



ESTS SCHOOL

ESTS
SCHOOL OF
THORACIC
SURGERY

KNOWLEDGE TRACK COURSE

20-24 March 2023

Lindner Hotel Prague Castle, Prague



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

Course Organiser:
Nuria Novoa, Salamanca, Spain
ESTS Director of Education
and Knowledge Track Course Coordinator

INFORMATION & REGISTRATION: www.ests.org

On site faculty



Clemens Aigner, Essen, Germany



Servet Bolukbas, Essen, Germany



Xavier B. D'Journo, Marseille, France



Ivo Hanke, Hradec Králové, Czech Republic



Nuria Novoa, Salamanca, Spain



Isabelle Opitz, Zurich, Switzerland



Lorenzo Rosso, Milano, Italy



Mette Siemsen, Copenhagen, Denmark

Webinar



Alessandro Brunelli, Leeds, UK



Michel Gonzalez, Lausanne, Switzerland



Jose Ribas de Campos, Sao Paulo, Brazil

Virtual faculty



Hale Basak Caglar, Istanbul, Turkey



Hasan Batirel, Istanbul, Turkey



Souheil Boubia, Casablanca, Morocco



Hiroshi Date, Kyoto, Japan



Enriqueta Felip, Barcelona, Spain



Rene Horsleben Petersen, Copenhagen, Denmark



Konrad Hoetzenecker, Vienna, Austria



Paula Moreno, Cordoba, Spain



Ramón Rami-Porta, Barcelona, Spain



Enrico Ruffini, Torino, Italy



Alan Sihoe, Hong Kong, China



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DAY 1: MONDAY 20 MARCH 2023

MODULE 1: INTRODUCTION

- 13.30-14.00 h **Welcome, opening remarks, presentation round**
N. Novoa
- 14.00-14.15 h **ESTS school**
N. Novoa
- 14.15-14.30 h **The EBTS certification process**
N. Novoa

MODULE 2: PERIOPERATIVE MANAGEMENT

- 14.30-14.45 h **Comorbidity, fragility and disability**
L. Rosso
- 14.45-15.00 h **Chest tube management**
N. Novoa
- 15.00-15.15 h **Anticoagulants, antiplatelet and stents**
L. Rosso
- 15.15-15.30 h **Perioperative physiotherapy**
N. Novoa
- 15.30-16.00 h Coffee break

MODULE 2-2: WEBINAR 1

- 16.00-17.00 h **Preoperative functional evaluation**
A. Brunelli [VIRTUAL]
- 17.00-18.00 h **Case discussion on perioperative management**
L. Rosso / N. Novoa
- 18.30 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

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DAY 2: TUESDAY 21 MARCH 2023

MODULE 3: WHAT TO DO WHEN THINGS GO WRONG?

- 8.30-8.50 h **Management of prolonged air-leak**
L. Rosso
- 8.50-9.10 h **Management of postoperative empyema**
N. Novoa
- 9.10-9.30 h **Management of intra-postoperative bleeding**
A. Sihoe [VIRTUAL]
- 9.30-9.50 h **Management of perioperative cardiac complications**
L. Rosso
- 9.50-10.30 h **Case discussion**
L. Rosso/N. Novoa
- 10.30-11.00 h Coffee break

MODULE 4: INFECTIOUS DISEASES OF THE LUNG

- 11.00-11.20 h **Bronchiectasis and Pneumonia**
L. Rosso
- 11.20-11.40 h **Lung abscess and lung gangrene**
S. Boubia [VIRTUAL]
- 11.40-12.00 h **Hydatid disease**
S. Boubia [VIRTUAL]
- 12.00-12.20 h **Aspergilloma and fungal diseases**
N. Novoa
- 12.20-12.40 h **TB and destroyed lung**
L. Rosso
- 13.00-14.00 h Lunch

MODULE 5: AIRWAYS PATHOLOGY

- 14.00-14.15 h **Surgical anatomy of the airways**
C. Aigner
- 14.15-14.35 h **Tumors of the large airways**
K. Hoetzenecker [VIRTUAL]
- 14.35-14.50 h **Surgical treatment of inflammatory stenosis**
C. Aigner
- 14.50-15.05 h **Non-surgical treatment of inflammatory stenosis**
C. Aigner
- 15.05-15.15 h **Tracheo-esophageal fistula (adults and children)**
N. Novoa
- 15.15-15.30 h **Tracheostomy and mini-tracheostomy**
N. Novoa
- 15.30-16.00 h **Case discussion**
C. Aigner/N. Novoa
- 16.00-16.30 h Coffee break

MODULE 6: CHEST WALL PATHOLOGY

- 16.30-16.45 h **Tumors of the chest wall and their treatment**
M. Siemsen
- 16.45-17.00 h **Principles of chest wall reconstruction**
N. Novoa
- 17.00-17.15 h **Chest wall trauma**
C. Aigner
- 17.15-17.30 h **Pros and cons of chest wall trauma stabilization**
J. Ribas de Campos [VIRTUAL]



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DAY 2: TUESDAY 29 MARCH 2022

MODULE 6-2: WEBINAR 2

17.30-18.30 h **Congenital deformities of the chest wall**

J. Ribas de Campos [VIRTUAL]

19.30 h **Dinner**

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DAY 3: WEDNESDAY 22 MARCH 2023

MODULE 7: LUNG CANCER- DIAGNOSIS AND STAGING

- 8.30-8.45 h **Incidence and screening of NSCLC**
M. Siemsen
- 8.45-9.00 h **TNM 8^o classification and prognosis**
C. Aigner
- 9.00-9.15 h **The process of diagnosis and staging**
N. Novoa
- 9.15-9.35 h **Invasive mediastinal staging**
R. Rami-Porta [VIRTUAL]

MODULE 8: LUNG CANCER: EARLY STAGE TREATMENT

- 9.35-9.45 h **Principles of surgical treatment**
N. Novoa
- 9.45-10.00 h **Surgical strategy for solid and GGO nodules**
M. Siemsen
- 10.00-10.25 h **Parenchyma saving procedures: Sleeve resections**
H. Date [VIRTUAL]
- 10.25-10.40 h **Parenchyma saving procedures: Sublobar resections**
C. Aigner
- 10.40-10.50 h **The perfect systematic lymphadenectomy (technical video-based)**
C. Aigner
- 10.50-11.00 h **SBRT and alternative treatments**
H. Basak Caglar [VIRTUAL]
- 11.00-11.30 h Coffee break

MODULE 9: LUNG CANCER: ADVANCED STAGE TREATMENT

- 11.30-11.50 h **Chemotherapy, target therapy and immunotherapy**
E. Felip [VIRTUAL]
- 11.50-12.05 h **Extended resections. Mediastinal invasion**
N. Novoa
- 12.05-12.20 h **Extended resections. Chest wall and vertebral invasion**
M. Siemsen
- 12.20 - 12.35 h **Extended resections. Airway invasion**
C. Aigner
- 12.35 -12.50 h **Combined modalities strategies**
M. Siemsen
- 12.50 -13.00 h **Surgical treatment of stage IV**
N. Novoa
- 13.00-14.00 h Lunch

MODULE 10: WEBINAR 3

- 14.00-15.00 h **Lung metastases**
M. González [VIRTUAL]

MODULE 11: UNCOMMON TUMORS OF THE LUNG

- 15.00-15.15 h **Benign tumors of the lung**
M. Siemsen
- 15.15-15.30 h **Rare tumors of the lung**
N. Novoa
- 15.30-15.45 h **Neuroendocrine tumors**
C. Aigner



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DAY 3: WEDNESDAY 22 MARCH 2023

15.45-16.05 h **Wedge resections vs Anatomical segmentectomy**

R. Horsleben Petersen [VIRTUAL]

16.05-16.30 h Coffee break

MODULE 12: LUNG CANCER: DIFFICULT SCENARIOS

16.30-17.30 h **Case discussion**

C. Aigner/N. Novoa/M. Siemsen

19.00 h

Dinner. Oscar night

Attendees will present videos after dinner

Discussion

I. Hanke, ESTS Regent for Czech Republic

All Faculty

All Participants

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DAY 4: THURSDAY 23 MARCH 2023

MODULE 13: MEDIASTINUM_ BENIGN DISEASE

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

MODULE 14: TUMORAL PATHOLOGY OF THE MEDIASTINUM

- 9.30-9.45 h **Thymoma classification: Masaoka and WHO**
E. Ruffini [VIRTUAL]
- 9.45-10.00 h **Indications for upfront surgery vs multimodality treatment**
E. Ruffini [VIRTUAL]
- 10.00-10.15 h **Extended resections of thymic tumors**
S. Bolukbas
- 10.15-10.30 h **Neurogenic tumors**
N. Novoa
- 10.30-11.00 h Coffee break

MODULE 15: SURGICAL PATHOLOGY OF THE ESOPHAGUS

- 11.10-11.20 h **Surgical anatomy of the esophagus**
H. Batirel [VIRTUAL]
- 11.20-11.35 h **GERD, hernia and short esophagus**
X. D'Journo
- 11.35-11.50 h **Benign disorders: motility and diverticula**
X. D'Journo
- 11.50-12.10 h **Essentials of esophageal cancer (staging)**
H. Batirel [VIRTUAL]
- 12.10-12.25 h **Principles of surgical treatment in esophageal cancer**
X. D'Journo
- 12.25-12.45 h **Multimodality treatment**
H. Batirel [VIRTUAL]
- 12.45-13.30 h Lunch



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DAY 5: FRIDAY 24 MARCH 2023

MODULE 16: PLEURAL DISEASES

- 8.30-8.45 h **Primary and secondary Pneumothorax**
X. D'Journo
- 8.45-9.00 h **Catamenial pneumothorax**
S. Bolukbas
- 9.00-9.15 h **Management of benign pleural effusion**
X. D'Journo
- 9.15-9.30 h **Management of malignant pleural effusion**
S. Bolukbas
- 9.30-10.00 h **Mesothelioma**
I. Opitz
- 10.00-10.15 h **Other pleural tumours**
S. Bolukbas
- 10.15-10.30 h **Case Discussion**
S. Bolukbas/ X. D'Journo/ N. Novoa/ I. Opitz
- 10.30-11.00 h Coffee break

MODULE 17: RESPIRATORY INSUFFICIENCY

- 11.00-11.15 h **Diagnosis and classification of pulmonary hypertension**
P. Moreno [VIRTUAL]
- 11.15-11.30 h **Medical and surgical treatment of pulmonary hypertension**
P. Moreno [VIRTUAL]
- 11.30-11.45 h **Invasive management of emphysema**
I. Opitz

- 11.45-12.00 h **Essentials of ECMO**
S. Bolukbas
- 12.00-12.30 h **Principles of lung transplantation**
I. Opitz
- 12.30-13.30 h Lunch

MODULE 18: CONGENITAL/PEDIATRIC THORACIC PATHOLOGY

- 13.30-14.00 h **Congenital diseases of the thorax**
S. Bolukbas
- 14.00-14.30 h **Honorary lecture**
ESTS President Dr. I. Opitz
- 14.30-16.00 h **ESTS Grand Prix**

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