**BIOCHEMISTRY - LABORATORIES SCHEDULE**

**English Division – Medical Faculty - II year students**

 **Winter semester - academic year 2022/2023**

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| **Data** | **Topic of laboratory** |
| **18.10. – 19.10.2022** | **1**. Analysis of oxidative stress parameters (malondialdehyde, paraoxonase, vitamin C, thiol groups). |
| **25.10. – 26.10.2022** | **2**. Determination of urea, creatinine and bilirubin. |
| **08.11. – 09.11.2022** | **3**. Determination of nitrogenous compounds in biological material: DNA and uric acid. |
| **15.11. – 16.11.2022** | **4**. Determination of ethanol and delta-aminolevulinic acid concentrations in biological material. Protein denaturation with ethanol. |
| **22.11. – 23.11.2022** | **5**. Examination of digestive enzymes activity: trypsin, amylase and pancreatin. |
| **29.11. – 30.11.2022** | **6**. Examination of cathepsins activity in biological material. |
| **06.12. – 07.12.2022** | **7**. Preparation and analysis of hemoglobin spectrum. Determination of iron in biological material. Electrophoretic analysis of haptoglobin. |
| **12.10.2022, 13.12.2022** | **8**. Determination of osmotic resistance of red blood cells. Determination of calcium in biological material. |
| **14.12.2022, 20.12.2022** | **9**. Modern methods of analysis, part 2 – immunodetection (blotting and dotting). |
| **21.12.2022, 10.01.2022** | **10**. Modern methods of analysis, part 3 – mass spectrometry. |
| **17.01. -18.01.2023** | Repetition of laboratories. |
| **10.01. -11.01.2023** | **Retake** |
| **17.01. -18.01.2023** | **Second retake** |

**Preterm of final exam: January 27. 2023**

**First term of final exam: February 8. 2023**