

2.0 credits

22.5 h

2q

Teacher(s) :	Lois Fernande (coordinator) ; De Kock Marc ; Roelants Fabienne ; Van Dyck Michel ; Gourdin Maximilien ; Dubois Philippe ; Pirotte Thierry ; Veyckemans Francis ; Forget Patrice ; Grosu Irina ; Kahn David ;
Language :	Français
Place of the course	Bruxelles Woluwe
Main themes :	Physics of gases and fluids. Electricity and electrical safety. Statistics. Respirators, oxygen cylinders and vapours. Modifications during surgery to respiratory, cardiovascular and renal physiology. Sympathetic and parasympathetic nervous systems. Pharmacokinetics and pharmacodynamics of halogenated substances. Inducing agents. Curare and the motor end-plate. Opiates. Acid-base equilibrium. Blood transfusion. Water and ions. Oxygen transport. Pre-operative visit and premedication. Endotracheal intubation and anatomy of the upper airways. Monitoring apparatus. Arterial and central venous catheters, Swan-Ganz catheter. Positioning and nerve compressions. Regaining consciousness and extubation. The recovery room. Locoregional anaesthesia. Postoperative analgesia.
Aims :	To teach future doctors who are candidates for specialisation in anaesthesiology some notions of physics, physiology, pharmacology and clinical anaesthesia, essential before they start their training. These lectures are intended to be practical, and aimed at integrating the practical and theoretical aspects of clinical anaesthesia. <i>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".</i>
Content :	Physiology, pharmacology and physiopathology of systemic, regional and local anesthesia.
Other infos :	Evaluation: examination which serves as an entry examination into the specialisation, its score being included in the competitive examination on anaesthesiology. Prerequisites, links with other courses: good knowledge of major systems and their diseases. Course intended for students in the second cycle, as from the 3rd year of doctorate, who are seeking training in anaesthesiology. Methodology: lectures with slides. Option course of 22.5 hours spread over 12 sessions of 2 x 50 minutes. Syllabus: a reference book is recommended. " Stoelting & Miller: Basics in Anaesthesia, Churchill-Livingstone 1994 (3rd Edition) "
Cycle and year of study :	> Master [240] in Medecine
Faculty or entity in charge:	MED