## Skills courses
**Thoracoscopy and Pleural Techniques**
**16 - 19 October 2024**
**Marseille, France**

### Day 1 - Wednesday

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Speaker</th>
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</thead>
<tbody>
<tr>
<td>08:30 – 08:50</td>
<td>Welcome</td>
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<tr>
<td>08:50 – 09:00</td>
<td>Introduction and description of the course</td>
<td><em>Philippe Astoul (Marseille, France)</em></td>
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<tr>
<td>09:00 – 09:45</td>
<td>Anatomy and applied physiology of the pleural space</td>
<td><em>Philippe Astoul (Marseille, France)</em></td>
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<td>09:45 – 10:30</td>
<td>Pleural imaging: what do pulmonologists have to know?</td>
<td><em>Paul Habert (Marseille, France)</em></td>
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<td>10:30 – 10:45</td>
<td>Break</td>
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<tr>
<td>10:45 – 11:30</td>
<td>Non endoscopic pleural biopsy: is there a place nowadays?</td>
<td><em>Avinash Aujayeb (Newcastle, UK)</em></td>
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<td>11:30 – 12:30</td>
<td>Medical thoracoscopy: basic approach</td>
<td><em>Philippe Astoul (Marseille, France)</em></td>
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<tr>
<td>12:30 – 12:40</td>
<td>Introduction for practical sessions</td>
<td><em>Philippe Astoul (Marseille, France)</em></td>
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<tr>
<td>12:40 – 14:00</td>
<td>Lunch Break</td>
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### HANDS ON WORKSHOPS – Bernard Duysinx

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<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tr>
<td>14:00 – 16:30</td>
<td>Workstations</td>
<td>Artificial pneumothorax – Pleural exploration (single point of entry) – Parietal pleura biopsy (optical biopsy forceps) – Removal of endopleural foreign body</td>
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</tbody>
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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.

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

09:00 – 09:45  Pleural exudates: role of thoracoscopy  
Bernard Duysinx (Liège, Belgium)

09:45 – 10:30 Chest sonography: How can it help us for pleural maneuvers?  
Damien Basille (Amiens, France)

10:30 – 11:00 Interventional management of primary spontaneous pneumothorax: where we stand  
Charles-Hugo Marquette (Nice, France)

11:00 – 11:15 Break

11:15 – 12:00 Management of recurrent malignant pleural effusions  
Marios Froudarakis (Montbrison, France)

12:00 – 12:30 Day-case local anaesthetic pleuroscopy for unexplained exudative pleural effusion  
Avinash Aujayeb (Newcastle, UK)

12:30 – 14:00 Lunch Break

HANDS ON WORKSHOPS - Bernard Duysinx

1 – 16:30 Workstations
Second point of entry – Pleural exploration with two hands – Use of coagulating forceps – Pleural poudrage

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

09:00 – 09:30 Management of recurrent transudative pleural effusion: which procedure?  
Jose M Porcel (Lleida, Spain)

09:30 – 10:15 Nonspecific pleuritis after thoracoscopy  
Ales Rozman (Golnik, Slovenia)

10:15 – 11:00 Management of empyema: perspectives  
Marios Froudarakis (St Etienne, France)

11:00 – 11:15 Break

11:15 – 11:45 Medical thoracoscopy in absence of pleural effusion  
Philippe Astoul (Marseille, France)

All times are in Central European Time (CET).
11:45 – 12:30  Chest tube drainage of the pleural space: indications, techniques, pitfalls, and troubles
   Jose M Porcel (Lleida, Spain)

12:30 – 14:00  Lunch Break

HANDS ON WORKSHOPS - Marios Froudarakis and Ales Rozman

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.

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  How to anticipate and diagnose iatrogenic complications of thoracoscopy
   Philippe Astoul (Marseille, France)

11:00 – 11:45  Future challenges for the management of pleural diseases: an agenda proposal
   Ales Rozman (Golnik, Slovenia)

11:45 – 12:30  Open discussion (‘pot pourri’)

12:30  End of the course

Contact: education@ersnet.org

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