



Aprobat la sedinta catedrei, proces verbal №6 din 20.01.2023

PLANUL

**lucrărilor practice la disciplina Histologie, Citologie și Embriologie pentru studenții anului II,
facultatea Medicină, semestrul IV, anul universitar 2022-2023**

Nr.	Data	Tema
1.	30.01 – 03.02	Sistemul cardiovascular. Arterele, venele, inima, sistemul microcirculator. Dezvoltarea, structura, histofiziologia.
2.	06.02 – 10.02	Organele hematopoietice și de protecție imună. Dezvoltarea, structura, histofiziologia.
3.	13.02 – 17.02	Sistemul endocrin. Formațiunile reglatoare centrale ale sistemului endocrin. Glandele endocrine periferice. Dezvoltarea, structura, histofiziologia.
4.	20.02 – 24.02	Organele de simț. Dezvoltarea, structura, histofiziologia.
5.	27.02 – 03.03	TESTARE ȘI DIAGNOSTIC PE CAPITOLELE: SISTEMUL NERVOS, SISTEMUL CARDIO-VASCULAR, ORGANELE DE SIMȚ, ORGANELE HEMATOPOIETICE ȘI DE PROTECȚIE IMUNĂ, HEMOPOIEZA, SISTEMUL ENDOCRIN.
6.	06.03 – 10.03	Sistemul digestiv. Caracteristica morfo-funcțională. Dezvoltarea tubului digestiv primar. Cavitatea bucală. Structura și histofiziologia buzelor, obrajilor, gingiei, palatului dur și moale, limbii, amigdalelor. Dezvoltarea și structura dinților. Dezvoltarea, structura, histofiziologia.
7.	13.03 – 17.03	Sistemul digestiv. Faringele. Esofagul. Stomacul. Intestinul subțire. Intestinul gros. Dezvoltarea, structura, histofiziologia.
8.	20.03 – 24.03	Sistemul digestiv. Glandele salivare. Pancreasul. Ficatul. Dezvoltarea, structura, histofiziologia.
9.	27.03 – 31.03	TESTARE ȘI DIAGNOSTIC PE CAPITOLUL: SISTEMUL DIGESTIV.
10.	03.04 – 07.04	Sistemul respirator. Pielea și derivatele ei. Dezvoltarea, structura, histofiziologia.
11.	10.04 – 14.04	Sistemul urinar. Dezvoltarea, structura, histofiziologia.
12.	24.04 – 28.04	Sistemul genital masculin. Dezvoltarea, structura, histofiziologia.
13.	01.05 – 05.05	Sistemul genital feminin. Dezvoltarea, structura, histofiziologia. Modificările ciclice în organismul femenin. Placenta umană. Structura și funcțiile ei. Modificările endometrului în timpul dezvoltării sarcinii, membranele fetale; sistemul „mamă-făt”.
14.	08.05 – 12.05	TESTARE ȘI DIAGNOSTIC PE CAPITOLELE: SISTEMUL RESPIRATOR, PIELEA ȘI DERIVATELE EI, SISTEMUL URINAR, SISTEMUL GENITAL MASCULIN ȘI FEMENIN.
15.	15.05 – 19.05	ATESTAREA

Şef catedră, profesor universitar

Lilian Şaptefrați



Approved at the department meeting, process verbal №6 from 20.01.2023

SCHEDULE

of the **practical lessons** on Histology, Cytology and Embryology for the students of the II year of study,
Medicine faculty, IV term, academic year 2022-2023

Nr.	Date	Topic
1.	30.01 – 03.02	Cardiovascular system. Development, structure, histophysiology.
2.	06.02 – 10.02	Lymphatic organs. Development, structure, histophysiology.
3.	13.02 – 17.02	Endocrine system. Development, structure, histophysiology.
4.	20.02 – 24.02	Sense organs. Development, structure, histophysiology.
5.	27.02 – 03.03	TEST AND DIAGNOSTIC: NERVOUS SYSTEM, CARDIOVASCULAR SYSTEM, SENSE ORGANS, LYMPHATIC ORGANS, HEMOPOIESIS, ENDOCRINE SYSTEM.
6.	06.03 – 10.03	Digestive system. Morphofunctional characteristic. Oral cavity. Structure and histophysiology of the lips, cheeks, gums, hard and soft palate, tongue, palatine tonsils. Teeth and supporting tissues. Development and structure of the teeth.
7.	13.03 – 17.03	Digestive system. Pharynx. Esophagus. Stomach. Small and large intestine. Development, structure, histophysiology.
8.	20.03 – 24.03	Digestive system. Salivary glands. Pancreas. Liver. Development, structure, histophysiology.
9.	27.03 – 31.03	TEST AND DIAGNOSTIC OF DIGESTIVE SYSTEM.
10.	03.04 – 07.04	Respiratory system. Integumentary system. Development, structure, histophysiology.
11.	10.04 – 14.04	Urinary system. Development, structure, histophysiology.
12.	24.04 – 28.04	Male reproductive system. Development, structure, histophysiology.
13.	01.05 – 05.05	Female reproductive system. Development, structure, histophysiology. Cyclic modifications in women. Human placenta. Its structure and functions. Modifications of the endometrium in pregnancy, fetal membranes, system “mother-fetus”.
14.	08.05 – 12.05	TEST AND DIAGNOSTIC: RESPIRATORY SYSTEM, INTEGUMENTARY SYSTEM, URINARY SYSTEM, MALE AND FEMALE REPRODUCTIVE SYSTEM.
15.	15.05 – 19.05	ATTESTATION

Head of Department

Lilian Saptefrați



Approved at the department meeting, process verbal №1 from 20.01.2023

SCHEDEULE

of the **practical lessons** on Histology, cytology and embryology for the students of the II year of study, **Medicine faculty**, III term, academic year 2022-2023

	Date	Topic
1.	30.01 – 03.02	Introduction. Histological techniques. Methods of study in the cytology, embryology and histology. Shapes of the cells. Morphology of cells and postcellular structures. Cellular membrane . System of the barrier, reception and transport. Intercellular junctions .
2.	06.02 – 10.02	Cytology. Cytoplasm contents – hyaloplasm, organelles (system of synthesis, system of intracellular digestion, system of energy, cytoskeleton), and inclusions. The cell nucleus .
3.	13.02 – 17.02	Cytology. Cell cycle . Self-reproduction. Cell reaction on the action of the external environment. Cells death. Necrosis. Apoptosis. Test on “Cytology” .
4.	20.02 – 24.02	Notion of the general embryology: basic stages of the embryonic development, their biological role. Sex cells. First week of the development: fertilization, cleavage. Blastocyst stage. Differentiation of trophoblast at the beginning of implantation.
5.	27.02 – 03.03	Second and third weeks of the embryonic development: first stage of gastrulation, second stage of the gastrulation. Neurulation. Extraembryonic organs: amnion, chorion, yolk sac, allantois, umbilical cord. Factors of risk in the prenatal development. Critical periods of the development. Test on “Embryology” .
6.	06.03 – 10.03	Tissues studying. Epithelial tissues. Glandular epithelium.
7.	13.03 – 17.03	Tissues of the internal environment. Mesenchyme. Blood and lymph.
8.	20.03 – 24.03	Embryonic and postembryonic haemopoiesis.
9.	27.03 – 31.03	Connective tissues. Proper connective tissues.
10.	03.04 – 07.04	Skeletal connective tissues (cartilage and bone).
11.	10.04 – 14.04	Muscle tissue.
12.	24.04 – 28.04	Nervous tissue. Neurons. Neuroglia. Nerve fibers. Nerve endings.
13.	01.05 – 05.05	Nervous system. Spinal ganglion. Peripheral nerve. Spinal cord. Brain. Cerebellum. Cortex of brain. Vegetative nervous system.
14.	08.05 – 12.05	TEST and SLIDES: GENERAL HISTOLOGY
15.	15.05 – 19.05	ATTESTATION

Head of Department

Lilian Șaptefrață



Утверждённый на заседании кафедры, протокол №6 от 20.01.2023

ПЛАН

практических занятий для студентов второго курса, **Лечебного факультета,**
IV семестр, учебный год 2022-2023

№	Дата	Тема
1.	30.01 – 03.02	Сердечно-сосудистая система. Артерии, вены, сердце, микроциркуляторное русло.
2.	06.02 – 10.02	Органы кроветворения и иммунной защиты. Развитие, строение, гистофизиология.
3.	13.02 – 17.02	Эндокринная система. Центральные эндокринные железы. Периферические эндокринные железы. Развитие, строение, гистофизиология.
4.	20.02 – 24.02	Органы чувств. Развитие, строение, гистофизиология.
5.	27.02 – 03.03	ТЕСТИРОВАНИЕ И ДИАГНОСТИКУМ ПО ТЕМАМ: НЕРВНАЯ СИСТЕМА, СЕРДЕЧНО-СОСУДИСТАЯ СИСТЕМА, ОРГАНЫ ЧУВСТВ, ОРГАНЫ КРОВЕТВОРЕНИЯ И ИММУННОЙ ЗАЩИТЫ, КРОВЕТВОРЕНИК, ЭНДОКРИННАЯ СИСТЕМА.
6.	06.03 – 10.03	Пищеварительная система. Строение и гистофизиология губы, щеки, твердого неба, мягкого неба, языка, миндалин. Развитие и прорезывание молочных и постоянных зубов.
7.	13.03 – 17.03	Пищеварительная система. Глотка. Пищевод. Желудок. Тонкая кишка. Толстая кишка. Строение, гистофизиология.
8.	20.03 – 24.03	Пищеварительная система. слюнных желез Поджелудочная железа. Печень. Строение, гистофизиология.
9.	27.03 – 31.03	ТЕСТИРОВАНИЕ И ДИАГНОСТИКУМ ПО ТЕМЕ: ПИЩЕВАРИТЕЛЬНАЯ СИСТЕМА.
10.	03.04 – 07.04	Дыхательная система. Кожа и ее производные. Строение, гистофизиология.
11.	10.04 – 14.04	Мочевыделительная система. Строение, гистофизиология.
12.	24.04 – 28.04	Мужская половая система. Строение, гистофизиология.
13.	01.05 – 05.05	Женская половая система. Яичник, матка, маточные трубы, молочная железа. Строение, гистофизиология. Циклические изменения женского организма. Человеческая плацента. Строение и ее функции. Изменения эндометрия во время беременности; плодные оболочки.
14.	08.05 – 12.05	ДИАГНОСТИКУМ ПО ТЕМАМ: ДЫХАТЕЛЬНАЯ СИСТЕМА, КОЖА И ЕЕ ПРИЗВОДНЫЕ, МОЧЕВЫДЕЛИТЕЛЬНАЯ СИСТЕМА, МУЖСКАЯ ПОЛОВАЯ СИСТЕМА И ЖЕНСКАЯ ПОЛОВАЯ СИСТЕМА.
15.	15.05 – 19.05	АТТЕСТАЦИЯ

Заведующий кафедрой

Лилиан Шаптефраць