UCL Université catholique de Louvain

WBICL2100M

2015-2016

Compléments de biochimie médicale (partim)

5.0 credits	45.0 h	2q

Teacher(s) :	
Language :	Français
Place of the course	Bruxelles Woluwe
Main themes :	Preanalytics Analytical methods Quality controls Clinical enzymology List of the major biochemical biomarkers (liver, kidney, cardiac, pancreatic functions, lipids, cystic fibrosis, etc) Clinical interpretation
Aims :	Provide students information regarding pre-analytics, analytics and post-analytics phases in clinical chemistry, in an environment of quality assurance. At the end of the session, the future clinical chemist should possess the basis to become a privilege consultant interpreting laboratory results in different pathologies. Pratical aspects will be further illustrated in the lecture BICL2108 Séminaires de Biochimie Médicale et prélèvements sanguins *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 first part of the lecture will review all required preanalytical conditions (blood sampling, stability,). The second part will include assessment of analytical performances (reproducibility, sensitivity, specificity, ROC curve,). Among general topics, there will be clinical enzymology, Westgard rules, basis of automation, Among specific topics: oligoelements, porphyrias, urinanalysis, lipids, proteins, blood gas, cystic fibrosis diagnostic, bone markers, tumor markers, cardiac markers, pancreatic markers, kidney, thyroid, liver... The third part will be dedicate to protocols and validations (hemoglobinopathies, protein electrophoresis, therapeutic drug monitoring,).
Other infos :	Evaluation : written exam Support : slides available on I-campus
Faculty or entity in charge:	MED

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Advanced Master in Clinical Biology	BCMM2MC	5	-	