UCL Université catholique de Louvain

WINTR2292

2010-2011

Pulmonary function testing

2.0 credits	15.0 h	2q

Teacher(s) :	Marchand Eric ; Liistro Giuseppe ;
Language :	Français
Place of the course	Bruxelles Woluwe
Main themes :	Topics -Respiratory mechanics -Spirometry -Static pulmonary volume measurement. -Airway and pulmonary resistance measurement. -Diffusion capacity. -Tests of specific and non specific airway reactivity. -Cardiopulmonary exercise testing -Blood gas analysis and acid-base disorders. -Polysomnography. -Respiratory muscles assessment. -Functional assessment of a dyspneic patient.
Aims :	At the end of the course, the student should understand and interpret pulmonary function tests, and understand their indications and limits. *The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".*
Content :	The objective of this course will be to make the physician familiar with the technicalities including calibration and maintenance, performance and interpretation of lung functions. There will be lectures on clinical spirometry regarding the indications, limitations, equipments quality control, static lung volumes and capacities, dynamic lung volumes and flow rates, and there will be lectures on airway resistance and compliance, diffusing capacity, exercise and bronchoprovocation testing. There will demonstration on instrumentation and techniques, in pulmonary functions tests, interpretation of pulmonary function tests, maintenance and care of equipment.
Other infos :	The course may include practical demonstrations. Examination : oral and/or written Bibliography : Gibson GJ. Clinical Tests of Respiratory Function, ed 2. London, Chapman & Hall
Cycle and year of study :	> Master [240] in Medecine > Advanced Master in Pneumology > Master [120] in Biomedicine
Faculty or entity in charge:	MED