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

Course Organisers:
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ESTS Director of Education

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Knowledge Track Coordinator

INFORMATION & REGISTRATION: www.esths.org
ANTALYA REVISITED IN PRAGUE
ESTS SCHOOL OF THORACIC SURGERY - KNOWLEDGE TRACK COURSE
18-23 March 2019 · Lindner Hotel Prague Castle, Prague

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
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
## DAY 2: TUESDAY 19 MARCH 2019

### MODULE 3: WHAT TO DO WHEN THINGS GO WRONG?

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8.30-8.50 h</td>
<td>Management of prolonged air-leak&lt;br&gt;C. Pompili</td>
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<tr>
<td>8.50-9.20 h</td>
<td>Management of postoperative empyema&lt;br&gt;H. Batirel/N. Novoa</td>
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<tr>
<td>9.20-9.30 h</td>
<td>Management of postoperative pneumonia and atelectasis&lt;br&gt;C. Pompili</td>
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<tr>
<td>9.30-9.45 h</td>
<td>Management of postoperative bleeding&lt;br&gt;H. Batirel</td>
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<tr>
<td>9.45-10.00 h</td>
<td>Management of sternal dehiscence&lt;br&gt;N. Novoa</td>
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<tr>
<td>10.00-10.30 h</td>
<td>Case discussion on postoperative complications (2 to 3 cases) &lt;br&gt;All Faculty</td>
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<tr>
<td>10.30-11.00 h</td>
<td>Coffee break</td>
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<tr>
<td>11.00-11.20 h</td>
<td>Management of postoperative respiratory failure: from partial respiratory insufficiency to ARDS&lt;br&gt;C. Pompili</td>
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</table>

### MODULE 4: PAEDIATRIC THORACIC SURGERY

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>11.20-12.00 h</td>
<td>Embryology &amp; congenital diseases of the lung: brief summary and frequent cases&lt;br&gt;N. Novoa</td>
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<tr>
<td>12.00-13.30 h</td>
<td>Lunch</td>
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### MODULE 5: INFECTIOUS DISEASES OF THE LUNG

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>13.30-13.50 h</td>
<td>Bronchiectasis&lt;br&gt;C. Pompili</td>
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<tr>
<td>13.50-14.10 h</td>
<td>Hydatid disease&lt;br&gt;H. Batirel</td>
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<tr>
<td>14.10-14.30 h</td>
<td>Aspergilloma and fungal diseases&lt;br&gt;N. Novoa</td>
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<tr>
<td>14.30-15.00 h</td>
<td>Infectious case discussions (3 cases)&lt;br&gt;All faculty</td>
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<tr>
<td>15.00-15.30 h</td>
<td>Coffee break</td>
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### MODULE 6: TB AND DESTROYED LUNG

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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>15.30-16.30 h</td>
<td>WEBINAR: Indications for surgery. It covers invasive diagnosis, MDR/XDR, destroyed lung, cavernous disease, bilateral disease&lt;br&gt;P.K. Yablonskii</td>
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<tr>
<td>16.30-17.00 h</td>
<td>Case preparation for Wednesday session</td>
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<tr>
<td>19.00 h</td>
<td>Dinner</td>
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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 h  Multiple primaries and oligometastatic cancer  
H. Batirel

14.35-15.00 h  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
# Day 4: Thursday 21 March 2019

## Module 12: Mediastinum Tumors/Masses

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>8.30-8.45 h</td>
<td>Endothoracic goiter. Surgical management</td>
<td>N. Novoa</td>
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<tr>
<td>8.45-9.00 h</td>
<td>Thymoma: WHO and Masaoka staging</td>
<td>V. Fang</td>
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<tr>
<td>9.00-9.15 h</td>
<td>Principles of the surgical treatment of thymic tumors</td>
<td>V. Fang</td>
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<tr>
<td>9.15-9.30 h</td>
<td>Indications for upfront surgery vs multimodality treatment</td>
<td>G. Darling</td>
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<tr>
<td>9.30-9.45 h</td>
<td>Extended resections</td>
<td>V. Fang</td>
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<tr>
<td>9.45-10.00 h</td>
<td>Germ cell tumors of the mediastinum</td>
<td>WH Steup</td>
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<tr>
<td>10.00-10.30 h</td>
<td>Coffee break</td>
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## Module 13: Mediastinum, Benign Conditions

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>10.30-10.45 h</td>
<td>Mediastinitis</td>
<td>H. Batirel</td>
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<tr>
<td>10.45-11.00 h</td>
<td>Diagnosis of other mediastinal lymph node diseases: sarcoidosis, Castleman's disease, Lymphoma, etc.</td>
<td>V. Fang</td>
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<tr>
<td>11.00-11.15 h</td>
<td>Myasthenia gravis and other parathyMIC syndromes</td>
<td>V. Fang</td>
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<tr>
<td>11.15-11.30 h</td>
<td>Preoperative optimization and techniques for surgery in MG</td>
<td>V. Fang</td>
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<tr>
<td>11.30-11.45 h</td>
<td>Diagnosis and management of chylothorax</td>
<td>N. Novoa</td>
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<tr>
<td>11.45-12.15 h</td>
<td>Neurogenic tumors and the sympathetic chain</td>
<td>H. Batirel</td>
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<tr>
<td>12.15-13.15 h</td>
<td>Lunch</td>
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<tr>
<td>13.15-15.15 h</td>
<td>Case discussion on mediastinal pathology</td>
<td>All faculty</td>
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<tr>
<td>19.00 h</td>
<td>Dinner</td>
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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
DAY 6: SATURDAY 23 MARCH 2019

MODULE 18: 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 19: 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