Skills course
Thoracoscopy and Pleural Techniques
18-21 October 2023
Marseille, France

Day 1 - Wednesday

08:30 – 08:50   Welcome
08:50 – 09:00   Introduction and description of the course
    Philippe Astoul (Marseille, France)
09:00 – 09:45   Pleural anatomy and physiology of the pleural space
    Philippe Astoul (Marseille, France)
09:45 – 10:30   Blind pleural biopsy: it still remains available nowadays
    Julie Tronchetti and Jean-Baptiste Lovato (Marseille, France)
10:30 – 10:45   Break
10:45 – 11:45   Medical Thoracoscopy: basic approach
    Philippe Astoul (Marseille, France)
11:45 – 12:30   How to anticipate and diagnose iatrogenic complications of thoracoscopy
    Philippe Astoul (Marseille, France)
12:30 – 12:40   Introduction for practical sessions
    Philippe Astoul (Marseille, France)
12:40 – 14:00   Lunch Break

HANDS ON WORKSHOPS

14:00 – 16:30   Workstations
Artificial pneumothorax – Pleural exploration (single point of entry) – Parietal pleura biopsy (optical biopsy forceps) – Removal of endopleural foreign body

Hands-on workshop on models. Participants will be divided in 3 groups according to their level of experience. After a brief initial demonstration, every participant will have time for personal training in each workstation under staff supervision.

All times are in Central European Time (CET).
## Day 2 - Thursday

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>09:00 – 09:45</td>
<td>Pleural Imaging: what do Pulmonologists have to know?</td>
<td>Paul Habert (Marseille, France)</td>
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<tr>
<td>09:45 – 10:30</td>
<td>Chest sonography: How can it help us for pleural maneuvers?</td>
<td>Gilles Mangiapan (Créteil, France)</td>
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<td>10:30 – 11:00</td>
<td>Anaesthesia for thoracoscopy: is it a so ‘light’ procedure?</td>
<td>Charles-Hugo Marquette (Nice, France)</td>
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<td>11:00 – 11:15</td>
<td>Break</td>
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<tr>
<td>11:15 – 11:45</td>
<td>Management of recurrent malignant pleural effusions</td>
<td>Philippe Astoul (Marseille, France)</td>
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<td>11:45 – 12:30</td>
<td>Management of Primary spontaneous pneumothorax</td>
<td>Charles-Hugo Marquette (Nice, France)</td>
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<td>12:30 – 14:00</td>
<td>Lunch Break</td>
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### HANDS ON WORKSHOPS

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<tr>
<td>14:00 – 16:30</td>
<td>Workstations&lt;br&gt;Second point of entry – Pleural exploration with two hands – Use of coagulating forceps – Pleural poudrage</td>
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Hands-on workshop on models. Participants will be divided in 3 groups according to their level of experience. After a brief initial demonstration, every participant will have time for personal training in each workstation under staff supervision.

## Day 3 - Friday

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<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>09:00 – 09:30</td>
<td>Thoracoscopy in short term hospitalisation</td>
<td>Philippe Astoul (Marseille, France)</td>
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<tr>
<td>09:30 – 10:15</td>
<td>Nonspecific pleuritis after thoracoscopy</td>
<td>Ales Rozman (Golnik, Slovenia)</td>
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<tr>
<td>10:15 – 11:00</td>
<td>Empyema: How to prevent progression to stage III disease</td>
<td>Philippe Astoul (Marseille, France)</td>
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<tr>
<td>11:00 – 11:15</td>
<td>Break</td>
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11:15 – 12:00  Pleural exudates: role of thoracoscopy  
*Marios Froudarakis* (*St-Etienne, France* )

12:00 – 12:30  Pleural drainage techniques and clinical cases  
*Jean-Baptiste Lovato and Julie Tronchetti* (*Marseille, France*)

12:30 – 14:00  *Lunch Break*

**HANDS ON WORKSHOPS (afternoon)**

14:00 – 16:30  **Workstations**

Management of bleeding – Management of air-leak – Others pleural manoeuvres

Hands-on workshop on models. Participants will be divided in 3 groups according to their level of experience. After a brief initial demonstration, every participant will have time for personal training in each workstation under staff supervision.

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**Day 4 - Saturday**

09:00 – 09:45  Flexi-rigid thoracoscopy: advantages and drawbacks  
*Ales Rozman* (*Golnik, Slovenia*)

09:45 – 10:30  Medical Thoracoscopy: how to start?  
*Marios Froudarakis* (*St-Etienne, France*)

10:30 – 11:00  Medical Thoracoscopy: how to design an educational program?  
*Philippe Astoul* (*Marseille, France*)

11:00 – 11:15  *Break*

11:15 – 12:30  Open discussion (‘pot pourri’) and hands-on around (models):

- Pleural ultrasound
- PleurX management
- Indwelling pleural catheter placement

12:30  End of the course

Contact: education@ersnet.org

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