



ESTS SCHOOL

**ESTS
SCHOOL OF
THORACIC
SURGERY**

KNOWLEDGE TRACK COURSE

28 March – 1 April 2022

Prague, Czech Republic

An application has been made to the EACCME® for CME accreditation of this event

Course Organisers:
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



Paula Moreno, Cordoba, Spain



Nuria Novoa, Salamanca, Spain
ESTS Director of Education



Cecilia Pompili, Verona, Italy



Enrico Ruffini, Torino, Italy
ESTS Past President

Virtual faculty



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



Rene Petersen, Copenhagen, Denmark
ESTS Director



Gilbert Massard, Luxembourg, Luxembourg
ESTS Past Past President



Walter Kepletko, Vienna, Austria



Laura Donahoe, Toronto, Canada



Isabelle Opitz, Zurich, Switzerland
ESTS Treasurer and President Elect



Hale Basak Caglar, Istanbul, Turkey

Webinar



Tim Batchelor, Bristol, UK



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



Paul Van Schil, Antwerp, Belgium



KNOWLEDGE TRACK COURSE

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
THORACIC
SURGERY

KNOWLEDGE TRACK COURSE

ESTS SCHOOL OF THORACIC SURGERY - KNOWLEDGE TRACK COURSE

28 March – 1 April 2022 · Prague, Czech Republic

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 · Prague, Czech Republic

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**

KNOWLEDGE TRACK COURSE

ESTS SCHOOL OF THORACIC SURGERY - KNOWLEDGE TRACK COURSE

28 March – 1 April 2022 · Prague, Czech Republic

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. 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



KNOWLEDGE TRACK COURSE

ESTS SCHOOL OF THORACIC SURGERY - KNOWLEDGE TRACK COURSE

28 March – 1 April 2022 · Prague, Czech Republic

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

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

17.30 h **Case Discussion of NSCLC**

All faculty

21.00 h **Oscar night**

Attendees will present videos after dinner

KNOWLEDGE TRACK COURSE

ESTS SCHOOL OF THORACIC SURGERY - KNOWLEDGE TRACK COURSE

28 March – 1 April 2022 · Prague, Czech Republic

DAY 4: THURSDAY 31 MARCH 2022

MODULE 12: MEDIASTINUM_ BENING 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

KNOWLEDGE TRACK COURSE

ESTS SCHOOL OF THORACIC SURGERY - KNOWLEDGE TRACK COURSE

28 March – 1 April 2022 · Prague, Czech Republic

DAY 5: FRIDAY 1 APRIL 2022

MODULE 15: PLEURAL DISEASES

8.30-8.45 h **Pneumothorax : primary and secondary**

N. Novoa

8.45-9.00 h **Catamenial pneumothorax**

P. Moreno

9.00-9.15 h **Management of benign pleural effusion**

E. Ruffini

9.15-9.30 h **Management of malignant pleural effusion**

A. Brunelli

9.30-9.45 h **Management of residual pleural space**

N. Novoa

9.45-10.00 h **Pleural tumours: mesothelioma**

I. Opitz (pre-recorded)

10.00-10.15 h **Other pleural tumours**

P. Moreno

10.15-10.30 h **Case Discussion of Pleural Pathology**

All faculty

10.30-11.00 h Coffee break

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

11.30-11.45 h **Medical and surgical treatment of pulmonary hypertension**

P. Moreno

11.45-12.00 h **Invasive management of emphysema**

A. Brunelli

12.00-12.15 h **Essentials of ECMO**

P. Moreno

12.15-12.45 h **Principles of lung transplantation**

P. Moreno

12.45-13.45 h Lunch

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



www.ests.org