ERS course  
Pulmonary hypertension and pulmonary vascular disease  
27–29 February, 2020  
Lausanne, Switzerland

Thursday, 27 February 2020

<table>
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<th>Time</th>
<th>Session Content</th>
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<td>14:00–14:30</td>
<td>Registration</td>
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<td><strong>Session 1 - Clinical and pathological</strong></td>
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<tr>
<td>14:30–14:45</td>
<td>Introduction to the course - A. Peacock</td>
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<tr>
<td>14:45–15:20</td>
<td>The diagnosis of pulmonary hypertension - S. Gaine</td>
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<td>15:20–15:55</td>
<td>Contemporary pathology of pulmonary hypertension - R. Naeije</td>
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<td>15:55–16:30</td>
<td>Perspectives of therapeutic innovation from current progress in the pathobiology of pulmonary hypertension - D. Montani</td>
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<td>16:30–17:00</td>
<td><strong>Break</strong></td>
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<td>17:00–17:35</td>
<td>Pathophysiology of pulmonary hypertension: what the interested clinician needs to know - R. Naeije</td>
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<td>17:35–18:05</td>
<td>Clinical cases of pulmonary hypertension from participants commented by a multidisciplinary team - S. Gaine, A. Peacock, M. Sproule</td>
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<td>18:15</td>
<td><strong>Welcome reception</strong></td>
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<td>19:30</td>
<td><strong>Dinner</strong></td>
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Session 2 - Making the diagnosis of pulmonary hypertension
08:30–09:00 The importance of cardiac function in pulmonary hypertension - A. Peacock
09:00–09:30 Cardiac catheterisation: how to do it properly (with video demonstration) - M. D'Alto
09:30–10:00 Imaging of the right heart and the pulmonary circulation with echocardiography and magnetic resonance imaging - P. Yerly
10:00–10:30 Exercise testing in pulmonary hypertension - M. Johnson
10:30–11:00 The indispensable input of the radiologist in PH case discussions - M. Sproule

11:00–11:30 Break

Session 3 - Pulmonary embolism
11:30–12:00 Making the diagnosis of acute pulmonary embolism: what do the guidelines say? - S. Konstantinides
12:00–12:30 Treatment of acute pulmonary embolism - M. Johnson
12:30–13:00 Diagnosis and treatment of chronic pulmonary embolism - I. Lang

13:00–14:00 Lunch

Workshops: case histories and practical problems in pulmonary hypertension
Participants will be divided in four groups and attend one workstation per round:
WS1 Exercise testing in pulmonary hypertension: live demonstration - M. Johnson
WS2 Case histories of acute and chronic pulmonary embolism - S. Konstantinides (acute) and M. Sproule (chronic)
WS3 Case histories of pulmonary hypertension (cardiology for pulmonologists) - M. D'Alto
WS4 Echocardiography: common problems - B. Lamia, P. Yerly (patient involvement)

14:00–14:50 Round 1
14:50–15:40 Round 2
15:40–16:10 Break
16:10–17:00 Round 3
17:00–17:50 Round 4
19:00 Dinner
Saturday, 29 February 2020

Session 4 - Treatment of pulmonary hypertension

08:30–09:10  Pulmonary hypertension in the intensive care unit - B. Lamia
09:10–09:50  Clinical trials in pulmonary arterial hypertension: what they tell us - R. Naeije
09:50–10:30  Risk assessment in pulmonary arterial hypertension: REVEAL vs EUROPEAN scores - R. Badagliacca

10:30–11:00  Break

11:00–11:45  Who to treat/who not to treat: The "non group I" PH patients - S. Gaine
11:45–12:30  The updated treatment algorithm in PAH - O. Sitbon

12:30–12:45  Conclusions and remaining questions - A. Peacock

12:45  End of the course and lunchbox