



ESTS SCHOOL

ESTS
SCHOOL OF
THORACIC
SURGERY

KNOWLEDGE TRACK COURSE

28 March – 1 April 2022

Lindner Hotel Prague Castle, Prague



CME accreditation for this event has been approved by EACCME®

Course Organiser:

Nuria Novoa, Salamanca, Spain

ESTS Director of Education

and Knowledge Track Course Coordinator

INFORMATION & REGISTRATION: www.ests.org

FACULTY

On site



Clemens Aigner, Essen, Germany



Hasan Batirel, Istanbul, Turkey
ESTS Secretary General



Alessandro Brunelli, Leeds, UK
ESTS President



Xavier B. D'Journo, Marseille, France



Nuria Novoa, Salamanca, Spain
ESTS Director of Education



Cecilia Pompili, Verona, Italy



Enrico Ruffini, Torino, Italy
ESTS Past President

Webinar



Tim Batchelor, Bristol, UK



Gaetano Rocco, New York, USA
ESTS Past President and Past Editor



Paul Van Schil, Antwerp, Belgium

Virtual faculty



Hale Basak Caglar, Istanbul, Turkey



Laura Donahoe, Toronto, Canada



Rene Horsleben Petersen, Copenhagen, Denmark
Director of the Annual Meeting



Walter Kepletko, Vienna, Austria



Gilbert Massard, Luxembourg, Luxembourg
ESTS Past Past President



Paula Moreno, Cordoba, Spain



Isabelle Opitz, Zurich, Switzerland
ESTS Treasurer and President Elect



Alan D. Sihoe, Hong Kong
Hong Kong S.A.R, China.



David Waller, London, United Kingdom



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ESTS SCHOOL OF THORACIC SURGERY - KNOWLEDGE TRACK COURSE

28 March – 1 April 2022 · Prague, Czech Republic



DAY 1: MONDAY 28 MARCH 2022

MODULE 1: INTRODUCTION

13.30-14.00 h **Welcome, opening remarks, presentation round**

H. Batirel

14.00-14.15 h **ESTS school**

N. Novoa

14.15-14.30 h **The EBTS certification process**

N. Novoa

16.00-17.00 h

WEBINAR

Enhanced Recovery After Surgery

Tim Batchelor

17.00-18.00 h

Case discussion on perioperative management

All faculty

18.30-19.00 h

Welcome reception at the hotel

19.00 h

Interactive dinner

Possibility of attendees presenting cases: Free topic, structured presentation. Maximum 10 minutes for each case

MODULE 2: PERI AND POSTOPERATIVE MANAGEMENT

14.30-14.45 h **Preoperative functional evaluation**

C. Pompili

14.45-15.00 h **Chest tube management**

N. Novoa

15.00-15.15 h **Anticoagulants, antiplatelet and stents**

H. Batirel

15.15-15.30 h **Perioperative physiotherapy**

N. Novoa

15.30-16.00 h Coffee break

ESTS
SCHOOL OF
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SURGERY



KNOWLEDGE TRACK COURSE

ESTS SCHOOL OF THORACIC SURGERY - KNOWLEDGE TRACK COURSE

28 March – 1 April 2022 · Lindner Hotel Prague Castle, Prague

DAY 2: TUESDAY 29 MARCH 2022

MODULE 3: WHAT TO DO WHEN THINGS GO WRONG?

- 8.30-8.50 h **Management of prolonged air-leak**
C. Pompili
- 8.50-9.10 h **Management of postoperative empyema**
N. Novoa
- 9.10-9.30 h **Management of postoperative bleeding**
A. D. Sihoe (pre-recorded)
- 9.30-9.45 h **Management of cardiac complications after surgery**
C. Pompili
- 9.45-10.00 h **Management of unusual lung complications after resection**
H. Batirel
- 10.00-10.30 h **Case discussion on postoperative complications**
All Faculty
- 10.30-11.00 h Coffee break

MODULE 4: INFECTIOUS DISEASES OF THE LUNG

- 11.00-11.15 h **Hygiene protocols in the ward**
N. Novoa
- 11.15-11.30 h **Bronchiectasis**
C. Pompili
- 11.30-11.45 h **Hydatid disease**
H. Batirel

- 11.45-12.00 h **Aspergilloma & fungal diseases**
N. Novoa
- 12.00-12.15 h **Lung abscess and lung gangrene**
H. Batirel
- 12.15-12.30 h **TB and destroyed lung**
C. Pompili
- 12.30-13.30 h Lunch

MODULE 5: TRACHEA AND AIRWAYS PATHOLOGY

- 13.30-13.45 h **Surgical anatomy of major airways**
C. Aigner
- 13.45-14.00 h **Tumors of trachea and large airways**
W. Kepletko (pre-recorded)
- 14.00-14.15 h **Surgical treatment of tracheal inflammatory stenosis**
C. Aigner
- 14.15-14.30 h **Non-surgical treatment of tracheal stenosis: Stenting, T-Tubes**
N. Novoa
- 14.30-14.45 h **Tracheoesophageal fistula**
H. Batirel
- 14.45-15.00 h **Tracheostomy and mini-tracheostomy**
C. Pompili
- 15.00-15.30 h Coffee break



KNOWLEDGE TRACK COURSE

ESTS SCHOOL OF THORACIC SURGERY - KNOWLEDGE TRACK COURSE

28 March – 1 April 2022 · Lindner Hotel Prague Castle, Prague



DAY 2: TUESDAY 29 MARCH 2022

MODULE 6: CHEST WALL PATHOLOGY

- 15.30-15.50 h **Tumors of the chest wall and their treatment**
C. Aigner
- 15.50-16.50 h **WEBINAR**
Principles of chest wall reconstruction
G. Rocco
- 16.50-17.10 h **Congenital deformities of the chest wall**
N. Novoa
- 17.10-17.25 h **Thoracic outlet syndrome**
C. Aigner
- 17.25-17.45 h **Chest wall trauma**
C. Pompili
- 17.45-18.00 h **Pros and cons of chest wall stabilization after trauma**
G. Massard (pre-recorded)
- 18.00-18.15 h **Traumatic rupture of the diaphragm**
N. Novoa
- 18.15 h **Time for questions**
All faculty
- 19.00 h **Dinner**

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KNOWLEDGE TRACK COURSE

ESTS SCHOOL OF THORACIC SURGERY - KNOWLEDGE TRACK COURSE

28 March – 1 April 2022 · Lindner Hotel Prague Castle, Prague

DAY 3: WEDNESDAY 30 MARCH 2022

MODULE 7: LUNG CANCER- DIAGNOSIS AND STAGING

- 8.30-8.45 h **Incidence and screening of NSCLC**
C. Pompili
- 8.45-9.00 h **TNM 8^o classification and prognosis**
E. Ruffini
- 9.00-9.15 h **The process of diagnosis and staging**
N. Novoa
- 9.15-9.30 h **Invasive mediastinal staging: when and how**
E. Ruffini
- 9.30-10.00 h **Case discussion of NSCLC staging**
All Faculty
- 10.00-10.30 h Coffee break

MODULE 8: LUNG CANCER: BASICS OF TREATMENT

- 11.00-11.15 h **Principles of treatment of lung cancer**
N. Novoa
- 11.15-11.30 h **Patient selection for VATS/uniportal major resection**
H. Batirel
- 11.30-11.50 h **The perfect systematic lymphadenectomy (technique -video based-)**
C. Aigner
- 11.50-12.10 h **Parenchyma saving procedures 1: sublobar resections**
C. Aigner

12.10-12.30 h **Parenchyma saving procedures 2: sleeve resections**
N. Novoa

12.30-12.45 h **Surgical strategy for solid and GGO pulmonary nodules**
R. Horsleben Petersen (pre-recorded)

12.45-13.00 h **SBRT and tumour ablation**
H. Basak Caglar (pre-recorded)

13.00-14.00 h Lunch

MODULE 9: LUNG CANCER – ADVANCED DISEASE

13.45-14.30 h **Extended resections: Indications and results in mediastinal invasion**
N. Novoa

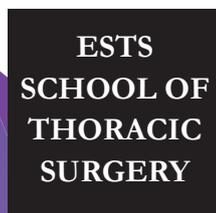
Indications and results in chest wall/ vertebral invasion
H. Batirel

Indications and results in airway invasion
C. Aigner

14.30-14.45 h **Combined modality strategies**
E. Ruffini

14.45-15.45 h **WEBINAR Target therapies and immunotherapy**
P. Van Schil

15.45-16.15 h Coffee break





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ESTS SCHOOL OF THORACIC SURGERY - KNOWLEDGE TRACK COURSE

28 March – 1 April 2022 · Lindner Hotel Prague Castle, Prague



DAY 3: WEDNESDAY 30 MARCH 2022

MODULE 10: LUNG CANCER: DIFFICULT SCENARIOS

- 16.15-16.30 h **Multiple metacronous primary tumors: staging and treatment strategies**
H. Batirel
- 16.30-14.45 h **Stage IV: Oligometastatic disease. Definitions and treatment**
N.Novoa
- 16.45-17.00 h **Lung metastases**
E. Ruffini (pre-recorded)

MODULE 11: RARE LUNG TUMORS

- 17.00-17.15 h **Neuroendocrine tumors**
C.Aigner
- 17.15-17.30 h **Benign tumors of the lung**
E. Ruffini (pre-recorded)
- 17.30 h **Case Discussion of NSCLC**
All faculty
- 21.00 h **Oscar night**
Attendees will present videos after dinner

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SURGERY



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ESTS SCHOOL OF THORACIC SURGERY - KNOWLEDGE TRACK COURSE

28 March – 1 April 2022 · Lindner Hotel Prague Castle, Prague

DAY 4: THURSDAY 31 MARCH 2022

MODULE 12: MEDIASTINUM_ BENIGN DISEASE

- 8.30-8.45 h **Mediastinitis**
N. Novoa
- 8.45-9.00 h **Esophageal leak and rupture: diagnosis and treatment**
X. B. D'Journo
- 9.00-9.15 h **Diagnosis and management of chylothorax**
N. Novoa
- 9.15-9.30 h **Hyperhidrosis and the sympathetic chain**
X. D'Journo

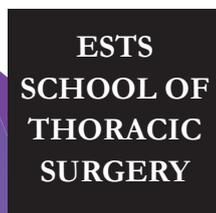
MODULE 13: TUMORAL PATHOLOGY OF THE MEDIASTINUM

- 9.30-9.45 h **Thymoma: WHO and Masaoka staging**
E. Ruffini
- 9.45-10.00 **Indications for upfront surgery vs multimodality treatment**
E. Ruffini
- 10.00-10.15 h **Extended resections**
E. Ruffini
- 10.15-10.45 h Coffee break
- 10.45-11.00 h **Neurogenic tumors**
N. Novoa
- 11.00-11.15 h **Germ cell tumors of the mediastinum**
L. Donahoe (pre-recorded)

- 11.15-11.30 h **Hyperparathyroidism**
N. Novoa

MODULE 14: ESOPHAGEAL SURGICAL PATHOLOGY

- 11.30-11.45 h **Surgical anatomy of the esophagus**
N. Novoa
- 11.45-12.00 h **GERD, hernia and short esophagus**
X. B. D'Journo
- 12.00-12.15 h **Benign disorders: motility and diverticula**
X. B. D'Journo
- 12.15-12.30 h **Essentials of esophageal cancer including staging**
X. B. D'Journo
- 12.30-12.45 h **Principles of surgical treatment in esophageal cancer**
X. B. D'Journo
- 12.45-13.45 h Lunch





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DAY 5: FRIDAY 1 APRIL 2022

MODULE 15: PLEURAL DISEASES

8.30-8.45 h	Pneumothorax : primary and secondary N. Novoa	11.30-11.45 h	Medical and surgical treatment of pulmonary hypertension P. Moreno (pre-recorded)
8.45-9.00 h	Catamenial pneumothorax P. Moreno (pre-recorded)	11.45-12.00 h	Invasive management of emphysema D. Waller
9.00-9.15 h	Management of benign pleural effusion E. Ruffini (pre-recorded)	12.00-12.15 h	Essentials of ECMO P. Moreno (pre-recorded)
9.15-9.30 h	Management of malignant pleural effusion A. Brunelli	12.15-12.45 h	Principles of lung transplantation P. Moreno (pre-recorded)
9.30-9.45 h	Management of residual pleural space N. Novoa	12.45-13.45 h	Lunch
9.45-10.00 h	Pleural tumours: mesothelioma I.Opitz (pre-recorded)		
10.00-10.15 h	Other pleural tumours P. Moreno (pre-recorded)		
10.15-10.30 h	Case Discussion of Pleural Pathology All faculty		
10.30-11.00 h	Coffee break		

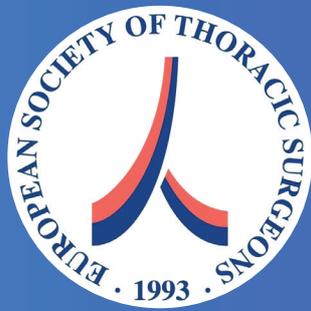
MODULE 17: PEDIATRIC THORACIC SURGERY

13.45-14.00 h	Embryology & congenital diseases of the lung: Brief summary and frequent cases N.Novoa
14.00-14.30 h	Honorary lecture ESTS President Dr. Alessandro Brunelli
14.30-15.45 h	ESTS Grand Prix All faculty/ Participants
15.45 h	Feedback and farewell

MODULE 16: RESPIRATORY FAILURE

11.00-11.15 h	Idiopathic pulmonary fibrosis N.Novoa
11.15-11.30 h	Diagnosis and classification of pulmonary hypertension P. Moreno (pre-recorded)

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