



ESTS SCHOOL

**ESTS
SCHOOL OF
THORACIC
SURGERY**

KNOWLEDGE TRACK COURSE ANTALYA REVISITED IN PRAGUE

18-23 March 2019

Lindner Hotel Prague Castle, Prague



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

Course Organisers:
Hasan Batirel, Istanbul, Turkey
ESTS Director of Education

Nuria Novoa, Salamanca, Spain
Knowledge Track Coordinator

INFORMATION & REGISTRATION: www.ests.org

FACULTY

On site



Hasan Batirel, Istanbul, Turkey



Gail Darling, Toronto, Canada



Vincent Fang Shanghai, China



Gilbert Massard, Strasbourg, France.
ESTS President



Nuria Novoa, Salamanca, Spain



Kostas Papagiannopoulos, Leeds, UK



Cecilia Pompili, Leeds, UK



Willem-Hans Steup, The Hague, Netherlands

Live webinar



René H. Petersen, Copenhagen, Denmark



Piotr Yablonskii, St. Petersburg, Russia



Alper Toker, Istanbul, Turkey



Walter Klepetko, Vienna, Austria



Dirk Van Raemdonck, Leuven, Belgium



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DAY 1: MONDAY 18 MARCH 2019

12.00-13.30 h **Lunch**

MODULE 1: INTRODUCTION

13.30-14.00 h **Welcome, opening remarks, presentation round**
H. Batirel/N. Novoa

14.00-14.30 h **ESTS school, EBTS**
H. Batirel/N. Novoa

14.30-15.30 h **Preoperative functional evaluation**
C. Pompili

15.30-16.00 h **Coffee break**

MODULE 2: PERI- AND POST-OPERATIVE MANAGEMENT

16.00-16.15 h **COPD management in the perioperative setting**
C. Pompili

16.15-16.30 h **Chest tube management**
N. Novoa

16.30-16.45 h **Anticoagulants, antiplatelet and stents**
H. Batirel

16.45-17.00 h **Perioperative physiotherapy**
N. Novoa

17.00-18.00 h **WEBINAR: Enhanced recovery after surgery**
R. Petersen

18.30 h **Interactive dinner**

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DAY 2: TUESDAY 19 MARCH 2019

MODULE 3: WHAT TO DO WHEN THINGS GO WRONG?

- 8.30-8.50 h **Management of prolonged air-leak**
C. Pompili
- 8.50-9.20 h **Management of postoperative empyema**
H. Batirel/N. Novoa
- 9.20-9.30 h **Management of postoperative pneumonia and atelectasis**
C. Pompili
- 9.30-9.45 h **Management of postoperative bleeding**
H. Batirel
- 9.45-10.00 h **Management of sternal dehiscence**
N. Novoa
- 10.00-10.30 h **Case discussion on postoperative complications (2 to 3 cases)**
All Faculty
- 10.30-11:00 h Coffee break
- 11.00-11.20 h **Management of postoperative respiratory failure: from partial respiratory insufficiency to ARDS**
C. Pompili

MODULE 4: PAEDIATRIC THORACIC SURGERY

- 11.20-12.00 h **Embryology & congenital diseases of the lung: brief summary and frequent cases**
N. Novoa
- 12.00-13.30 h Lunch

MODULE 5: INFECTIOUS DISEASES OF THE LUNG

- 13.30-13.50 h **Bronchiectasis**
C. Pompili
- 13.50-14.10 h **Hydatid disease**
H. Batirel
- 14.10-14.30 h **Aspergilloma and fungal diseases**
N. Novoa
- 14.30-15.00 h **Infectious case discussions (3 cases)**
All faculty
- 15.00-15.30 h Coffee break

MODULE 6: TB AND DESTROYED LUNG

- 15.30-16.30 h **WEBINAR: Indications for surgery. It covers invasive diagnosis, MDR/XDR, destroyed lung, cavernous disease, bilateral disease**
P.K. Yablonskii
- 16.30-17.00 h **Case preparation for Wednesday session**
- 19.00 h **Dinner**



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DAY 3: WEDNESDAY 20 MARCH 2019

MODULE 7: LUNG CANCER- DIAGNOSIS AND STAGING

- 8.30-8.45 h **Incidence and screening of NSCLC**
WH. Steup
- 8.45-9.00 h **Histologic classification (WHO) and TNM**
G. Darling
- 9.00-9.15 h **Surgical strategy for lung nodules and GGO staging**
G. Darling
- 9.15-9.30 h **Invasive mediastinal staging: when and how?**
N. Novoa
- 9.30-10.30 h **Case discussion of NSCLC staging (4 cases) presented by attendees**
Attendees and Faculty

10.30-11.00 h Coffee break

MODULE 8: LUNG CANCER: BASICS OF TREATMENT

- 11.00-11.15 h **Principles of surgery for lung cancer (anatomic resection, node dissection)**
WH. Steup
- 11.15-11.45 h **Case discussion of NSCLC: resectability (Radiology based)**
All Faculty
- 11.45-12.45 h **WEBINAR: Parenchyma saving operations: sleeve lobectomy and sublobar resections (video based)**
A. Toker
- 12.45-13.45 h Lunch

MODULE 9: LUNG CANCER – ADVANCED DISEASE

- 13.45-14.00 h **Combined modality strategies**
WH. Steup
- 14.00-14.20 h **Extended resections: indications and results**
N. Novoa
- 14.20-14.35 **Multiple primaries and oligometastatic cancer**
H. Batirel
- 14.35-15.00 **Lung metastases**
WH. Steup
- 15.00-15.30 h Coffee break

MODULE 10: LUNG CANCER: RARE TUMORS

- 15.30-15.50 h **Neuroendocrine tumours**
WH. Steup
- 15.50-16.00 h **Rare tumours of the lung**
G. Darling

MODULE 11: LUNG CANCER: DIFFICULT SCENARIOS

- 16.00-17.30 h **Case based discussion:**
 - Central cancer with marginal physiology
 - Bilateral lesions
 - Marginal resectability
 - N1 positive situation
 - N2 single positive station
All faculty
- 19.00 h **Dinner**
- 21.00 h **Oscar night**

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DAY 4: THURSDAY 21 MARCH 2019

MODULE 12: MEDIASTINUM TUMORS/MASSES

- 8.30-8.45 h **Endothoracic goiter. Surgical management**
N. Novoa
- 8.45-9.00 h **Thymoma: WHO and Masaoka staging**
V. Fang
- 9.00-9.15 h **Principles of the surgical treatment of thymic tumors**
V. Fang
- 9.15-9.30 h **Indications for upfront surgery vs multimodality treatment**
G. Darling
- 9.30-9.45 h **Extended resections**
V. Fang
- 9.45-10.00 h **Germ cell tumors of the mediastinum**
WH Steup
- 10.00-10.30 h Coffee break

MODULE 13: MEDIASTINUM, BENIGN CONDITIONS

- 10.30-10.45 h **Mediastinitis**
H. Batirel
- 10.45-11.00 h **Diagnosis of other mediastinal lymph node diseases: sarcoidosis, Castleman's disease, Lymphoma, etc.**
V. Fang
- 11.00-11.15 h **Myasthenia gravis and other parathymic syndromes**
V. Fang
- 11.15-11.30 h **Preoperative optimization and techniques for surgery in MG**
V. Fang
- 11.30-11.45 **Diagnosis and management of chylothorax**
N. Novoa
- 11.45-12.15 h **Neurogenic tumors and the sympathetic chain**
H. Batirel
- 12.15-13.15 h Lunch
- 13.15-15.15 h **Case discussion on mediastinal pathology**
All faculty
- 19.00 h **Dinner**



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DAY 5: FRIDAY 22 MARCH 2019

MODULE 14: ESOPHAGEAL DISEASES

8.30-8.50 h **GERD, hernia and short esophagus**
G. Darling

8.50-9.10 h **Benign disorders: motility and diverticula**
H. Batirel

9.10-9.40 h **Essentials of esophageal cancer including staging**
G. Darling

9.40-10.10 h **Principles of surgical treatment in esophageal cancer**
H. Batirel

10.10-10.30 h **Esophageal leak and rupture**
H. Batirel

10.30-11.00 h Coffee break

MODULE 15: TRACHEA AND AIRWAYS

11.00-11.15 h **Peculiarities in intraoperative airway management and intubation with double lumen tubes**
G. Massard

11.15-11.30 h **Airway tumours**
V. Fang

11.30-12.30 h **WEBINAR: Principles of tracheal surgery. Inflammatory stenosis**
W. Klepetko

12.30-13.00 h **Tracheo-esophageal fistula**
G. Massard

13.00-14.00 h Lunch

MODULE 16: DIAPHRAGM

14.00-14.15 h **Congenital defects**
N. Novoa

14.15-14.30 h **Diaphragmatic eventration**
H. Batirel

14.30-13.00 h **Traumatic rupture of the diaphragm**
G. Darling

MODULE 17: PULMONARY INTERSTITIAL DISEASE

14.45-15.00 h **Idiopathic pulmonary fibrosis**
N. Novoa

15.00-15.15 h **Other interstitial diseases**
G. Massard

15.15-15.30 h **Diagnosis: pulmonary open biopsy vs cryobiopsy**
N. Novoa

15.30-16.00 h Coffee break

MODULE 18: PLEURA

16.00-16.15 h **Pneumothorax: primary/secondary/rare causes**
V. Fang

16.15-16.35 h **Primary (childhood and adult) empyema: medical and surgical treatment**
K. Papagiannopoulos

16.35-16.55 h **Management of pleural effusion: benign and malignant origin**
H. Batirel

16.55-17.10 h **Management of residual pleural space**
K. Papagiannopoulos

17.10-17.30 h **Malignant pleural mesothelioma**
H. Batirel

17.30-18.00 h **Other pleural tumours**
G. Massard

19.00 h Dinner



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DAY 6: SATURDAY 23 MARCH 2019

MODULE 19: CHEST WALL

- 8.30-8.50 h **Chest wall trauma**
G. Massard
- 8.50-9.10 h **Thoracic visceral injuries**
K. Papagiannopoulos
- 9.10-9.30 h **Tumors of the chest wall**
K. Papagiannopoulos
- 9.30-9.50 h **Principles of chest wall reconstruction**
K. Papagiannopoulos
- 9.50-10.10 h **Congenital deformities of the chest wall**
K. Papagiannopoulos
- 10.10-10.30 h **Thoracic outlet syndrome**
K. Papagiannopoulos
- 10.30-11.00 h Coffee break

MODULE 20: RESPIRATORY FAILURE

- 11.00-12.00 h **WEBINAR. Essentials of lung transplantation**
D. Van Raemdonck
- 12.00-12.15 h **Invasive management of emphysema**
H. Batirel
- 12.15-12.30 h **Essentials of ECMO**
G. Massard
- 12.30-13.30 h Lunch
- 13.30-14.15 h **Honorary lecture**
ESTS President Prof. Gilbert Massard
- 14.15-15.45 h **ESTS Grand Prix**
All faculty/ Participants
- 15.45 h **Feedback and farewell**

