

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



Week 2 21 - 25 September 2026	Cardiovascular System <i>Specimens (7):</i> Cor (HE), Cor – Purkinje fibres 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 (10):</i> Lingua: dorsum, papillae vallatae (HE), Tooth/Dens (HE), Tooth/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 5 – 9 October	Digestive System 2 <i>Specimens (8):</i> Gl. parotis (HE), Gl. submandibularis (HE), Gl. sublingualis (HE), Pancreas (HE), Hepar (HE, trichrome/Azan, impregnation of reticular fibres), Vesica fellea (trichrome)
Week 5 12 -16 October	Lymphatic System <i>Specimens (7):</i> Processus vermiformis/Appendix (HE), Tonsilla palatina (HE), Tonsilla lingualis, radix linguae (HE), Nodus lymphaticus (HE, impregnation of reticular fibres), Thymus lymphaticus (HE), Lien (HE)
	<i>Morphology of organs through the USG simulator at the Institute of Medical Education and Simulations</i>
Week 6 19 – 23 October	Respiratory System <i>Specimens (5):</i> Epiglottis (HE), Larynx (HE), Trachea (HE), Pulmo (HE, trichrome)
Week 7 26 - 30 October	Urinary System <i>Specimens (4):</i> Ren (HE, Lillie – impregnation of reticular fibres), Ureter (trichrome), Vesica urinaria (trichrome)
Week 8 2 – 6 November	Male Reproductive System <i>Specimens (6):</i> Testis (IH-E), Epididymis (HE), Ductus deferens and epididymis (Azan), Prostate (HE), Penis (trichrome) Vesicula seminalis (HE), <u>1st Partial test</u> (themes of 2nd – 7th week)

Week 9 9 – 13 November	Female Reproductive System and Selected Embryological Structures <i>Specimens (12):</i> 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 chorales (2nd month of development, HE) - D, Placenta fetalis (HE), Umbilicus (5th month of pregnancy, trichrome)
Week 10 16 – 20 November	Endocrine Glands <i>Specimens (7):</i> Hypophysis (HE, Gömöri), Gl.pinealis - Epiphysis cerebri (HE), Gl. thyroidea (HE), Gl. parathyroidea (trichrome), Gl. suprarenalis (HE, impregnation of reticular fibres, Lillie)
Week 11 23 - 27 November	Nervous System <i>Specimens (7):</i> 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 30 November - 4 December	Eye and Ear <i>Specimens (2):</i> Bulbus oculi (HE), Auris interna (HE) Cutis <i>Specimens (4):</i> Cutis: thin type (HE, orcein), Cutis – thick type (HE), Cutis cum capilli (HE)
Week 13 7 – 11 December	<u>2nd Partial test</u> (themes of 8th – 12th week)
Week 14 14 – 18 December	Substitution of missing practica. Credits (for students who were successful in 2 Partial tests, fulfilled attendance requirements, and drawn (photographed and annotated) all tissue slides. <i>Credit test.</i>

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

Notice: In the 8th and 13th 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). Credit test will be written in the 14th week. 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 retake credit test will be determined after agreement with the teacher.

CONDITIONS for awarding credits from the subject HaE2:

- 1) **Lectures:** Knowledge obtained during lectures and also knowledge from textbooks on the topic. Lecture attendance is essential, as lecture topics are closely intertwined and directly follow the topics of DTSs.
- 2) **Practica:**
 - 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.
 - b) **100% active presence** at the practica with a maximum of 2 missed but substituted absences.
 - c) Active participation in an **introductory activity at the beginning of the practical training**. Active students will receive a note of their activity in the student card, which may also 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 (70%), the student 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**.

Bratislava, 1st September 2026

Prof. RNDr. Ivan Varga, PhD et PhD..

The Head of the Institute