



Faculty of Medicine

Department IV: Biochemistry and Pharmacology

University Department Sub-Structure of Biochemistry

Associate Professor, Position 10

Topics

1. Methods of analysis in biochemical investigations in the clinical laboratory.
2. Biochemical examination of blood and urine.
3. Clinical enzymology.
4. Analysis of plasma proteins.
5. Laboratory tests in the biochemical investigation of the cardiovascular system.
6. Laboratory tests in the biochemical investigation of renal function.
7. Laboratory tests in the biochemical investigation of protein metabolism.
8. Laboratory tests in the biochemical investigation of carbohydrate metabolism.
9. Laboratory tests in the biochemical investigation of lipid metabolism.
10. Laboratory tests in the biochemical investigation of the digestive tract.
11. Laboratory tests in the biochemical investigation of amino acid metabolism.
12. Laboratory tests in the biochemical investigation of acid-base balance.
13. Laboratory tests in the biochemical investigation of the endocrine system.
14. ASTRUP analysis.
15. Quality control in the clinical laboratory.

Bibliography:

1. Biochimie clinică pentru studenții facultăților de medicină – Andrei Anghel, Edward Seclăman, Dana David, Cătălin Marian, Liviu Tămaș, Ioan Ovidiu Sîrbu, Ed. Victor Babeș, Timișoara, 2017.
2. Biochimie metabolică cu aplicații clinice, Andrei Anghel, Liviu Tămaș, Edward Seclăman, Ed. Eurostampa, Timișoara, 2017.
3. Lucrări practice de chimie și biochimie medicală pentru studenții facultăților de medicină, Anghel A, Seclăman E, Tămaș L, Motoc M, Șișu E, Kaycsa A, David D, Sîrbu I O, Marian C, Samoilă C, Grecu D, Sfrijan F, Georgescu A, Marcu A, Buzatu R, Bonțe D, Gurban C, Alexa A, Bujor G, Liana Maries, Mihala A, Mărieș L, Sala-Cârtog M, Editura Victor Babeș, Timișoara, 2019.