UCLouvain

wesp2234

2020

Strategy of the medical decision

Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

3 credits	30.0 h	Q1

Teacher(s)	Penaloza-Baeza Andrea ;Robert Annie (coordinator) ;
Language :	French
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	1 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".*
Bibliography	Références : Sox H. C. , Medical decision making, Butterworths Grenier B. , décision médicale, Masson Weinstein, Clinical decision analysis, Sauders
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.
Faculty or entity in charge	FSP

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Public Health	ESP2M	3		
Master [120] in Biomedicine	SBIM2M	3		
Master [120] in Statistic: Biostatistics	BSTA2M	3		
Master [120] in Biomedical Engineering	GBIO2M	3		