-18:00 Questions from the floor and discussion from faculty

Day 2 Saturday, March 25, 2023. Practical 09:00 – 19:00

(**Three coffee breaks, one lunch break**) (two national/international instructors in addition to local instructors for each workshop)

WS 1: **Ultrasound for heart and lungs (Focus, Point-of-Care "POCUS"). (**One Human Model**)**

Daniel Lichtenstein (Medical ICU, Hospital Ambroise Paré, Paris, France)
Laurent Perrin (PHU Anesthésie chez Hôpital Erasme - Cliniques Universitaires de Bruxelles, Brussels, Belgium)

WS 2: **Ultrasound guided blocks. (Prevertebral, Thoracic Epidural) (**One Human Model**)**

Pierre Pandain, (HUB Erasmus Hospital, the university hospital of the Université Libre de Bruxelles, Belgium)
Maria José Jimenez (Clinic Du Barcelona, Barcelona, Spain)

WS 3: **Ultrasound guided blocks. (Erector Spinae Plan, Serratus Anterior Plan, and intercostal Blocks) (**One Human Model**)**

Kilicaslan Alper (Necmettin Erbakan University, Meram School of Medicine, Konya,Turkey)
Ricard Navarro (Clinic Du Barcelona, Barcelona, Spain)

WS 4: **Double lumen tube with an embedded camera (Ambu/Fuji).**

Manuel Granell (Consorcio Hospital General Universitario de Valencia, Valencia, Spain)
Izumi Kawagoe (Juntendo University Hospital, Tokyo, Japan)

WS 5: **Left side DLT.**

Mojca Drnovšek Globokar (University Medical Centre Ljubljana, Ljubljana, Slovenia)
Caroline Vanpeteghem (University of Ghent, Ghent, Belgium)

WS 6: **Right-side DLT.**

Marc Licker (University of Geneva, Geneva, Switzerland)
Vojislava Neskovic (Military Medical Centre, Belgrade, Serbia)

WS 7: **Blockers (Fuji / Ambu, Cohen, Arndt/ Cook).**

Laszlo Szegedi (Université Libre De Bruxelles, Brussels, Belgium)
Federico Piccioni, (Istituto Clinico Humanitas IRCCS, Milan, Italy)

WS 8: **Blockers (Tappa, EZ blocker/ Telefelex).**

Mert Senturk (Acibadem Hospital, Istanbul Turkey)
Tamás Végh (University of Debrecen, Debrecen, Hungary)
Jo Mourisse (Radboud University Medical Centre (Radboudumc), Nijmegen, The Netherlands)

WS 9: **Videolaryngoscopes with conduits (Airtraq, Pentax AWS, King Vision /Ambu).**

Nandor Marczin (Harefield Hospital, Imperial London College, London, The United Kingdom)
Mohamed El Tahan (Mansoura University, Egypt, Imam Abdulrahman Bin Faisal University, Saudi Arabia)

WS 10: **Curved and Stylet Videolaryngoscopes (Glidescope / Verathon, C-MAC, Bonfils / Storz, MacGrath)**

Massimiliano Sorbello (University of Catania, Catania, Italy)
Laszlo Szegedi (Université Libre De Bruxelles, Brussels, Belgium)

WS 11: **Simulation on haemodynamics during thoracic surgery** (**Edwards**, **Massimo**).

Mert Senturk (Acibadem Hospital, Istanbul Turkey)
Mohamed El Tahan (Mansoura University, Egypt, Imam Abdulrahman Bin Faisal University, Saudi Arabia)