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

13 – 18 March 2017
Prague, Czech Republic

Organisers:  Gilbert Massard, ESTS Director of Education
             Hasan Batirel, Knowledge Track Course Co-ordinator

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. Knowledge Track Coordinator
- Kirill Gestkov, Moscow, Russian Federation
- Jaroslaw Kuzdzal, Krakow, Poland. ESTS President
- Gilbert Massard, Strasbourg, France. ESTS Director of Education
- Nuria Novoa, Salamanca, Spain
- Kostas Papagiannopoulos, Leeds, UK. ESTS Treasurer, President Elect
- Enrico Ruffini, Torino, Italy
**Day 1 – Monday 13 March 2017**

### 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 Welcome drink + interactive dinner

Ugly case presentations between welcome drink and meal to break the ice!

**Day 2 – Tuesday 14 March 2017**

### 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

- 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: Epidemiology-natural history-diagnosis-treatment (SOTA)  G Massard

16.15 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

17.15 Feedback day 2

Day 3 – Wednesday 15 March 2017

Module 7: Lung cancer – diagnosis and staging

8.30 Epidemiology and screening  G Massard
9.00 Histologic classification (WHO) and TNM  E Ruffini
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)  N Novoa

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
E Ruffini
14.00 Extended resections: indications and results
K Gestkov
14.30 Multiple primaries and oligometastatic cancer (CD)
H Batirel
15.00 Lung metastases
E Ruffini

15.30 Coffee break

Module 10: Lung cancer: rare tumours and future of surgery

16.00 Rare tumours
E Ruffini
16.30 VATS and future directions: robotics, SBRT
G Massard

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

16.50 Case based discussions
- central cancer with marginal physiology
  K Gestkov, G Massard, E Ruffini
- bilateral lesions

17.30 Feedback
21.00 Oscar night
Surgical videos and Czech beer!!

Day 4 – Thursday 16 March 2017

Module 12: Mediastinum, anterior compartment

8.30 Surgical anatomy of the mediastinum
N Novoa
8.50 Mediastinitis (CBT)
H Batirel
9.10 Thymoma: WHO and Masaoka stages
E Ruffini
9.30 Myasthenia gravis and other parathymic syndromes
E Ruffini
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)
K Papagiannopoulos
11.30 Diagnosis and management of chylothorax (CD)
N Novoa
12.00 Neurogenic tumours and sympathetic chain
N Novoa

12.30 Lunch
Free afternoon
Day 5 – Friday 17 March 2017

Module 14: Diaphragm

8.30 Surgical anatomy of the diaphragm and congenital defects (CBT)  T Batchelor
8.50 Diaphragmatic eventration (CBT)  H Batirel
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  K Papagiannopoulos
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  K Papagiannopoulos
12.00 Tracheo-esophageal fistula (CBT)  T Batchelor
12.20 Palliative management  K Papagiannopoulos

13.00 Lunch

Module 16: Esophagus

14.00 Surgical anatomy of the esophagus  T Batchelor
14.20 GERD, hernia and short esophagus  H Batirel
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)  J Kuzdzal

16.15 Coffee break

Module 17: Pleura

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

18.00 Reflection of the day
Day 6 – Saturday 18 March 2017

Module 18: Chest wall

8.30  Chest wall trauma          G Massard
8.50  Thoracic visceral injuries K Papagiannopoulos
9.10  Tumours of the chest wall  K Papagiannopoulos
9.30  Principles of chest wall reconstruction  K Papagiannopoulos
9.50  Congenital deformities of the chest wall K Papagiannopoulos
10.10 Thoracic outlet syndrome    J Kuzdzal

10.30 Coffee break

Module 19: Respiratory failure

11.00 Essentials of lung transplantation (SOTA)  G Massard
11.50 Invasive management of emphysema           T Batchelor
12.10 Essentials of ECMO                        T Batchelor

12.30 Lunch

Honorary Lecture – ESTS President

13.30 Mobility during training: short lecture + discussion  J Kuzdzal
14.15 ESTS Grand Prix                           All faculty/participants
15.45 Feedback and farewell