

## Skills based course - Interventional Bronchoscopy Athens, Greece 12-14 October 2017

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**Thursday, 12 October 2017**

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- 08:30 – 08:45** Welcome, Registrations
- 08:45 – 09:00** Introduction – G. Stratakos
- 09:00 – 09:30** Essential anatomy of the bronchial tree and the mediastinum. Common pitfalls – N. Koufos
- 09:30 – 10:00** Combining conventional TBNA with EBUS-TBNA – G. Stratakos
- 10:00 – 10:30** Rapid on site cytology evaluation by the pulmonologist – P. Emmanouil
- 10:30 – 11:00** Case of conventional TBNA in a patient, projected live in the lecture hall via video  
– Commentary provided by G. Stratakos, N. Koufos
- 11:00 – 12:00** *Coffee break*
- 12:00 – 12:30** Navigational (Fluoroscopy, Radial EBUS, Electromagnetic and CT guided) bronchoscopy for diagnosing and treating peripheral lesions – A. Moore
- 12:30 – 13:00** Systematic assessment of mediastinal and hilar lymph nodes by EBUS and b-EUS TBNA – M. Schuhmann
- 13:00 – 13:30** Case of systematic EBUS-TBNA assessment in a patient projected live in the lecture hall via video – Commentary provided by G. Stratakos, M. Schuhmann
- 13:30 – 14:30** *Lunch break*

### **HANDS ON WORKSHOPS**

- 14:30 – 18:00** Hands-on workshop on animal models (am) and mannequins (m). Participants will be divided in 4 groups of 6 (Groups A, B, C, D). Each group will have 45 min in every workstation. After a brief initial demonstration, every participant will have enough time for hands on practice on each station, before moving to the next one, until all participants have been trained in all workstations.

<b>Time</b>	<b>Group A</b>	<b>Group B</b>	<b>Group C</b>	<b>Group D</b>
<b>14:30 – 15:15</b>	TBNA - cytology needle (m)	TBNA – histology needle (am) + ROSE	EBUS – TBNA (m)	Radial EBUS (am)
<b>15:15 – 16:00</b>	TBNA – histology needle (am) + ROSE	TBNA - cytology needle (m)	Radial EBUS (am)	EBUS-TBNA (m)
<b>16:00 – 16:30</b>	<i>Break</i>			
<b>16:30 – 17:15</b>	EBUS – TBNA (m)	Radial EBUS (am)	TBNA - cytology needle (m)	TBNA – histology needle (am) + ROSE
<b>17:15 – 18:00</b>	Radial EBUS (am)	EBUS-TBNA (m)	TBNA – histology needle (am) + ROSE	TBNA - cytology needle (m)

### **Tutors of practical workstations**

- TBNA cytology station – P. Emmanouil, V. Vitsas  
 TBNA histology station – A. Touman, N. Koufos  
 EBUS TBNA station – M. Schuhmann, I. Michailidou  
 Radial EBUS station – A. Moore, L. Angelakis

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**Friday, 13 October 2017**


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<b>08:30 – 09:00</b>	Combined interventional diagnostic modalities – A. Bugalho
<b>09:00 – 09:30</b>	Therapeutic rigid/flexible bronchoscopy – G. Stratakos
<b>09:30 – 10:00</b>	Sedation and ventilation during therapeutic bronchoscopy – V. Vitsas
<b>10:00 – 10:30</b>	Dealing with major complications during bronchoscopy – M. Schuhmann
<b>10:30 – 11:00</b>	<i>Coffee break</i>
<b>11:00 – 11:30</b>	Case of bronchial biopsy and/or therapeutic bronchoscopy with the use of electrocautery and/or cryotherapy in a patient, projected live in the lecture hall via video – Bronchoscopy performed by G. Stratakos, Commentary provided by A. Bugalho
<b>11:30 – 12:00</b>	Novel 3d and drug eluting stents – A. Bugalho
<b>12:00 – 12:30</b>	Bronchoscopic lung volume reduction denervation and bronchial thermoplasty. Where do we stand? – A. Moore
<b>12:30 – 13:00</b>	Diagnosing Interstitial lung disease. The value of BAL and (cryo)biopsy – N. Koufos
<b>13:00 – 14:00</b>	<i>Lunch break</i>

### **HANDS ON WORKSHOPS**

**14:00 – 18:15** Hands-on workshop on animal models (am) and mannequins (m). Participants will be divided in 4 groups of 6 (Groups A, B, C, D) and will subsequently be trained in all four stations changing every 60 min.

<b>Time</b>	<b>Group A</b>	<b>Group B</b>	<b>Group C</b>	<b>Group D</b>
<b>14:00 – 15:00</b>	Rigid bronchoscopy & mechanical debulking (m)	Rigid bronchoscopy and silicone stent placement (m)	Flexible bronchoscopic electrocautery /Argon and cryotherapy treatment (am)	Placing valves for BLVR (am)
<b>15:00 – 16:00</b>	Rigid bronchoscopy and silicone stent placement (m)	Rigid bronchoscopy & mechanical debulking (m)	Placing valves for BLVR (am)	Flexible bronchoscopic electrocautery /Argon and cryotherapy treatment (am)
<b>16:00 – 16:15</b>	<i>Coffee Break</i>			
<b>16:15 – 17:15</b>	Flexible bronchoscopic electrocautery /Argon and cryotherapy treatment (am)	Placing valves for BLVR (am)	Rigid bronchoscopy & mechanical debulking (m)	Rigid bronchoscopy and silicone stent placement (m)
<b>17:15 – 18:15</b>	Placing valves for BLVR (am)	Flexible bronchoscopic electrocautery /Argon and cryotherapy treatment (am)	Rigid bronchoscopy and silicone stent placement (m)	Rigid bronchoscopy & mechanical debulking (m)

### **Tutors of practical workstations**

Rigid bronchoscopy & mechanical debulking – V. Vitsas, A. Touman

Rigid bronchoscopy and silicone stent placement – P. Emmanouil, N. Koufos

Flexible bronchoscopic electrocautery / Argon and cryotherapy treatment – A. Bugalho, L. Angelakis

Valve placement for BLVR – M. Schuman, G. Stratakos



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**Saturday, 14 October 2017**

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- 09:00 – 09:20** Post intubation tracheal stenosis – Gr.Stratakos  
**09:20 – 09:40** Tracheoesophageal and Bronchopleural fistulae – P. Emmanouil  
**09:40 – 10:00** Tracheobronchomalacia and dynamic airway collapse – N. Koufos  
**10:00 – 10:20** Post pneumonectomy and Post lobectomy syndrome – V. Vitsas
- 10:20 – 11:30** Post course skills evaluation  
**11:30 – 12:00** Closing remarks from the faculty

**Cultural event:**

Guided visit to the new Acropolis Museum or the National Museum after the end of the course