Skills course
Interventional bronchoscopy
19-21 November 2024
Heidelberg, Germany

Tuesday, 19 November 2024

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>08:30–09:00</td>
<td>Welcome and introduction</td>
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<tr>
<td>09:00–09:05</td>
<td>Course registration</td>
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<tr>
<td>09:05–09:30</td>
<td>Introductory lecture - F. Herth</td>
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<tr>
<td>09:30–09:50</td>
<td>Session 1 - Updates in IP (COPD and ILD)</td>
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<td>09:30–09:50</td>
<td>Endoscopic lung volume reduction (ELVR): Valves, Coils, AeriSeal,</td>
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<td>BTVA etc. - K. Klooster</td>
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<td>09:50–10:10</td>
<td>Interventional treatment of chronic bronchitis and exacerbations - K.</td>
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<tr>
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<td>Kontogianni</td>
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<td>10:10–10:30</td>
<td>Update on lung volume reduction surgery - F. Eichhorn</td>
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<td>10:30–10:40</td>
<td>Q&amp;A - All faculty</td>
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<td>10:40–11:10</td>
<td>Coffee break</td>
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<tr>
<td>11:10–11:30</td>
<td>Session 2 - COPD, ILD and lung cancer</td>
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<td>11:10–11:30</td>
<td>Case 1 – ELVR board; obstruction and hyperinflation – K. Klooster, K.</td>
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<td>Kontogianni, F. Eichhorn, C. P. Heussel</td>
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<td>11:30–11:50</td>
<td>Case 2 – ELVR board; chronic bronchitis and exacerbations - K.</td>
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<td>Kontogianni, J. Brock, L. Klotz, C. P. Heussel</td>
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<td>11:50–12:10</td>
<td>Case 3 – ILD - board - S. Dittrich, V. Poletti, C. P. Heussel,</td>
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<td>12:10–12:30</td>
<td>Case 4 – Tumor board, peripheral node - F. Trudzinski, C. P. Heussel,</td>
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<td>L. Klotz</td>
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<td>12:30–12:40</td>
<td>Q&amp;A - All faculty</td>
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<td>12:40–13:40</td>
<td>Lunch break</td>
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**Session 3 - The peripheral node**

13:40–14:00  Best approach to peripheral nodule diagnostics and treatment from radiologist perspective; photon counting CT, SBRT - C. P. Heussel
14:00–14:20  Best approach to peripheral nodule diagnostics from ‘bronchologist’ perspective, navigation - F. Herth
14:20–14:40  Robots in bronchoscopy - J. Brock
14:40–15:00  Best approach to peripheral nodule treatment from ‘bronchologist’ perspective, microwaves, RFA, vapor ablation – A. Bugalho
15:00–15:20  Best approach to peripheral nodule diagnostics and treatment from surgeons’ perspective - H. Winter
15:20–15:40  Q&A - All faculty

15:40–16:00  *Coffee break*

**Session 4 - The central lesion**

16:00–16:20  Ultrasound guided pleural interventions – N. Rahman
16:20–16:40  Recanalization ‘hot and cold’ techniques – F. Herth
16:40–17:00  Update linear EUS(B) technique, performance, complications - J. Annema
17:00–17:20  Medical thoracoscopy – N. Rahman
17:20–17:30  Q&A - All faculty
Wednesday, 20 November 2024

Session 5 - Live cases and patient handling: Live demo 1
Live demo 1 - F. Herth, A. Bugalho
08:45–08:50  Pre-procedure - S. Dittrich
08:50–09:20  Procedure - F. Herth, A. Bugalho
09:20–09:30  Discussion and feedback - K. Kontogianni
09:30–09:50  Preparation of the patient – J. Brock

Session 5 - Live cases and patient handling: Live demo 2
Live demo 2 - K. Kontogianni, J. Annema
09:50–09:55  Pre-procedure - S. Dittrich
10:20–10:30  Discussion and feedback - J. Brock
10:30–10:50  Sedation in bronchoscopy - M. Scheiner
10:50–11:30  Coffee break

Session 6 - More IP updates and live cases
11:30–11:50  Update on stents – F. Herth
11:50–12:10  Invasive procedures for patients with ILD, cryobiopsy – V. Poletti
12:10–12:30  Update on BAL - F. Trudzinski
12:30–12:50  Update on radial EBUS – J. Annema
12:50–13:00  ROSE and histopathology in IP – V. Poletti
13:00–13:20  Q&A - All faculty
13:20–14:20  Lunch break
Session 6 - More IP Updates and Live cases: Live demo 3
Live demo 3 - F. Herth, V. Poletti
14:20–14:25 Pre-procedure - S. Dittrich
14:25–14:50 Procedure - F. Herth, V. Poletti
14:50–15:00 Discussion and feedback – K. Kontogianni

Session 7 – New techniques and instruments in use and IP future
15:00–15:20 EBUS cryobiopsy of mediastinal and hilar lymph nodes - K. Kontogianni
15:20–15:40 Building up an endoscopy service – A. Bugalho
15:40–16:00 Single use bronchoscopes – J. Brock
16:00–16:20 Innovations in interventional pulmonology: pushing boundaries - F. Herth
16:20–16:30 Q&A - All faculty
Thursday, 21 November 2024

Session 8 - Workshops

**GROUP A**
WS1 – Stents – F. Herth and local faculty
WS2 – Lung volume reduction – K. Klooster and local faculty

**GROUP B**
WS3- E(B)US handling – J. Brock and local faculty
WS4- Flexible bronchoscopy and pleural catheres – F. Eichhorn and local faculty

**GROUP C**
WS5- Rigid bronchoscopy, APC and bleeding management – K. Kontogianni
and local faculty
WS6 – Cryo-biopsy and Cryo-TBNA – V. Poletti and local faculty

09:00–09:45 Round 1
09:45–09:55 Rotation
09:55–10:40 Round 2
10:40-10:50 Rotation
10:50–11:35 Round 3
11:35-11:45 Rotation
11:45–12:30 Round 4

12:30–13:00 **Lunch break**

13:00–13:45 Round 5
13:45-13:55 Rotation
13:55–14:40 Round 6