



## Thoracic US, Pleural Procedures and Thoracoscopy Course

### Tentative Scientific Program

<b>Thursday, 4 July 2024</b>		<b>Basic US And Skills</b>	
<b>09:00 - 09:30</b>	Welcome – The role of chest ultrasound in the daily practice of IPs. - <i>G.Stratakos</i>		
<b>09:30– 10:00</b>	Essential US physics, probe selection, and modes. – <i>D.Ampazis</i>		
<b>10:00 – 10:20</b>	Thoracic US1 – Normal findings, pleural effusion. – <i>K.Bakiri</i>		
<b>10:20 - 10:40</b>	Thoracic US 2 –Pneumothorax, Consolidation, empyema <i>N.Anagnostopoulos</i>		
<b>10:40-11:00</b>	Thoracic US 3- Assessment of Pleura, ILD,Pulmonary Oedema. Stav. Zaneli		
<b>11:00 – 11:15</b>	Thoracic ultrasound procedure step by step – Video 1 (scanning zones)		
<b>11:15 – 11:45</b>	<i>Coffee Break</i>		
<b>11:45 – 12:15</b>	Management of the patient with suspected MPE, pleural tap. – <i>I.Kalomenidis</i>		
<b>12:15 – 12:45</b>	Management of the patient with spontaneous primary PTX. – <i>P. Emmanouil</i>		
<b>12:45 – 13:15</b>	Management of patient with nonexpandable lung. IPC indications. – <i>V.Skouras</i>		
<b>13:15 - 13:25</b>	Pleural tap / Pleuracath insertion/ Pneumothorax evacuation procedure – Video 2		
<b>13:25– 14:30</b>	<i>Lunch Break with discussion (on site)</i>		
<b>14:30 – 18:00</b>	<b>HANDS ON WORKSHOPS</b> (Participants split into 4 groups of 6 rotating every 45' )		
<b>Group A</b>	Thoracic ultrasound scanning zones, normal findings on volunteer – Case presentations and Q&A  <i>I.Kalomenidis – K.Bakiri</i>		
<b>Group B</b>	Pleural effusion tap, pneumothorax aspiration on a Hi-Fi model.  <i>P.Emmanouil – D.Ampazis –Vl.Vitsas</i>		
<b>16:00 -16:15</b>	<i>Coffee Break</i>		
<b>Group C</b>	Cases on a virtual model Symbionix– Q&A  <i>N.Rahman – Ph.Astoul</i>		
<b>Group D</b>	Pleuracath insertion – Trocar, seldinger, blunt technique on a Hi-Fi model  <i>V.Skouras – M.Froudarakis – N.Anagnostopoulos</i>		

20:30 till late, Dinner for all participants and Faculty at Downtown Athens

<b>Friday, 5 July 2024      Advanced US and Therapeutic Procedures</b>	
<b>09:00 - 09:20</b>	Chest drain insertion with blunt incision technique - Video 3
<b>09:20 – 09:50</b>	Pleurodesis via chest tube/ IPC. Indications, agents, US success assessment. – <i>Ph.Astoul</i>
<b>09:50 - 10:20</b>	Management of patient with empyema, US chest drain insertion. – <i>M.Froudarakis</i>
<b>10:20 – 10:40</b>	IPC insertion/ Pre and post-procedure US assessment – Video 4
<b>10:40 – 11:05</b>	<i>Coffee Break</i>
<b>11:05 – 11:25</b>	Local anaesthesia thoracoscopy/AVATS. – <i>L.Toufektzian</i>
<b>11:25 – 11:45</b>	VATS management of complicated pleural effusion/empyema and recurring pneumothorax, Ch.Zissis
<b>11:45 – 12:20</b>	<b>LIVE CASE – Rigid/Semi-Rigid Thoracoscopy</b>
<b>12:20 – 12:30</b>	Case discussion – remarks.
<b>12:30 – 12:50</b>	Training in chest US and pleural procedures. Who can do it? – <i>G.Stratakos</i>
<b>13:00– 14:00</b>	Lunch Break with discussion (on site)
<b>14:00 – 16:00</b>	<b>Competence Assessment and Accreditation</b> (Participants split in 4 groups of 6 rotating every 30' )
<b>Group A</b>	Case assessment on a virtual model.                      Ph.Astoul, M.Froudarakis
<b>Group B</b>	Pleural tap / Pneumothorax evacuation.                      Ph. Emmanouil, Vl. Vitsas
<b>Group C</b>	Lung ultrasound step by step.                                      I.Kalomenidis, K.Bakiri
<b>Group D</b>	Multiple choice questions                                      N. Anagnostopoulos, Gr. Stratakos

Saturday, 6 July 2024		Animal Model Hands-on session Workshop (ELPEN)			
09:00 - 9:15	Welcome				
09:15 – 09:45	Management of the patient with subpleural lesion. US – FNB. – <i>N.Rahman</i>				
09:45 – 10:15	Thoracoscopy/AVATS indications and patient preparation <i>Ph. Astoul</i>				
10:15 – 10:30	Intro to Local Anesthesia Thoracoscopy – Video (Preparing the thoracoscopy set)				
10:30 – 14:30	<p><b>Hands-on workshops on animal models</b></p> <p><i>10:30 – 12:10 (Switch groups after 50') – 4 animal models</i></p> <p><b>GROUP A</b> (2 working stations)</p> <p>Blunt incision technique for chest drain insertion</p> <p><i>M.Froudarakis – V.Skouras</i></p> <p><b>GROUP B</b> (2 working stations)</p> <p>Rigid thoracoscopy set preparation and insertion</p> <p><i>Ph.Astoul – G.Stratakos- N.Anagnostopoulos</i></p> <table border="1" data-bbox="354 1122 1476 1160"> <tr> <td><i>12:10 -12:30 Coffee break</i></td> <td></td> </tr> </table> <p><i>12:30 – 14:30 (Switch groups after 50') - The same 4 animal model (blateraly)</i></p> <p><b>GROUP A</b></p> <p>Semi-Rigid / Rigid thoracoscopy: Pleural biopsy technique (Forceps/Cryo) – Talc poudrage</p> <p><i>N.Rahman – N.Anagnostopoulos</i></p> <p><b>GROUP B</b></p> <p>Awake VATS for pleural/lung biopsy</p> <p><i>L.Toufekzian – Ch.Zisis</i></p>			<i>12:10 -12:30 Coffee break</i>	
<i>12:10 -12:30 Coffee break</i>					
14:30 – 14:45	Closing remarks – discussion				
	Certificates and group photo				