ESTS School of Thoracic Surgery – Knowledge Track Course
“Antalya Revisited in Prague”

19 – 24 March 2018
Prague, Czech Republic

Organisers: Gilbert Massard, President Elect
Hasan Batirel, ESTS Director of Education

An application has been made to the EACCME® for CME accreditation of this event

Formats:
- Case based teaching (CBT) = 1 case with 3-4 MCQ to discuss, followed by essentials/rules/guidelines
- Case discussion (CD): to show that different options are possible in absence of strict evidence
- Learn from peers (LFP): case presentation by junior, essential messages by faculty
- State of the art lecture (SOTA): overview on a specialized issue
- Essentials: focus on evidence, take home messages

Faculty:

- Jalal Assouad, Paris, France
- Tim Batchelor, Bristol, UK
- Hasan Batirel, Istanbul, Turkey. ESTS Director of Education
- Stephen Cassivi, Rochester, USA
- Pier Luigi Filosso, Torino, Italy
- Gilbert Massard, Strasbourg, France. ESTS President Elect
- Nuria Novoa, Salamanca, Spain
- Kostas Papagianopoulos, Leeds, UK. ESTS President
- Igor Polyakov, Krasnodar, Russian Federation
**Module 1: Introduction**

13.30 Welcome, opening remarks, presentation round  
14.00 ESTS school, EBTS  
14.30 Case based: preoperative functional evaluation (CBT)  

15.30 – 16.00 Coffee break

**Module 2: Peri- and post-operative management**

16.00 Anaesthesia and peri-operative management of ventilation  
16.20 Chest tube management  
16.40 Antibiotic and antithrombotic prophylaxis (CBT)  
17.00 Anticoagulants, antiplatelet and stents (CBT)  
17.20 Enhanced recovery after surgery

17.50 Feedback day 1

18.30 Interactive dinner

**Day 2 – Tuesday 20 March 2018**

**Module 3: What to do when things go wrong?**

8.30 Diagnosis and treatment of pulmonary complications  
8.50 Case based: ARDS – indications for ECMO (CBT)  
9.00 Bronchopleural fistula: case- based (CBT)  
9.10 Post-op empyema after pneumonectomy (CD)  
9.40 Management of prolonged air leak  
10.00 Esophageal leak Learn from peers

10.25 Coffee break

10.45 Recurrent laryngeal nerve injury (CBT)  
11.05 Post-op bleeding

**Module 4: Paediatric Thoracic Surgery**

11.25 Embryology & congenital diseases of the lung: State-of-the-art lecture (SOTA)  

12.30 lunch
Module 5: Infectious diseases of the lung

13.30 Bronchiectasis  
G Massard
13.50 Hydatid disease  
H Batirel
14.10 Aspergilloma & fungal diseases  
G Massard
14.30 Rare infections: atypical mycobacterial infections, lung abscess and gangrene (CBT)  
H Batirel

15.00 Coffee break

Module 6: TB and destroyed lung

15.30 TB: Indications for surgery: covers invasive diagnosis, MDR/XDR, destroyed lung, cavernous disease, tuberculoma, bilateral disease, massive hemoptysis with a clinical case for each scenario  
G Massard, H Batirel

16:15 Feedback day 2

Day 3 – Wednesday 21 March 2018

Module 7: Lung cancer – diagnosis and staging

8.30 Epidemiology and screening  
G Massard
9.00 Histologic classification (WHO) and TNM  
S Cassivi
9.20 Diagnosis and staging  
N Novoa
9.40 Invasive mediastinal staging: when and how  
N Novoa
10.00 A patient with single station lymph node enlargement: case discussion (CD)  
I Polyakov

10.30 Coffee break

Module 8: Lung cancer – basics of treatment

11.00 Principles of surgery for lung cancer (anatomic resection, node dissection)  
J Assouad
11.20 Parenchyma saving operations 1: sublobar resection (CBT)  
G Massard
11.40 Parenchyma saving operations 2: sleeve lobectomy (LFP)  
J Assouad
12.00 Neuro-endocrine tumours  
J Assouad

12.30 Lunch

Module 9: Lung cancer – advanced disease

13.30 Combined modality strategies  
P Filosso
14.00 Extended resections: indications and results  
I Polyakov
14.30 Multiple primaries and oligometastatic cancer (CD)  
H Batirel
15.00 Lung metastases  
P Filosso

15.30 Coffee break
Module 10: Lung cancer: rare tumours and future of surgery

16.00 Rare tumours P Filosso
16.30 VATS and future directions: robotics, SBRT G Massard

Module 11: Lung cancer: back to real life !!

16.50 Case based discussions S Cassivi, G Massard, P Filosso
- central cancer with marginal physiology
- bilateral lesions

17.30 Feedback

21.00 Oscar night
Surgical videos

Day 4 – Thursday 22 March 2018

Module 12: Mediastinum, anterior compartment

8.30 Surgical anatomy of the mediastinum P Filosso
8.50 Mediastinitis (CBT) H Batirel
9.10 Thymoma: WHO and Masaoka stages P Filosso
9.30 Myasthenia gravis and other parathymic syndromes P Filosso
9.50 Germ cell tumours of the mediastinum (CBT) G Massard

10.20 coffee break

Module 13: Mediastinum, middle and posterior compartments

10.50 Mediastinal cysts H Batirel
11.10 Diagnosis of mediastinal lymph node diseases (CBT) S Cassivi
11.30 Diagnosis and management of chylothorax (CD) S Cassivi
12.00 Neurogenic tumours and sympathetic chain H Batirel

12.30 Lunch

13:30 Interactive Case Discussions by attendees coordinated by faculty members

15:30 Reflection of the day
Module 14: Diaphragm

8.30 Surgical anatomy of the diaphragm and congenital defects (CBT) T Batchelor
8.50 Diaphragmatic eventration (CBT) S Cassivi
9.20 Traumatic rupture of the diaphragm (LFP) T Batchelor
9.40 Diaphragmatic pacing H Batirel

10.00 Coffee break

Module 15: Trachea and Airways

10.30 Surgical anatomy of major Airways I Polyakov
10.50 Principles of surgery and ventilation management G Massard
11.10 Tumours of trachea and large Airways G Massard
11.40 Inflammatory stenosis of the trachea I Polyakov
12.00 Tracheo-esophageal fistula (CBT) T Batchelor
12.20 Palliative management I Polyakov

13.00 Lunch

Module 16: Esophagus

14.00 Surgical anatomy of the esophagus S Cassivi
14.20 GERD, hernia and short esophagus S Cassivi
14.40 Benign disorders: motility, benign tumours H Batirel
15.00 Essentials of esophageal cancer including resection (SOTA) H Batirel
15.45 Esophageal disruption (CD) S Cassivi

16.15 Coffee break

Module 17: Pleura

16.45 Pleural anatomy and physiology H Batirel
17.00 Pneumothorax T Batchelor
17.20 Pleural infections: essentials I Polyakov
17.40 Pleural tumours H Batirel

18.00 Reflection of the day
Day 6 – Saturday 24 March 2018

**Module 18: Chest wall**

- 8.30 Chest wall trauma
- 8.50 Thoracic visceral injuries
- 9.10 Tumours of the chest wall
- 9.30 Principles of chest wall reconstruction
- 9.50 Congenital deformities of the chest wall
- 10.10 Thoracic outlet syndrome
- 10.30 Coffee break

**Module 19: Respiratory failure**

- 11.00 Essentials of lung transplantation (SOTA)
- 11.50 Invasive management of emphysema
- 12.10 Essentials of ECMO
- 12.30 Lunch

**Honorary Lecture – ESTS President**

- 13.30
- 14.15 ESTS Grand Prix
- 15.45 Feedback and farewell