Thursday, 24 October 2024

08:30–09:00 Course registration

Session 1 - What is measured? A refresher on physiology
Chair: P. Laveneziana

09:00–09:10 Introduction – P. Laveneziana, P. Palange
09:10–09:30 CPET overview: clinical usefulness and limitations - P. Palange
09:30–09:40 Q&A
09:40–10:10 Metabolic responses to exercise - S. Ward
10:10–10:20 Q&A

10:20–10:40 Coffee break

10:40–11:10 Cardiovascular responses to exercise - J. Neder
11:10–11:20 Q&A
11:20–11:50 Respiratory and sensory responses to exercise - M. Schaeffer
11:50–12:00 Q&A

12:00–13:15 Lunch
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Session 2 – Skills workshop: How to measure? Inside the test

*Participants will be divided into 4 groups and assigned to a specific workstation.*

13:15–13:30 Introduction to workshops and groups

13:30–15:00 Equipment, test design and protocols

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15:00–15:30 Coffee break

Test performance by a cyclist and interpretation

15:30–17:30 The key variables and their meaning

Reference values and data presentation

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17:30–18:30 Welcome reception
Friday, 25 October 2024

Session 3 - What happens in athletes and disease? Exercise pathophysiology

Chairs: P. Laveneziana

08:30–09:00  CPET in athletes - M. Schaeffer
09:00–09:10  Q&A
09:10–09:40  CPET for assessment of dysfunctional breathing, bronchoconstriction and inducible laryngeal obstruction - A. Boutou, J. Shakespeare
09:40–09:50  Q&A
09:50–10:20  CPET in pulmonary vascular disease - J. Neder
10:20–10:30  Q&A

10:30–10:50  Coffee break

10:50–11:20  CPET for prognosis and pre-operative assessment - P. Onorati
11:20–11:30  Q&A
11:30–12:00  Understanding dyspnoea of uncertain origin - the value of CPET – J. Hull
12:00–12:10  Q&A

12:10–13:30  Lunch

Session 4 - Bringing CPET to practice: A case-based discussion

Chairs: P. Palange, P. Laveneziana

13:30–15:00  Typical cases of respiratory and cardiocirculatory limitation to exercise - P. Palange, P. Laveneziana, W. Stringer, J. Neder, S. Ward

15:00–15:30  Coffee break
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15:30–17:30
Advanced interpretation: Cases in specific clinical scenarios (from faculty and participants)
- Unexplained dyspnœa - P. Laveneziana
- Pre-operative assessment - P. Onorati
- Dysfunctional breathing - A. Boutou
- Combined COPD-heart failure - J. Neder
- Pulmonary hypertension - J. Neder

17:30
Closing remarks