

## Skills based course - Interventional Bronchoscopy

### Athens, Greece 24-26 October 2019

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**Thursday, 24 October 2019**

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<b>08:30 – 08:45</b>	Welcome, Registrations
<b>08:45 – 09:00</b>	Introduction – <b>Gr. Stratakos</b>
<b>09:00 – 09:30</b>	Essential anatomy: CT, endoscopic and EBUS perspective – <b>N. Koufos</b>
<b>09:30 – 10:00</b>	Endosonographic mediastinal assessment in Lung Ca staging and beyond – <b>A.Rozman</b>
<b>10:00 – 10:30</b>	Benign mediastinal enlargements and the contemporary role of conventional TBNA <b>Gr.Stratakos</b>
<b>10:30 – 11:00</b>	Rapid on site cytology evaluation by the pulmonologist – <b>P. Emmanouil</b>
<b>11:00 – 11:30</b>	<i>Case of conventional TBNA in a patient, projected live in the lecture hall via video</i> – Commentary provided by G. Stratakos, N. Koufos
<b>11:30 – 12:00</b>	<i>Coffee break</i>
<b>12:00 – 12:30</b>	Navigational (Fluoroscopy, Radial EBUS, Electromagnetic and CT guided) bronchoscopy for diagnosing and treating peripheral lesions – <b>N.Koufos</b>
<b>12:30 – 13:15</b>	<i>Case of systematic EBUS-TBNA assessment and or radial Ebus examination in a patient projected live in the lecture hall via video</i> – Commentary provided by Vl.Vitsas, N.Koufos
<b>13:15 – 14:30</b>	<i>Lunch break</i>

#### **HANDS ON WORKSHOPS**

<b>14:30 – 18:00</b>	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.
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<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 – low fidelity model (m)	TBNA – animal model (am) + ROSE	EBUS – TBNA (m)	Radial EBUS (am)
<b>15:15 – 16:00</b>	TBNA – animal model (am) + ROSE	TBNA – low fidelity model (m)	Radial EBUS (am)	EBUS-TBNA (m)
<b>16:00 – 16:30</b>		Break		
<b>16:30 – 17:15</b>	EBUS – TBNA (m)	Radial EBUS (am)	TBNA – low fidelity model (m)	TBNA – animal model (am) + ROSE
<b>17:15 – 18:00</b>	Radial EBUS (am)	EBUS-TBNA (m)	TBNA – animal model (am) + ROSE	TBNA – low fidelity model (m)

#### **Tutors of practical workstations**

TBNA cytology station – **Vl.Vitsas, N. Koufos**

TBNA histology station – **P. Emmanouil, I.Athanasopoulos**

EBUS TBNA station – **A.Rozman, I.Michailidou**

Radial EBUS station – **N. Anagnostopoulos, L. Angelakis**

<b>09:00 – 09:30</b>	Combined interventional diagnostic modalities for central airway lesions– <b>I. Athanasopoulos</b>
<b>09:30 – 10:00</b>	Combined Therapeutic rigid/flexible bronchoscopy and stent placement for CAO – <b>L.Freitag</b>
<b>10:00 – 10:30</b>	Sedation and ventilation during therapeutic bronchoscopy – <b>VI.Vitsas</b>
<b>10:30 – 11:00</b>	Airways stents for difficult/rare malignant and benign indications. Present and future challenges. <b>L.Freitag</b>
<b>11:00 – 11:30</b>	<i>Coffee break</i>
<b>11:30 – 12:15</b>	<i>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. Stratakis, Commentary provided by N.Koufos</i>
<b>12:15 – 13:00</b>	Bronchoscopic management of obstructive lung disease: BLVR for emphysema, bronchial denervation for chronic obstructive bronchitis and bronchial thermoplasty for asthma. Where do we stand? <b>A.Rozman</b>
<b>13:00 – 13:30</b>	Diagnosing Interstitial lung disease. The value of BAL and (cryo)biopsy – <b>N.Koufos</b>
<b>13:30 – 14:30</b>	<i>Lunch break</i>

#### **HANDS ON WORKSHOPS**

**14:30 – 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 –**VI.Vitsas, L.Freitag**

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

Flexible bronchoscopic electrocautery / Argon and cryotherapy treatment – **I.Athanasopoulos L.Angelakis**

Valve placement for BLVR –**A.Rozman, Gr.Stratakis**



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**Saturday, 26 October 2019**

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<b>09:00 – 09:45</b>	Post intubation (iatrogenic) tracheal stenosis – <b>Gr.Stratakos</b>
<b>09:45 – 10:15</b>	Dynamic Airway Stenosis, malacia, EDAC and Post Pneumonectomy syndrome – <b>VI.Vitsas</b>
<b>10:15 – 10:45</b>	Surgical complications to the IP specialist: BPF and prolonged air leak, TEF – <b>Ph.Emmanouil</b>
<b>10:45 – 11:00</b>	Coffee break
<b>11:00 – 11:30</b>	Post-course skills evaluation
<b>11:30 – 12:00</b>	Closing remarks from the faculty

Cultural event:

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