european practicum on cardiopulmonary exercise testing

18 – 20 September 2019 | Graz

Wednesday, 18 Sept 2019: The Basis

9:30 - 10:00	Registration
10:00 - 10:10	Welcome and Introduction
10:10 - 11:20	Physiological Basis of Exercise Performance (Part 1+2) Susan Ward
11:20 – 11:35	Coffee break, Refreshments
11:35 – 12:30	Pathophysiology of Exercise Limitation Piergiuseppe Agostoni
12:30 - 13:30	Interactive tutorial sessions in small groups (Beginners, Intermediate, Advanced)
13:30 - 14:30	Lunch break
14:30 - 15:00	Conducting the clinical study: equipment, calibration, technical troubleshooting Arno Schmidt-Trucksäss
15:00 - 15:30	Protocols: Ramp Tests, Constant Work Rate Tests Marshall Riley
15:30 - 16:00	Normal values and their pitfalls Alfred Hager
16:00 - 16:30	Formatting exercise test results Daniel Dumitrescu
16:30 – 16:55	Coffee break, Refreshments
16:55 – 17:00	Group Photograph
17:00 – 17:30	The history of CPET - how have we got here? <i>Paul Older</i>
17:30 – 18:30	Key note lecture

Thursday, 19 Sept 2019

Focus 1: The Heart, the Lung and the Lung Vessels

8:30 - 9:00	Exercise Testing in Heart Failure Piergiuseppe Agostoni
9:00 – 9:30	Exercise Testing in Congenital Heart Disease Alfred Hager
9:30 - 10:00	Exercise Testing in Pulmonary Disease Joachim Meyer
10:00 - 10:30	Cardiac Output Measurements during exercise Piergiuseppe Agostoni
10:30 - 11:00	Coffee break, Refreshments
11:00 - 11:30	Pulmonary Hemodynamics during exercise Gabor Kovacs

11:30 - 12:00	Exercise Testing in pulmonary vascular disease
	Daniel Dumitrescu
12:00 - 12:30	Exercise Echocardiography
	Philipp Douschan

- 12:30 13:30 Workshop 1: Ramp exercise test
- 13:30 14:30 Lunch break

Focus 2: Surgery and Rehabilitation

 15:00 – 15:30 Pre- and rehabilitation concepts in malignant diseases Sandy Jack 15:30 – 16:00 Pulmonary rehabilitation and CPET Ralf Zwick 16:00 – 16:30 Coffee break, Refreshments 16:30 – 17:00 Cardiac rehabilitation and CPET Piergiuseppe Agostoni 17:00 – 18:00 Workshop 2: Constant workload test 	14:30 - 15:00	Exercise Testing for perioperative risk assessment Denny Levett
Ralf Zwick16:00 – 16:30Coffee break, Refreshments16:30 – 17:00Cardiac rehabilitation and CPET Piergiuseppe Agostoni	15:00 – 15:30	Pre- and rehabilitation concepts in malignant diseases Sandy Jack
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Piergiuseppe Agostoni	16:00 - 16:30	Coffee break, Refreshments
17:00 – 18:00 Workshop 2: Constant workload test	16:30 - 17:00	
	17:00 - 18:00	Workshop 2: Constant workload test

Friday, 20 September 2019

"Special Issues and Repetition"

8:30 - 9:00	Gas Exchange Patterns in Metabolic Myopathies Marshall Riley
9:00 - 9:30	Exercise Testing in Children <i>Tim Takken</i>
9:30 - 10:00	Cardiopulmonary Adaptation to high altitude Mike Grocott
10:00 - 10:15	Coffee break, Refreshments
10:15 – 10:45	Usefulness of CPET in Athletes Karin Vonbank
10:45 – 11:15	Critical appraisal for the anaerobic threshold Horst Olschewski
11:15 – 12:15	Interactive tutorial sessions in small groups (Cardiac, Pulmonary, Pediatric/CHD, Preoperative)
12:15 – 12:30	General Assembly Meeting CPX International
12:30 - 13:30	Lunch break
13:30 - 14:45	Abstract Competition / Young Investigator Award Susan Ward and Faculty
14:45 – 15:00	Coffee break, Refreshments
15:00 – 16:15	Use of CPET in clinical practice: Clinical Cases and Case based self-examination Daniel Dumitrescu and Faculty
16:15 – 17:00	General Discussion, Certificate Award, Concluding Remarks