

# ERS online course

## Clinical exercise testing: Core principles

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**26 November 2020**

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**Chairs: TBC**

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| 13:00–13:30 | <b>The physiological responses to CPET</b> – S. Ward        |
| 13:30–13:45 | Q&A   |
| 13:45–13:55 | <i>Break</i>  |
| 13:55–14:25 | <b>The physiological limitations to CPET</b> – P. Palange   |
| 14:25–14:40 | Q&A   |
| 14:40–14:50 | <i>Break</i>  |
| 14:50–15:20 | <b>The key variables and their meaning</b> – P. Laveneziana |
| 15:20–15:35 | Q&A   |
| 15:35–15:45 | <i>Break</i>  |
| 15:45–17:00 | <b>Interactive panel with clinical cases</b> – All faculty  |

Pre-course learning modules (available from 2 November)

- Introduction: why CPET? – P. Laveneziana
- Exercise physiology: the metabolic response to incremental exercise – S. Ward
- Exercise physiology: the ventilatory response to incremental exercise – P. Palange
- Exercise physiology: the cardiovascular response to incremental exercise – P. Agostoni
- Equipment and methodology – R. Casaburi
- Exercise physiology: the metabolic limitation to exercise – P. Onorati
- Exercise physiology: the ventilatory limitation to exercise – P. Laveneziana
- Exercise physiology: the pulmonary gas exchange and pulmonary vascular limitation to exercise – P. Laveneziana and P. Palange
- Exercise physiology: the cardiovascular limitation exercise – P. Agostoni
- Field testing and methods for assessing physical activity – S. Singh