



ESTS SCHOOL

ESTS
SCHOOL OF
THORACIC
SURGERY

KNOWLEDGE TRACK COURSE

18 -22 March 2024

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:

Nuria Novoa, Madrid, Spain
President Elect
ESTS Director of Education
and Knowledge Track Course Coordinator

INFORMATION & REGISTRATION: www.ests.org

On site faculty



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Dirk De Ruyscher, Leuven, Belgium



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Nuria Novoa, Madrid, Spain



Ramón Rami-Porta, Barcelona, Spain



Lorenzo Rosso, Milano, Italy



Mette Siemsen, Copenhagen, Denmark

Webinar



B. Laksáfoss Holbek, Copenhagen, Denmark



Pieter Jan van Huijstee, The Hague, The Netherlands



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Virtual faculty



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KNOWLEDGE TRACK COURSE

ESTS SCHOOL OF THORACIC SURGERY - KNOWLEDGE TRACK COURSE

18 -22 March 2024 · Lindner Hotel Prague Castle, Prague, Czech Republic



DAY 1: MONDAY 18 MARCH 2024

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**
M. Ferguson [VIRTUAL]
- 14.45-15.00 h **Preoperative functional evaluation**
N. Novoa
- 15.00-15.15 h **Anticoagulants, antiplatelet and stents**
L. Rosso
- 15.15-15.30 h **Perioperative physiotherapy**
D. Langer [VIRTUAL]
- 15.30-16.00 h Coffee break

MODULE 2-2: WEBINAR 1

- 16.00-17.00 h **Chest tube management: air leak, lung entrapment, digital systems, suction**
B. Laksáfoss Holbek [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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MODULE 3: WHAT TO DO WHEN THINGS GO WRONG?

- 8.30-8.50 h **Management of postoperative respiratory insufficiency**
L. Rosso
- 8.50-9.10 h **Management of postoperative empyema**
N. Novoa
- 9.10-9.30 h **Management of intra-postoperative bleeding**
I. Hanke
- 9.30-9.50 h **Management of perioperative cardiac complications**
L. Rosso
- 9.50-10.30 h **Case discussion**
L. Rosso/ N. Novoa / I. Hanke
- 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
- 12:40 - 13:00 **Case discussion**
L. Rosso/I. Hanke/N.Novoa
- 13.00-14.00 h Lunch

MODULE 5: AIRWAYS PATHOLOGY

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

- 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**
I. Hanke
- 16.45-17.00 h **Principles of chest wall reconstruction**
G. Rocco [VIRTUAL]
- 17.00-17.15 h **Chest wall trauma**
I. Hanke
- 17.15-17.30 h **Congenital deformities of the chest wall**
H. Van Veer [VIRTUAL]

MODULE 6-2: WEBINAR 2

- 17.30-18.30 h **Pros and cons of chest wall trauma stabilization**
P. Van Huijstee [VIRTUAL]
- 19.30 h **Dinner**

MODULE 7: MEDIASTINUM: BENIGN DISEASE

- 8.30-8.45 h **Mediastinitis**
I. Hanke
- 8.45-9.00 h **Esophageal leak and rupture. Diagnosis and treatment**
M. Siemsen
- 9.00-9.15 h **Diagnosis and treatment of chylothorax**
N. Novoa
- 9.15-9.30 h **Hyperhidrosis and the sympathetic chain**
C. Aigner

MODULE 8: TUMORAL PATHOLOGY OF THE MEDIASTINUM

- 9.30-9.45 h **Thymoma classification. Masaoka and WHO**
A. Bertani
- 9.45-10.00 h **Indications for upfront surgery vs multimodal treatment**
F. Guerrero [VIRTUAL]
- 10.00-10.15 h **Extended resections of thymic tumors**
C. Aigner
- 10.15-10.30 h **Neurogenic tumors**
N. Novoa
- 10.30-11.00 h Coffee break

MODULE 9: SURGICAL PATHOLOGY OF THE ESOPHAGUS

- 11.00-11.20 h **Surgical anatomy of the esophagus**
M. Siemsen
- 11.20-11.35 h **GERD, hernia and short esophagus**
A. Bertani
- 11.35-11.50 h **Benign disorders. Motility and diverticula**
X. D'Journo [VIRTUAL]
- 11.50-12.10 h **Essentials of esophageal cancer (staging)**
M. Siemsen

- 12.10-12.25 h **Principles of surgical treatment for esophageal cancer**
M. Siemsen

- 12.25 -12.45 h **Multimodality treatment**
A. Bertani

- 13.00-14.00 h Lunch

MODULE 10: PLEURAL DISEASES

- 14.00 -14.10 h **Primary and secondary pneumothorax**
N. Novoa

- 14.10-14.20 h **Catamenial pneumothorax**
C. Aigner

- 14.20-14.30 h **Management of benign pleural effusion**
A. Bertani

- 14.30-14.40 h **Management of malignant pleural effusion**
N. Novoa

- 14.40-14.50 h **Other pleural tumors**
C. Aigner

- 14.50-15.00 h **Case discussion**
All faculty

- 15.00-15.30 h Coffee break

MODULE 10-2: WEBINAR 3

- 16.00-17.00 **Mesothelioma**
D. Waller [VIRTUAL]

- 19.30 h **Dinner with case presentations**

MODULE 11: LUNG CANCER: DIAGNOSIS AND STAGING

- 8.30-8.45 h **Incidence and screening of NSCLC**
A. Bertani
- 8.45-9.00 h **TNM 9^o classification and prognosis**
J. Furak
- 9.00-9.15 h **The process of diagnosis and staging**
M. Siemsen
- 9.15-9.35 h **Invasive mediastinal staging**
R. Rami Porta

MODULE 12: LUNG CANCER: EARLY STAGE TREATMENT

- 9.35-9.45 h **Principles of surgical treatment**
M. Siemsen
- 9.45-10.00 h **Surgical strategy for solid and GGO nodules**
R. Horsleben Petersen [VIRTUAL]
- 10.00-10.25 h **Parenchyma saving procedures: Sleeve resections**
C. Aigner
- 10.25-10.40 h **Parenchyma saving procedures: Sublobar resections**
A. Bertani
- 10.40-10.50 h **The perfect systematic lymphadenectomy (technical video-based)**
D. Healy [VIRTUAL]
- 10.50-11.10 h **SBRT and alternative treatments**
D. de Ruyscher
- 11.10-11.30 h Coffee break

MODULE 13: LUNG CANCER: ADVANCED STAGE TREATMENT

- 11.30-11.50 h **Chemotherapy, Target therapy and Immunotherapy**
M. Prudencio [VIRTUAL]
- 11.50-12.05 h **Extended resections: mediastinal invasion**
N. Novoa
- 12.05-12.20 h **Extended resections: chest wall and vertebral invasion**
C. Aigner
- 12.20-12.35 h **Extended resections: airway invasion**
A. Bertani
- 12.35-12.50 h **Combined modalities strategies**
J. Furak
- 12.50-13.00 h **Surgical treatment of stage IV**
N. Novoa
- 13.00-14.00 h Lunch
- 14:00-14:20 h **Lung metastases**
A. Bertani
- 14:20-14:40 h **Preoperative nutritional evaluation for lung resection**
N. Novoa
- 14:40-15:40 h **Case discussion**
Difficult scenarios:
Central cancer with marginal physiology
BILATERAL LESIONS
• Marginal resectability
• N1 positive
• N2 positive single station
All faculty
- 15:40-16:00 h **Summary**
N. Novoa

MODULE 14: UNCOMMON TUMORS OF THE LUNG

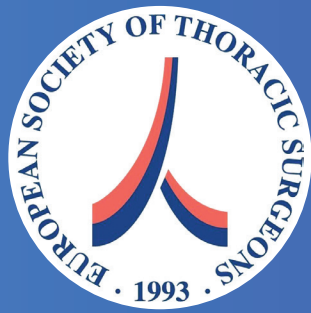
- 8.30-8.45 h **Benign tumors of the lung**
J. Furak
- 8.45-9.00 h **Rare tumors of the lung**
C. Aigner
- 9.00-9.15 h **Neuroendocrine tumors**
J. Furak
- 9.15-9.30 h **Case discussion**
J. Furak / C. Aigner / N. Novoa

MODULE 15: RESPIRATORY INSUFFICIENCY

- 9.30-9.45 h **Diagnosis and classification of pulmonary hypertension**
C. Aigner
- 9.45-10.00 h **Medical and surgical treatment of pulmonary hypertension**
C. Aigner
- 10.00- 10.25 h **Invasive management of emphysema**
D. Gómez de Antonio [VIRTUAL]
- 10.25-10.40 h **Essentials of ECMO**
K. Degezelle [VIRTUAL]
- 10.40-11.00 h **Principles of lung transplantation**
L. Ceulemans [VIRTUAL]
- 11.00-11.30 h Coffee break

MODULE 16: CONGENITAL/PEDIATRIC THORACIC PATHOLOGY

- 11.30-12.00 h **Congenital diseases of the thorax**
N. Novoa
- 12.00-13.00 h **Honorary lecture**
ESTS President Dr. J. Furak
- 13.00-14.00 h Lunch
- 13.00-16.30 h **ESTS Grand Prix**



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