



# ESTS SCHOOL

ESTS  
SCHOOL OF  
THORACIC  
SURGERY

## KNOWLEDGE TRACK COURSE

April 7-11 2025

Lindner Hotel Prague Castle, Prague, Czech Republic



An application will be made for accreditation  
to European Accreditation Council for Continuing Medical Education  
(EACCME®)

**Course Organiser:**

Alessandro Bertani, Palermo, Italy  
ESTS Director of Education and  
Knowledge Track Course Coordinator

INFORMATION & REGISTRATION: [www.ests.org](http://www.ests.org)

## On site faculty



Clemens Aigner, Vienna, Austria



Alessandro Bertani, Palermo, Italy



Lieven Depypere, Leuven, Belgium



Jozsef Furak, Szeged, Hungary



Ivo Hanke, Hradec Králové, Czech Republic



Nuria Novoa, Madrid, Spain



María Rodríguez, Navarra, Spain



Lorenzo Rosso, Milano, Italy



Hermien Schreurs, Alkmaar, Netherlands

## Virtual faculty



Hasan Batirel, Istanbul, Turkey



Alex Brunelli, Leeds, UK



Souheil Boubia, Casablanca, Morocco



Roberto Cerfolio, New York, USA



Laurens Ceulemans, Leuven, Belgium



Thomas D'amico, Durham, USA



Xavier B. D'Journo, Marseille, France



Herbert Decaluwe, Genk, Belgium



Alessandro Gonfiotti, Florence, Italy



Konrad Hoetzenteker, Nashville, TN, USA



James Luketich, Pittsburgh, USA



Alessandro Mariani, Sao Paulo, Brasil



Isabelle Opitz, Zurich, Switzerland



Rene Horsleben Petersen, Copenhagen, Denmark



Federico Raveglia, Monza, Italy



Enrico Ruffini, Torino, Italy



David Waller, London, UK



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## DAY 1: MONDAY APRIL 7 2025

### MODULE 1: INTRODUCTION

14.00-14.15 h **Welcome, intro and round of introductions**  
A. Bertani - L. Depypere - L. Rosso

14.15-14.30 h **ESTS School and UEBTS**  
A. Bertani

### MODULE 2: PERIOPERATIVE MANAGEMENT

14.30-14.45 h **Assessment and management of cardiac comorbidities**  
L. Rosso

14.45-15.00 h **Assessment and management of respiratory comorbidities**  
L. Depypere

15.00-15.15 h **Eras in thoracic surgery**  
A. Bertani

15.15-15.30 h **Management of patients requiring anticoagulation**  
L. Rosso

15.30-16.00 h Coffee break

### MODULE 3: CHEST TUBES AND AIR LEAKS

16.00-16.15 h **Intraoperative management and prevention of air leaks**  
L. Depypere

16.15-16.30 h **Non-surgical management of air leaks**  
L. Rosso

16.30-16.45 h **Indications and timing of re-operation**  
J. Furak

16.45-17.30 h **Chest tubes and air leaks-2025 update**  
R. Cerfolio [REMOTE]

17.30-18.00 h **Case discussions**  
J. Furak, L. Rosso, A. Bertani

19.30-21.00 h **Dinner with case presentations re: difficult cases**  
All faculty

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#### MODULE 4: COMPLICATIONS IN THORACIC SURGERY

- 8.30-8.45 h **Bleeding**  
I. Hanke
- 8.45-9.00 h **Infection. Empyema and sepsis**  
J. Furak
- 9.00-9.15 h **Cardiorespiratory complications**  
L. Rosso
- 9.15-10.00 h **Prevention of complications**  
H. Decaluwe [REMOTE]
- 10.00-10.30 h **Case discussion**  
I. Hanke - J. Furak - L. Rosso
- 10.30-11.00 h Coffee break

#### MODULE 5: INFECTIOUS DISEASES OF THORACIC INTEREST

- 11.00-11.30 h **Surgical techniques for the treatment of airway disease**  
K. Hoetzenecker [REMOTE]
- 11.30-11.45 h **Chronic suppurative lung disease**  
L. Rosso
- 11.45-12.15 h **Hydatid disease**  
S. Boubia [REMOTE]
- 12.15-12.45 h **The growing spectrum of TB and NTM**  
A. Mariani [REMOTE]
- 12.45-13.00 h **Fungal disease of the lung**  
A. Bertani
- 13.00-13.15 h **Lung abscess**  
I. Hanke
- 13.15-13.30 h **Case discussion**  
A. Bertani - L. Rosso - I. Hanke
- 13.30-14.30 h Lunch

#### MODULE 6: AIRWAY DISEASES

- 14.30-14.45 h **Non surgical management of airway disease**  
L. Depypere
- 14.45-15.00 h **Tracheostomy techniques**  
L. Rosso
- 15.00-15.15 h **Malignant airway disease**  
J. Furak
- 15.15-15.45 h **Case discussion**  
L. Depypere - J. Furak - L. Rosso
- 15.45-16.15 h Coffee break

#### MODULE 7: ESOPHAGEAL DISEASES

- 16.15-16.30 h **Benign esophageal disorders- 1 (gerd and hernias)**  
A. Bertani
- 16.30-16.45 h **Benign esophageal disorders-2 (motility)**  
L. Depypere
- 16.45-17.15 h **Esophageal cancer- diagnosis and staging**  
B. D'journo [REMOTE]
- 17.15-17.45 h **Esophageal cancer- multimodality treatment**  
H. Batirel [REMOTE]
- 17.45-18.00 h **Surgical treatment of esophageal cancer**  
A. Bertani
- 18.00-18.15 h **Case discussion**  
A. Bertani - L. Depypere
- 19.30-21.00 h **Dinner**

## MODULE 8: DISEASES OF THE MEDIASTINUM

- 8.30-8.45 h **Mediastinitis**  
I. Hanke
- 8.45-9.00 h **Esophageal leak**  
A. Bertani
- 9.00-9.15 h **Myasthenia gravis: surgeons point of view**  
L. Rosso
- 9.15-9.30 h **Diagnosis and treatment of diaphragmatic disorders**  
M. Rodríguez
- 9.30-10.00 h **Diagnosis and surgical management of hyperhidrosis**  
F. Raveglia [REMOTE]
- 10.00-10.15 h **Case discussion**  
A. Bertani - L. Rosso - I. Hanke
- 10.15-10.45 h Coffee break

## MODULE 9: THYMOMA AND MEDIASTINAL MALIGNANCIES

- 10.45-11.15h **Thymoma : definition and classification**  
E. Ruffini [REMOTE]
- 11.15-11.30 h **Neurogenic tumors**  
J. Furak
- 11.30-11.45 h **Non thymoma tumors of mediastinum**  
H. Schreurs
- 11.45-12.00 h **Surgery of thymoma and other mediastinal tumors**  
A. Bertani
- 12.00-12.30 h **Case discussion**  
A. Bertani - L. Rosso - H. Schreurs
- 12.30-13.30 h Lunch

## MODULE 10: PLEURAL DISEASES

- 13.30-13.45 h **Pneumothorax**  
H. Schreurs
- 13.45-14.00 h **Pleural effusion**  
A. Bertani
- 14.00-14.15 h **Mesothelioma: diagnosis and staging**  
M. Rodríguez
- 14.15-14.30 h **Other pleural tumors**  
I. Hanke
- 14.30-15.15 h **Surgical options for the treatment of mesothelioma**  
D. Waller [REMOTE]
- 15.15-15.30 h **Case discussion**  
H. Shreurs - I. Hanke - A. Bertani
- 15.30-16.00 h Coffee break

## MODULE 11: CHEST WALL DISEASES

- 16.00-16.15 h **Deformities of the chest**  
L. Rosso
- 16.15-16.30 h **Chest trauma**  
I. Hanke
- 16.30-16.45 h **Malignancies of the chest wall**  
J. Furak
- 16.45-17.30 h **Surgical chest wall reconstruction**  
A. Gonfiotti [REMOTE]
- 17.30-18.00 h **Case discussion**  
I. Rosso - I. Hanke - L. Depypere
- 19.30-21.00 h **Dinner with video presentations**

**MODULE 12: LUNG CANCER 1: DIAGNOSIS AND STAGING**

- 8.30- 8.45 h     **Classification of NSCLC**  
I. Hanke
- 8.45- 9.00 h     **Screening of lung cancer**  
A. Bertani
- 9.00- 9.15 h     **Diagnosis and profiling**  
H. Schreurs
- 9.15- 9.30 h     **Staging of NSCLC**  
M. Rodríguez
- 9.30- 09.45 h    **Principles of multimodal management**  
C. Aigner
- 9.45- 10.00 h    **Staging issues in locally advanced**  
I. Hanke
- 10.00- 10.30 h   **Case discussion**  
A. Bertani - I. Hanke - M. Rodríguez
- 10.30-11.00 h    Coffee break

**MODULE 13: LUNG CANCER 2 - EARLY STAGES**

- 11.00-11.15 h    **Standard resection techniques VATS/robotics**  
M. Rodríguez
- 11.15-11.30 h    **Lymphadenectomy-principles and technique**  
A. Bertani
- 11.30-11.45 h    **Sleeve resections - Airway and vascular**  
C. Aigner
- 11.45-12.00 h    **Alternative localized treatments**  
H. Schreurs
- 12.00-12.30 h    **Case discussion**  
A. Bertani- M. Rodríguez - H. Schreurs
- 12.30-13.30 h    Lunch

**MODULE 14: LUNG CANCER 3: ADVANCED STAGE**

- 13.30-14.00 h    **Sublobar resection**  
A. Brunelli [REMOTE]
- 14.00-14.30 h    **Management of ggo lesions**  
R. Petersen [REMOTE]
- 14.30-14.45 h    **Surgery in t4- airway and mediastinum**  
M. Rodríguez
- 14.45-15.30 h    **Surgery after neoadjuvant chemo / immuno**  
T. D'Amico [REMOTE]
- 15.30-15.45 h    **Surgery for chest wall and vertebral invasion**  
C. Aigner
- 15.45-16.00 h    **Surgical management of stage IV disease**  
H. Schreurs
- 16.00-16.15 h    **Lung metastases from other malignancies**  
A. Bertani
- 16.15-16.30 h    **Case discussion**  
A. Bertani - C. Aigner - H. Schreurs

**MODULE 15: OTHER TUMORS OF THE LUNG**

8.30-8.45 h **Benign and rare tumors**  
C. Aigner

8.45-9.00 h **SCLC**  
N. Novoa

9.00-9.15 h **Pediatric tumors**  
A. Bertani

10.30-11.00 h Coffee break

11.00-11.45 h **Current trends in lung transplantation**  
L. Ceulemans [REMOTE]

11.45-12.00 h **Case discussion**  
A. Bertani - N. Novoa

12.00-13.00 h **Honorary lecture**  
N. Novoa

**MODULE 16: END STAGE RESPIRATORY FAILURE**

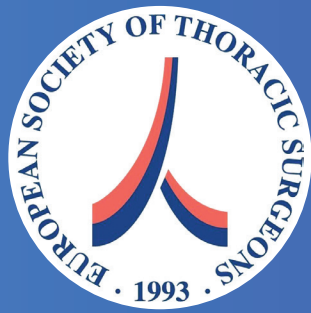
9.15-9.30 h **End-stage respiratory disease and the surgeon**  
A. Bertani

9.30-9.45 h **Use of ECMO in thoracic surgery**  
C. Aigner

9.45-10.30 h **Surgical treatment of PAH**  
I. Opitz [REMOTE]

13.00-14.00 h Lunch

14.00-16.00 h **ESTS Grand Prix**  
All Faculty



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