



Clinical Exercise Testing: Basic principles and practice

27-28 October 2022

Rome, Italy

Thursday, 27 October 2022

Session 1

08:00–08:30	Course registration
08:30–08:40	Welcome - P. Laveneziana, P. Palange
08:40–09:00	Introduction: why cardiopulmonary exercise testing (CPET)? - P. Laveneziana
09:00–09:45	Exercise physiology: the metabolic response to incremental exercise - S. Ward
09:45–10:30	Exercise physiology: the ventilatory response to incremental exercise - P. Palange
10:30–11:00	Coffee break
11:00–11:45	Exercise physiology: the cardiovascular response to incremental exercise - P. Agostoni
11:45–12:15	Equipment and methodology - R. Casaburi
12:15–13:00	The key variables and their meaning - P. Laveneziana
13:00–14:00	Lunch

Session 2: Tutorials and Practical laboratory sessions: Incremental Exercise Testing

14:00–15:00	Round 1: Equipment and test design - P. Onorati, P. Laveneziana, S. Ward, P. Palange, M. Schaeffer
15:00–16:00	Round 2: Test performance and interpretation - S. Ward, P. Onorati, P. Laveneziana, P. Palange, M. Schaeffer
16:00–16:30	Coffee break
16:30–17:45	Panel discussion (including data presentation / test reporting - R. Casaburi, P. Onorati, P. Laveneziana, P. Palange, M. Schaeffer



Friday, 28 October 2022

Session 3

- 08:00–08:30 Exercise physiology: the metabolic limitation to exercise - P. Onorati
08:30–09:15 Exercise physiology: the ventilatory limitation to exercise - M. Schaeffer
09:15–10:00 Exercise physiology: the pulmonary gas exchange and pulmonary vascular limitation to exercise. - P. Palange, P. Laveneziana
10:00–10:30 Coffee break
10:30–11:00 Exercise physiology: the cardiovascular limitation to exercise - P. Agostoni
11:00–11:45 Field testing and methods for assessing physical activity - S. Singh

Tutorials

- 11:45–12:30 Tutorials - P. Laveneziana, P. Onorati, P. Palange, P. Agostoni, M. Schaeffer
12:30–13:30 Lunch

Practical laboratory sessions: Constant Work Rate Exercise Testing

- 13:30–14:30 Round 1: Equipment and test design - P. Onorati, S. Ward, P. Palange, P. Laveneziana
14:30–15:30 Round 2: Test performance and interpretation - P. Onorati S. Ward, P. Palange, P. Laveneziana
15:30–16:00 Coffee break

Session 4

- 16:00–17:30 CPET response patterns - S. Ward, P. Onorati, R. Casaburi, P. Laveneziana, P. Agostoni, P. Palange
17:30–18:00 Closing remarks