

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



Week 2 <b>18 - 22 September 2023</b>	<b>Cardiovascular System</b> <i>Specimens (7):</i> Cor (HE), Cor – Purkinje fibres 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 <b>25 – 29 September</b>	<b>Digestive System 1</b> <i>Specimens (11):</i> Lingua: dorsum, radix, papillae vallatae (HE), Dens (HE), Dens, development – cup stage (HE), Oesophagus (trichrome), Gaster: Corpus ventriculi (HE), Fundus ventriculi (cel. blue, kongo red, PAS) - D, Pylorus (Azan) - D, Intestinum tenue (HE), Colon (HE)
Week 4 <b>2 – 6 October</b>	<b>Digestive System 2</b> <i>Specimens (7):</i> Gl. parotis (HE), Gl. submandibularis et sublingualis (HE), Pancreas (HE), Hepar (HE, trichrome/Azan, impregnation of reticular fibres), Vesica fellea (trichrome)
Week 5 <b>9 -13 October</b>	<b>Lymphatic System</b> <i>Specimens (6):</i> Processus vermiformis/Appendix (HE), Tonsilla palatina (HE), Nodus lymphaticus (HE, impregnation of reticular fibres), Thymus lymphaticus (HE), Lien (HE)
Week 6 <b>16 – 20 October</b>	<b>Respiratory System</b> <i>Specimens (5):</i> Epiglottis (HE), Larynx (HE), Trachea (HE), Pulmo (HE, trichrome)
Week 7 <b>23 – 27 October</b>	<b>Urinary System</b> <i>Specimens (4):</i> Ren (HE, Lillie – impregnation of reticular fibres), 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 (6):* Testis (HE), Epididymis (HE), Ductus deferens and epididymis (Azan), Prostate (HE), Penis (trichrome), Vesicula seminalis (HE)

Week 9  
**6 – 10 November**

### **Female Reproductive System and Selected Embryological Structures**

*Specimens (12):* Ovarium (trichrome), Ovarium - Corpus luteum (1st month of pregnancy, HE), Tuba uterina (HE), Uterus: proliferative phase (HE) - D, Uterus: secretory phase (HE), Cervix uteri (HE), Decidua (4th month of pregnancy, HE) - D, Vagina (HE), Gl. mammae lactans (trichrome), Villi choriales (2nd month of development, HE) - D, Placenta fetalis (HE), Umbilicus (5th month of pregnancy, trichrome)

Week 10  
**13 – 17 November**

### **Endocrine Glands**

*Specimens (7):* Hypophysis (HE, Gömöri), Gl.pinealis - Epiphysis cerebri (HE), Gl. thyroidea (HE), Gl. parathyroidea (trichrome), Gl. suprarenalis (HE, impregnation of reticular fibres, Lillie)

Week 11  
**20 - 24 November**

### **Nervous System**

*Specimens (7):* Medulla spinalis (HE), Cerebrum (luxol blue and cresyl violet), Cerebellum (Holmes), Ganglion spinale (HE) - D, Nervus spinalis: transversal section (HE), Nervus opticus – transversal section (HE), Plexus choroideus (Azan)

Week 12  
**27 November -  
1 December**

### **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 13  
**4 – 8 December**

2nd Partial test (themes of 7 – 12 weeks)

Week 14  
**11 – 15 December**

(2 hours) **Substitution of missing practica. Credits** (for students who will have passed two Partial tests, fulfilled attendance requirements, and drew all tissue slides). *Credit test* (for students who failed Partial tests). The Credit test will include questions about all the topics covered during the semester.

**Explanations:** “D” means that the teacher will only demonstrate the specimen and will not be included in the specimen box.

**Notice:** A short **Opening test** will be written at the beginning of each practicum. *Partial tests* will be written in the 7th and 13th weeks, and *Credit test* in the 14th week (only for the students who will not achieve a minimum of 70 % of correct answers on average from both Partial tests). *Correction credit tests (possibility of one Correction credit test) will be written by students who will not achieve at least 70% of correct answers on the Credit test. Their teacher will determine the date).*

**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 DTSSs.

**2) Practica:** a) Knowledge from Distance theoretical seminars (DTSSs) and knowledge from textbooks on a given topic of the teaching week, always in advance before the practicum. DTSSs 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 13th 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 or 5 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 6 or more absences, giving them the credits will not be possible.

Bratislava 4th September 2023

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head of the Institute