

Programme of HISTOLOGY and EMBRYOLOGY 2 practica for 2nd class students of *Dentistry*, winter semester 2023/2024



Week 2 18 - 22 September 2023	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 (Verhoeffov trichrome) - D, Capillaries and other vessels in adipose tissue (Azan)
Week 3 25 – 29 September	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 2 – 6 October	Digestive system 2 <i>Specimens (9):</i> Gl. parotis (HE), Gl. submandibularis et sublingualis (HE), Pancreas (HE), Hepar (trichrome/Azan), Vesica fellea (trichrome), Dens (HE), Dens, transversal section (without staining), Dens, development – cup stage (HE), Dens, development – bell stage (HE)
Week 5 9 -13 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 16 – 20 October	Respiratory system <i>Specimens (5):</i> Epiglottis (HE), Larynx (HE), Trachea (HE), Pulmo (HE, trichrome)
Week 7 23 – 27 October	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
**30 October –
- 3 November**

Male reproductive system

Specimens (4): Testis (HE), 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
6 – 10 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
13 – 17 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
20 - 24 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)
**27 November -
1 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* (for students who failed Partial tests) 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 each practicum will be written a short *Opening test*. *Partial tests* will be written in 7th and 12th weeks, *Credit test* in 14th week (only for the students who did not achieve a minimum 70 % of correct answers on average from both Partial tests). *Correction credit tests* (possibility 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 from lectures and textbooks on the topic. The lecture attendance is essential given that lecture topics are intertwined and directly followed by the topics of DTSs.

2) **Practica:**

a) Knowledge from Distance theoretical seminars (DTSs) and knowledge from textbooks on a given topic of the teaching week, always in advance before the practicum. DTSs are available in MS TEAMS.

b) 100% presence and active participation at the practica with a maximum of 2 missed but substituted classes.

c) Participation in the **Opening test** at the beginning of each practicum.

d) Draw and describe all histological slides in their own notebook or tablet

3) Pass two **Partial tests** during the semester, written in the 7th and 12th weeks. The average test results must be at least 70% of correct answers. If a student does not reach this required average, the student will write the *Credit test* (questions from the whole semester) with a minimum requirement of 70% of correct answers at the end of the semester. The evaluation of the **Opening tests**: At the end of the semester, a teacher will pick the better half of the students who will obtain a benefit when evaluating the Partial test averages.

4) If, for serious reasons, students cannot write the Partial or Credit test with their group within the specified deadline, they must agree with their teacher on their replacement. Writing a test with another group without their teacher's prior approval will not be accepted.

5) December preterms will be available only for those students who will reach the 70% average from the Partial tests (considering the Opening test results).

6) According to Dean's Regulation No.3/2010: (<https://zona.fmed.uniba.sk/en/study/for-students/study-regulations/>):

- If the students have 1 or 2 absences, they must substitute them at the end of the semester – according to the agreement with their teacher.
- If students have 3 or 4 absences, they must substitute them at the end of the semester and pay (15,- € for 1 hour) in the cash office in advance.
- If students have 5 or more absences, giving them the credits will not be possible.

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

In Bratislava 4th September 2023