

Programme of HISTOLOGY and EMBRYOLOGY 2 practica for 2nd class students of *Dentistry*, winter semester 2024/2025



Week 2 23 - 27 September 2024	Cardiovascular system <i>Specimens (7):</i> Cor (HE), Cor – Purkynje fibers of heart conducting system (trichrome), Aorta (trichrome, orcein – see the picture of specimen N.28 in 1st semester), Arteria carotis et vena jugularis (Azan), Muscular artery (Verhoeff's trichrome) – D (only demonstration by teacher), Capillaries and other vessels in adipose tissue (Azan)
Week 3 30 September - 4 October	Digestive system 1 <i>Specimens (9):</i> Labium oris (HE), Lingua: dorsum, radix, papillae vallatae (HE), Gingiva (HE or trichrome), Oesophagus (trichrome), Gaster: Corpus ventriculi (HE), Intestinum tenue (HE), Colon (HE)
Week 4 7 - 11 October	Digestive system 2 <i>Specimens (10):</i> Gl. parotis (HE), Gl. submandibularis (HE), Gl. sublingualis (HE), Pancreas (HE), Hepar (trichrome/Azan), Vesica fellea (trichrome), Tooth/Dens (HE), Tooth/Dens, transversal section (without staining), Tooth/Dens, development – cup stage (HE), Tooth/Dens, development – bell stage (HE)
Week 5 14 - 18 October	Lymphatic system <i>Specimen (6):</i> Processus vermiformis/Appendix (HE), Tonsilla palatina (HE), Nodus lymphaticus (HE, impregnation of reticular fibers), Thymus lymphaticus (HE), Lien (HE)
Week 6 21 - 25 October	Respiratory system <i>Specimens (5):</i> Epiglottis (HE), Larynx (HE), Trachea (HE), Pulmo (HE, trichrome)
Week 7 28 October - 1 November	Urinary system <i>Specimens (4):</i> Ren (HE, Lillie – impregnation of reticular fibers), Ureter (trichrome), Vesica urinaria (trichrome) <u><i>1st Partial test (themes of 2 – 6 weeks)</i></u>

- Week 8
4 - 8 November **Male reproductive system**
Specimens (4): Testis (IH-E), Ductus deferens and Epididymis (Azan), Prostate (HE), Penis (trichrome)
Female reproductive system
Specimens (4): Ovarium (trichrome), Tuba uterina (HE), Uterus: secretory phase (HE), Placenta fetalis (HE)
- Week 9
11 - 15 November **Endocrine glands**
Specimens (6): Hypophysis (Gömöri), Gl.pinealis - Epiphysis cerebri (HE), Gl. thyroidea (HE), Gl. parathyroidea (trichrome), Gl. suprarenalis (HE, impregnation of reticular fibers, Lillie)
- Week 10
18 - 22 November **Nervous system**
Specimens (7): Medulla spinalis (HE), Cerebrum (luxol blue and kresyl violet), Cerebellum (Holmes), Ganglion spinale (HE) - D, Nervus spinalis: transversal section (HE), Nervus opticus – transversal section (HE), Plexus choroideus (Azan)
- Week 11
25 - 29 November **Eye and ear**
Specimens (2): Bulbus oculi (HE), Auris interna (HE)
Cutis
Specimens (4): Cutis: thin type (HE, orcein), Cutis – thick type (HE), Cutis cum capilli (HE)
- Week 12 (2 hours)
2 – 6 December *2nd Partial test (themes of 7 – 12 weeks)*
Substitution of missing practica. Credits (for students who will have passed 2 Partial tests, fulfilled attendance requirements, and drawn all tissue slides). *Credit test* will include questions of all the topics covered during the semester. Term of the test will be determined by the teacher.

Explanations: "D" means that the specimen will only be demonstrated by the teacher and will not be included in the specimen box.

Notice: At the beginning of the practicum will be written a short *Opening test*. *Partial tests* will be written in 7th and 12th weeks. *Correction credit tests* (possibility only of one correction credit test) is written by students who did not achieve at least 70% of correct answers of credit test, the date will be determined by their teacher.

CONDITIONS for granting credits from the subject HaE2:

- 1) **Lectures:** Knowledge obtained during lectures and also knowledge from textbooks on the topic. The lecture attendance is essential given that lecture topics are intertwined and directly followed by the topics of DTSS.
- 2) **Practical trainings:**
 - a) **Knowledge** from distance theoretical seminars (DTS) and knowledge from textbooks on a given topic of the teaching week, always in advance before the practicum. The lecture attendance is essential given that lecture topics are intertwined and directly followed by the topics of DTSS.
 - b) Participation in the **opening test** at the beginning of each practicum. Rating test: At the end of the semester, a teacher will pick the better half of the students who will obtain a benefit in the evaluation of the semester.
 - c) Pass two **Partial tests** during the semester, written in the 7th and 12th weeks. The average test results must be at least 70%. If a student does not reach this required average, the student will write a **Credit test** at the end of the semester. The cutoff score is also 70%.
 - d) If, for serious reasons, a student cannot write the partial or credit test with their group within the specified deadline, they must agree with their teacher on a replacement date. Writing a test with another group without their teacher's approval will not be accepted.
 - e) Preparation of figures/pictures (own drawings or photographs) with detailed structures of **all histological specimens** in a notebook/tablet.
 - f) **Active presence** at the practica with a maximum of 1 missed but substituted.
According to *Internal Regulations of Comenius University Bratislava, Faculty of Medicine, Internal Regulation No. 31/2023*:
 - If a student has 1 absence, she/he must substitute it at the end of the semester - according to the agreement with her/his teacher.
 - If a student has 2 or 3 absences, she/he must substitute them at the end of the semester according to the agreement with the head of the institute, no later than by the end of the semester.
 - If a student has 4 or more absences, it is impossible to give them the credits (the Vice-dean is in charge if this situation occurs).
 - g) **December preterms** will be available only for those students who will reach the 70% average from the Partial tests.

Prof. RNDr. Ivan Varga, PhD et PhD.
head of the institute

Bratislava 9th September 2024