

ERS course on Pulmonary rehabilitation 09-11 October 2023 Horn, Netherlands

Monday, 09 October 2023

	Registration and Welcome			
08:00-08:30	Registration			
08:30-08:45	Welcome to CIRO and introduction of the ERS Faculty - M. Spruit			
	Session 1 - Introduction of pulmonary rehabilitation			
	Chairs: Sally J. Singh			
08:45-09:10	The burden of multifaceted chronic lung diseases: rationale for pulmonary rehabilitation - F. Franssen			
09:10-09:35	Pulmonary rehabilitation: conceptual framework and definition - T. Troosters			
09:35-10:00	Organisational aspects of pulmonary rehabilitation - M. Spruit			
10:00-10:20	Discussion and Q&A			
10:20-10:45	Coffee break			
	Session 2 - Physical inactivity and problematic ADL			
	Chairs: Joana Cruz			
10:45–11:10	Physical inactivity and problematic activities of daily life in chronic lung diseases - F. De Oliveira Pitta			
11:10-11:35	Extra-pulmonary consequences of physical inactivity - M. Maddocks			
11:35–12:00	How to assess physical inactivity and problematic activities of daily life in chronic lung diseases? - E. Gimeno-Santos			
12:00-12:20	Discussion			
12:20-13:00	Lunch			



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	Session 3 - Exercise testing and exercise limitations
	Chairs: Ioannis Vogiatzis
13:00-13:25	Exercise field testing - S. Singh
13:25-13:50	Physiology of exercise limitation: cardiopulmonary limitations - C. Burtin
13:50–14:15	Physiology of exercise limitations: lower-limb and respiratory muscle dysfunction - D. Langer
14:15–14:35	Discussion
14:35–15:00	Coffee break
	Session 4 - Non-physiological impairments
	Chairs: Rainer Gloeckl
15:00-15:25	Symptoms of anxiety and depression - D. Janssen
15:25–15:50	Poor collaborative self-management - R. Evans
15:50–16:15	Health illiteracy - D. Janssen
16:15–16:35	Discussion
16:35–18:00	Guided tour CIRO and Welcome cocktail



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	Session 5 - Exercise training					
	Chairs: Thierry Troosters					
08:30-08:55	Endurance training - A. Vaes					
08:55-09:20	Interval training - I. Vogiatzis					
09:20-09:45	Resistance training and NMES - M. Maddocks					
09:45–10:00	Discussion					
10:00-10:20	Coffee break					
	Session 6 - Adjuncts to exercise training					
	Chairs: Martijn A. Spruit					
10:20-10:45	Pharmacotherapy - F. Franssen					
10:45-11:10	Oxygen - R. Evans					
11:10-11:35	Nutritional and hormonal supplements - R. Beijers					
11:35–12:00	Non-invasive ventilation - R. Gloeckl					
12:00-12:25	Inspiratory muscle training - D. Langer					
12:25–12:35	Discussion					
12:35–13:15	Lunch					
	Session 7 - Behaviour change and collaborative self-management					
	Chairs: Frits M.E. Franssen					
13:15–13:40	Understanding and supporting behaviour change - L. Brighton					
13:40-14:05	Enhancing self-efficacy - S. Singh					
14:05-14:30	Collaborative self-management - R. Evans					
14:30–14:55	Advance care planning - D. Janssen					
14:55–15:10	Discussion					
15:10–15:40	Coffee break					



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	Session 8 - Lung attacks					
	Chairs: Lisa Jane Brighton					
15:40–16:05	What is an exacerbation? - F. Franssen					
16:05–16:30	Early mobilization during severe exacerbations - C. Burtin					
16:30–16:55	Post-exacerbation pulmonary rehabilitation - M. Maddocks					
16:55–17:10	Discussion					
	Session 9 - Widening the application of pulmonary rehabilitation					
	Session 9 - Widening the application of pulmonary rehabilitation Chairs: Thierry Troosters					
17:15–17:40						
17:15–17:40 17:40–18:05	Chairs: Thierry Troosters Pulmonary rehabilitation in post-COVID, asthma, ILD, lung cancer,					



Wednesday, 11 October 2023

Session 10 - Workshops

Participants can attend 7 of 12 workshops. All workshops will be repeated 7 times.

Maximum 8 participants per workshop. Medical doctors are encouraged to enrol for workshop 12.

08:00-08:30	Introduction of workshop leaders and workshop instructions - M. Spruit						
08:30–09:00 09:05–09:35 09:40–10:10	Round 1 Round 2 Round 3	WS1 1-RM assessment – A.W. Vaes WS2 MicroFET strength test – T. Troosters WS3 Body composition assessment (BIA/DEXA) – F. Franssen WS4 Physical activity assessment – F. Pitta, J. Cruz					
10:10–10:45	Coffee break	WS5 6-minute walk test – J. Delbressine, E. Gimeno-Santos WS6 ISWT / ESWT – S.J. Singh, R. Evans					
10:45-11:15	Round 4	WS7 Cardiopulmonary exercise test - I. Vogiatzis WS8 Health status questionnaires – D.J.A Janssen					
11:20-11:50	Round 5	WS9 Neuromuscular electrical stimulation - M.J.H. Sillen, M.					
11:55-12:25	Round 6	Maddocks					
12:30–13:00	Round 7	WS10 Problematic activities of daily life - N. Nakken, M. Cuijpers WS11 Testing of inspiratory muscle strength/endurance - R. Gloeckl					
13:00–13:45	Lunch	WS12 Inspiratory muscle training – D. Langer					
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Session 11 - Case report workshops

Introduction of case reports – F. Franssen

13:45-14:00

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	Group 1	Group 2	Group 3	Group 4	Group 5		
14:00-15:00	- R. Evans,	- C. Burtin,	- E. Gimeno-	I. Vogiatzis,	- D. Janssen,		
	R. Gloeckl	J. Cruz	Santos, S. Singh	M. Maddocks	T. Troosters		
15:00–15:15	Break						
13.00-13.13	Dreak						
15:15–17:00	Discussion of case report - F. Franssen, D. Janssen						
17:00-17:15	Summary - M. Spruit, F. Franssen, D. Langer I. Vogiatzis						