

FRIDAY 14th NOVEMBER 2025

PULMONARY FUNCTION COURSES

MODULE 2: Restrictive disorders, gas exchange, respiratory muscle, hyperventilation and blood gases

08.00	Welcome & breakfast	13.30	Shunt calculation <i>Prof. Marion Delcroix (KULeuven)</i> Basics of shunt calculation, methodology and pitfalls, normal values
09.00	Oxygen therapy and convention <i>Prof. Eric Derom (Ugent)</i> Evidence based beneficial effects of long-term oxygen therapy in lung pathology and practical implementation in the Belgian context	14.00	Q&A
09.20	Q&A	14.10	Fit to fly test <i>Prof. David Ruttens (UHasselt)</i> • How to evaluate a patient with a reduced PaO₂ to be fit to fly ? • Which test should be performed ? • What should be communicated to the travel agency ?
09.30	Restrictive syndromes, assessment and longitudinal follow-up (theory) <i>Prof. Antoine Froidure (UCL Bruxelles)</i> Relevance of lung function in neuromuscular disease (prediction of respiratory failure) and idiopathic interstitial disorders (diagnosis prognosis, follow-up)	14.50	Q&A
10.10	Q&A	15.00	Coffee-break
10.20	Coffee-break	15.15	Practical session with cases <i>Prof. Marion Delcroix (KULeuven), Prof. David Ruttens (UHasselt), Prof. Eric Derom (Ugent)</i> • Blood gases and A-a gradient • Pulmonary circulation • Oxygen therapy
10.40	Interpretation of diffusion disorders, gas exchange <i>Prof. Giuseppe Liistro (UCL Bruxelles) Prof. Dr. Antoine Froidure (UCL Bruxelles)</i> Practical session with cases	16.05	Q&A
11.20	Q&A	16.15	Are your lungs fit to dive ? <i>Prof. Kurt Tournoy (UGent)</i> There are many conditions of the lungs that could place a diver at increased risk for injury or death. The medical examiner must assess the diver for these conditions in making a determination for diving fitness. Practical session with cases
11.30	• The pulmonary function test indicates restriction : what is its cause ? • Parenchymal ? Thoracic wall ? Neuromuscular disorders ? <i>Prof. Dr. Antoine Froidure (UCL Bruxelles) Prof. Dr. Eric Marchand (UCL UNamur)</i> Practical session with cases	17.00	Q&A
12.00	Q&A	17.10	End of the courses
12.10	Lunch		



VENUE

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