UCL Université catholique de Louvain

WESP2234

2012-2013

Strategy of the medical decision

3.0 credits	30.0 h	2q

Teacher(s) :	Habimana Laurence ; Robert Annie (coordinator) ;
Language :	Français
Place of the course	Bruxelles Woluwe
Main themes :	The first part addresses the use and interpretation of diagnostic tests. That includes the basic characteristics (sensitivity, specificity, predictive value) ; the potential biases ; the ROC curves ; the Bayesian analysis ; the threshold probabilities. The second part analyzes the expected outcomes from a test or a treatment : utility concept, life expectancy. The third part includes clinical reasoning, decision-making, and cost-efficacy. These concepts are illustrated by clinical exemples taken from the diagnostic procedures used in medicine.
Aims :	To teach the rationale of the diagnostic procedure and the basis of clinical reasoning, using methods taken from epidemiology and statistics. *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".*
Other infos :	Written examination. References : 1. Sox HC, Medical decision making, Butterworths ; 2. Grenier B, Evaluation de la décision médicale, Masson ; 3. Kassirer JP et Kopelman RI, Learning clinical reasoning, Williams & Wilkins ; 4. Friedland DJ et al, Evidence-based medicine, Lange ; 5. Weinstein, Clinical decision analysis, Saunders.
Cycle and year of study :	> Master [240] in Medecine > Certificat universitaire en dentisterie pédiatrique > Certificat universitaire en prothèse dentaire > Certificat universitaire en dentisterie conservatrice et endodontie > Master [120] in Biomedicine > Preparatory year for Master in Biomedicine > Master [120] in Public Health > Master [120] in Statistics: Biostatistics
Faculty or entity in charge:	FSP