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| 2.0 credits | 20.0 h | 2q |
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| Teacher(s) :                 | Leal Teresinha ; Wallemacq Pierre (coordinator) ; Philippe Marianne ; Vincent Marie-Françoise ;  |
| Language :                   | Français   |
| Place of the course          | Bruxelles Woluwe   |
| Main themes :                | Introduction to biological matrices, preanalytical requirements, stability, analytical performances<br>Serum proteins<br>Kidney function<br>Pancreatic function (exo and endo)<br>Liver function<br>Anemia<br>Cardiovascular risks<br>Thyroid  |
| Aims :                       | Provide the student, at the end of the 1st cycle (BAC13), the abilities to interpret clinical chemistry laboratory tests (diagnostic, follow up, prevention, ).<br>Together with other lectures in the field of human pathologies (microbiology, pathology, ) this lecture should meet the recommendation from CEE regarding pharmaceutical missions: reinforce the role of the pharmacist as health councillor.<br><br><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 :                    | Major biological systems are reviewed together with a short pathophysiological reminder. The lecture starts with the major preanalytical requirements and analytical performances (sensitivity specificity, reproducibility, ). Serum protein and inflammatory responses, renal function, pancreatic function (endocrine and exocrine), liver function (cholestasis, cytolysis, ), anemia, lipids and cardiovascular markers, thyroid function are reviewed in different chapters.   |
| Other infos :                | Pre-requisite : Two BAC years in a medical or paramedical area<br>Evaluation : written exam : both development and short questions or MCQ<br>Support : Slides and notes on I-campus<br>varia : the department of clinical biology proposes to students the possibility to perform probationary periods (1 or 2 months) in routine clinical laboratories  |
| Cycle and year of study :    | <a href="#">&gt; Bachelor in Pharmacy</a><br><a href="#">&gt; Master [120] in Biomedicine</a>  |
| Faculty or entity in charge: | FARM   |