

Programme of HISTOLOGY and EMBRYOLOGY 2 practica for 2nd class students of *Dentistry*, winter semester 2026/2027



Week 2 21 - 25 September 2026	Cardiovascular system <i>Specimens (7):</i> Cor (HE), Cor – Purkinje fibers of heart conducting system (trichrome), Aorta (trichrome, orcein – see the 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 28 September - 2 October	Digestive system 1 <i>Specimens (8):</i> Labium oris (HE), Lingua: dorsum, papillae vallatae (HE), Gingiva (HE or trichrome), Oesophagus (trichrome), Gaster: Corpus ventriculi (HE), Intestinum tenue (HE), Colon (HE)
Week 4 5 – 9 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 12 - 16 October	Lymphatic system <i>Specimen (7):</i> Processus vermiformis/Appendix (HE), Tonsilla palatina (HE), Tonsilla lingualis, radix linguae (HE), Nodus lymphaticus (HE, impregnation of reticular fibers), Thymus lymphaticus (HE), Lien (HE)
Week 6 19 - 23 October	Respiratory system <i>Specimens (5):</i> Epiglottis (HE), Larynx (HE), Trachea (HE), Pulmo (HE, trichrome) Urinary system <i>Specimens (4):</i> Ren (HE, Lillie – impregnation of reticular fibers), Ureter (trichrome), Vesica urinaria (trichrome)
Week 7 26 - 30 October	<u>1st Partial test</u> (themes of 2nd – 6th weeks)
Week 8 2 - 6 November	Male reproductive system <i>Specimens (4):</i> 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

9 - 13 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

16 - 20 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

23 – 27 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

30 November

2nd Partial test (themes of 8th – 11th week)

Substitution of missing practica. Credits (for students who were who were successful in the interim tests - achieved an average of at least 70% of correct answers, have correct attendance at the presence practica and have drawn/photographed all preparations from the semester with important structures marked).

Credit test (date by agreement with 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: In the 7th and 12th weeks, Partial tests are written. The Credit test contains questions from the entire semester and is written by those students who were not successful in both Partial tests (i.e. did not achieve an average of at least 70% of correct answers in both tests). It is necessary to achieve at least 70% of correct answers again. The retake Credit test (only one retake Credit test is possible) is written by students who did not achieve at least 70% of correct answers in the Credit test). The date of the Credit and retake Credit test will be determined after agreement with the teacher.

CONDITIONS for granting credits from the subject HaE2:

- 1) **Lectures:** Knowledge obtained during lectures and also knowledge from textbooks on the topic. Lecture attendance is essential given that lecture topics are intertwined and directly followed by the topics of distance theoretical seminars (DTSs).
- 2) **Practical training:**
 - a) **Knowledge** from DTSs and knowledge from textbooks on a given topic of the teaching week, always in advance, before the practicum.
 - b) **100% active presence** at the presence form practica with a maximum of 1 missed, but substituted practicum.
 - c) Participation in an **introductory activity at the beginning of the practicum**. Active students will receive a record of their activity in their student card, which may be taken into account in the final exam.
 - d) Preparation of figures/pictures (own drawings or photographs) with detailed structures of **all histological specimens** in a notebook/tablet.
 - e) Pass two **Partial tests** during the semester. If a student does not reach this required average, they will write a **Credit test** at the end of the semester.
 - f) 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.
 - g) Only students who were successful in the Partial tests (i.e., not those students who had to write a Credit test) can register for the **December pre-term/final exam**.

Prof. RNDr. Ivan Varga, PhD et PhD.

The Head of the Institute

Bratislava, 1st September 2026