An application will be made to the EACCME® for CME accreditation of this event

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

Nuria Novoa, Salamanca, Spain
Knowledge Track Course Coordinator

INFORMATION & REGISTRATION: www.estis.org
Theoretical knowledge and Case presentation-discussion

Clemens Aigner, Essen, Germany
Hasan Batirel, Istanbul, Turkey
ESTS Director of Education
Gail Darling, Toronto, Canada
Laura Donahoe, Toronto, Canada
Gilbert Massard, Luxembourg
ESTS Past President
Nuria Novoa, Salamanca, Spain
ESTS Knowledge Track Course Coordinator
Cecilia Pompili, Leeds, UK
Enrico Ruffini, Torino, Italy
ESTS President

Live webinar

Henning A. Gaissert, Boston, USA
Ilhan Inci, Zurich, Switzerland
Scott Swanson, Boston, USA
FORMAT OF THE COURSE

2 days live activities including the live presentations, the invited lectures of the webinars and the presidential address plus access to pre-recorded theoretical lectures.

The formats of each part will be as below:
- Live presentations: live case-discussion by faculty, 7-10 minutes allocated for each case with open discussion as a whole or in subgroups.
- Webinars: 30 minutes divided in up to 25 minutes of presentation, leaving 5-10 minutes for discussion.
- Presidential address: 20 -30 minutes
- Pre-recorded theoretical lectures: 10 -15 min maximum. All presentations will focus on evidence and will present a summary with take-home messages.
- The theoretical lectures will be available to participants one week before the virtual course.

Timing for the live sessions
CET: 11:00 to 13:00 then 30 minutes lunch time and then 13:30 to 15:30
Japanese time: 7pm to 9:00 pm half hour break and then 9:30pm to 11:30pm
Brazil: 7am to 9am then half hour break and then 9:30 am to 11:30 am.

Social program
Initial round of presentations and initial reception
First day welcome reception: Lunch time when the participants will be invited to a virtual toast.
Last day farewell at lunch time.
Two interesting cases shared by the attendants will be chosen. The faculty will supervise the presentations.

Registration fees
100 euros for ESTS trainee members
150 euros for ESTS members
250 euros for non-members

Registration and payment deadline
Friday 16 April 2021, but registration may close earlier if the course is full.
LIVE PROGRAM

DAY 1: MAY 10

11:00-13:00 h CET

11:00-11:15 h  Welcome introduction and presentations
H. Batirel & N. Novoa

11:15-11:45 h  Case-discussion on Preoperative evaluation
C. Pompili & N. Novoa

11:45-12:15 h  Case-discussion on Perioperative management
C. Aigner & H. Batirel

12:15-12:45 h  Case-discussion on Management of prolonged air leak
C. Pompili & H. Batirel

12:45 h  Open case presentation and discussion sharing the screen from an attendant
All faculty

Final remark: 5 minutes for other comments/questions
H. Batirel & N. Novoa

13:30-15:30 h CET

13:30-14:00 h  Webinar 1
Airway tumors and their treatment
H.A. Gaissert

14:00-14:30  Case-discussion on airway stenosis management
C. Aigner & N. Novoa

14:30-14:45 h  Case-discussion on chest wall trauma
G. Massard & H. Batirel

14:45-15:00 h  Case-discussion on chest wall tumors
C. Aigner & G. Massard

15:00-15:15 h  Case-discussion on chest wall deformities
N. Novoa & G. Massard

15:15 h  Case-discussion on diaphragmatic defects
C. Aigner & N. Novoa

Final remarks: 5 minutes for other comments/questions
H. Batirel & N. Novoa

LUNCH TIME
## DAY 2: MAY 11

**11:00-13:00 h CET**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>11:00-11:30 h</td>
<td><strong>Case-discussion on mediastinitis management</strong></td>
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<td>H. Batirel &amp; G. Darling</td>
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<td>11:30-11:45 h</td>
<td><strong>Case-discussion on management of esophageal leak and rupture</strong></td>
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<td>G. Darling &amp; H. Batirel</td>
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<td>11:45-12:00 h</td>
<td><strong>Case-discussion on thyroid pathology</strong></td>
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<td>N. Novoa &amp; H. Batirel</td>
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<td>12:00-12:45 h</td>
<td><strong>Webinar 2</strong></td>
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<td><strong>Essentials of lung transplantation</strong></td>
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<td>I. Inci</td>
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<td>12:45 h</td>
<td><strong>Case-discussion on Hyperhydrosis</strong></td>
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<td>G. Darling &amp; N. Novoa</td>
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**13:30-15:30 h CET**

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<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>13:30-14:00 h</td>
<td><strong>Webinar 3</strong></td>
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<td><strong>Parenchyma saving operations: sleeve lobectomy and sublobar resections</strong></td>
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<td>S. Swanson</td>
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<td>14:00-14:15 h</td>
<td><strong>Case-discussion on management on pleural effusions</strong></td>
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<td>G. Darling &amp; H. Batirel</td>
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<td>14:15-14:30 h</td>
<td><strong>Case-discussion on secondary pneumothorax</strong></td>
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<td>N. Novoa &amp; G. Darling</td>
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<td>14:30-14:55 h</td>
<td><strong>Case-discussion on thymic pathology</strong></td>
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<td>E. Ruffini &amp; H. Batirel</td>
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<tr>
<td>14:55 h</td>
<td>Open case presentation and discussion sharing the screen from an attendant</td>
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<td>All faculty</td>
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<td>15:10 h</td>
<td><strong>Honorary lecture - ESTS president</strong></td>
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<td>E. Ruffini</td>
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**LUNCH TIME**

**15:10 h**

**Final remarks and fare well**
THEORETICAL PROGRAM
(Theoretical content included as pre-recorded lectures)

MODULE 1: PERI- AND POST-OPERATIVE MANAGEMENT
Preoperative functional evaluation
C. Pompili
Chest tube management
N. Novoa
Anticoagulants, antiplatelet and stents
H. Batirel
Perioperative physiotherapy
N. Novoa

MODULE 2: WHAT TO DO WHEN THINGS GO WRONG?
Management of Prolong Air-Leak
C. Pompili
Management of Postoperative empyema
N. Novoa
Management of postoperative bleeding
H. Batirel
Management of cardiac complications after surgery
C. Pompili
Management of unusual lung complications after resection
H. Batirel

MODULE 3: INFECTIOUS DISEASES OF THE LUNG
Hydatid disease
H. Batirel
Aspergilloma & Fungal diseases
N. Novoa
Lung abscess and lung gangrene
H. Batirel
TB and destroyed lung
C. Pompili

MODULE 4: TRACHEA AND AIRWAYS
Principles of tracheal surgery
C. Aigner
Surgical treatment of tracheal inflammatory stenosis
C. Aigner
Non-surgical treatment of tracheal stenosis: Stenting, T-Tubes
N. Novoa
Tracheoesophageal fistula
H. Batirel
Tracheostomy and mini-tracheostomy
C. Pompili

MODULE 5: CHEST WALL
Chest wall trauma
G. Massard
Thoracic visceral injuries
G. Massard
Tumors of the chest wall and their treatment
C. Aigner
Principles of chest wall reconstruction
G. Massard
Congenital deformities of the chest wall
N. Novoa
Thoracic outlet syndrome
C. Aigner
Traumatic rupture of the diaphragm
G. Darling

MODULE 6: THYROID
Intrathoracic Goiter. Surgical treatment
N. Novoa
Thyroid cancer
G. Massard
THEORETICAL PROGRAM
(Theoretical content included as pre-recorded lectures)

MODULE 7: PULMONARY INTERSTITIAL DISEASE
Idiopathic pulmonary fibrosis
N. Novoa

MODULE 8: PULMONARY HYPERTENSION
Diagnosis and classification of pulmonary hypertension
H. Batirel
Medical and surgical treatment of pulmonary hypertension
G. Darling

MODULE 9: RESPIRATORY FAILURE
Initial management of postoperative respiratory insufficiency
C. Pompili
Invasive management of emphysema
H. Batirel
Essentials of ECMO
G. Massard

MODULE 10: ESOPHAGEAL DISEASES
GERD, hernia and short esophagus
G. Darling
Benign disorders: motility and diverticula
H. Batirel
Essentials of esophageal cancer including staging
G. Darling
Principles of surgical treatment in esophageal cancer
H. Batirel

MODULE 11: PLEURA
Pneumothorax: primary and secondary
N. Novoa
Catamenial pneumothorax
G. Darling
Management of benign pleural effusion
H. Batirel
Management of malignant pleural effusion
G. Darling
Management of residual pleural space
N. Novoa
Pleural tumours: mesothelioma
H. Batirel
Other pleural tumours
G. Massard

MODULE 12: MEDIASTINUM- BENIGN CONDITIONS
Mediastinitis
H. Batirel
Esophageal leak and rupture
G. Darling
Diagnosis and management of chylothorax
N. Novoa
Hyperhidrosis and the sympathetic chain
G. Darling

MODULE 13: MEDIASTINUM TUMORS/MASSES
Thymoma: WHO and Masaoka staging
E. Ruffini
Principles of the surgical treatment of thymic tumors
E. Ruffini
Indications for upfront surgery vs multimodality treatment
G. Darling
Extended resections
E. Ruffini
Neurogenic tumors
G. Darling
Hyperparathyroidism
N. Novoa
Germ cell tumors of the mediastinum
L. Donahoe