

**Programme of of lectures and practices in histology and embryology
for the 2nd year of Dentistry (aZL)**

Education week 2016	LECTURES	PRACTICES
19. 09. – 23. 09.	Microscopic structure of the lymphatic organs. Monocyte-macrophage system.	Repetition of tissues and cardiovascular system.
26. 09. – 30. 09.	<i>Wed 28.9. public holiday</i>	
03. 10. – 07. 10.	Microscopic structure of respiratory system: Nasal cavity, structure of the larynx and trachea. Structure of the lungs, blood – air barrier. Development of the respiratory system.	Microscopic structure of the lymphatic organs. <u>Slides</u> : thymus, lymphonodus, lien, tonsillae (palatina et lingualis).
10. 10. – 14. 10.	GIT II: General structure of the wall of digestive tube. Microscopic structure of the oesophagus, stomach and intestines.	Microscopic structure of respiratory system. <u>Slides</u> : concha nasi, epiglottis, larynx, trachea, pulmo.
17. 10. – 21. 10.	GIT III: Microscopic structure of the liver, gallbladder, gall ducts, and pancreas. Overview of development of the gut.	Microscopic structure of the digestive system II. <u>Slides</u> : oesophagus, cardia, fundus ventriculi, pylorus, duodenum, intestinum tenue.
24. 10. – 28. 10.	Microscopic structure and development of the urinary system. Nephron - its structure, histotopography, and function. Blood circulation of kidneys. Urinary passages. Stages in development of kidneys.	Microscopic structure of the digestive system III. <u>Slides</u> : intestinum crassum. appendix, anus, hepar, vesica fellea, pancreas.
31. 10. – 04. 11.	Microscopic structure of the male reproductive system: Testis, excretory genital ducts, accessory genital glands, penis. Spermato- and spermiogenesis. Composition of the sperm.	Microscopic structure of the urinary system. <u>Slides</u> : ren, calyx renalis, ureter, vesica urinialis, urethra feminina, pars cavernosa urethrae masculinae.
07. 11. – 11. 11.	Microscopic structure of the female reproductive system: Ovary, oviduct, uterus, vagina, external genitalia. Ovarian cycle, ovulation, atresia. Oogenesis. Menstrual cycle. The menstrual and ovarian cycle – relations.	Microscopic structure of the male reproductive system. <u>Slides</u> : testis, epididymis, funiculus spermaticus, glandula vesiculosa, prostate, penis.
14. 11. – 18. 11.	Development of internal and external sexual organs. General characteristics of the indiferent stage.	Microscopic structure of the female reproductive system. <u>Slides</u> : ovarium, corpus luteum, tuba uterina - ampulla, tuba uterina - isthmus, uterus - prolipherative and secretory phases, vagina, labium minus, placenta, funiculus umbilicalis.
21. 11. – 25. 11.	Microscopic structure, histophysiology and development of endocrine glands: Hypophysis, epiphysis, thyroid gland, parathyroid glands, adrenal gland, and islets of Langerhans. Principles of humoral regulation.	

28. 11. – 02. 12.	Microscopic structure and development of the central and peripheral nervous system. Structure of gray matters in the CNS: Iso- and allocortex, cerebellar cortex, spinal cord. Meninges. Ganglia and peripheral nerves. Overview of development of the brain and spinal cord. Histogenesis of the neural tube.	Microscopic structure of endocrine glands. <u>Slides</u> : hypophysis cerebri, epiphysis, glandula thyreoidea, glandula parathyreoidea, glandula suprarenalis, islets of Langerhans.
05. 12. – 09. 12.	Microscopic structure of the ear. Major structural differences between the statokinetic and acoustic compartments. Overview of development of the vestibulocochlear organ.	Microscopic structure of the sensory organs. <u>The eye - slides</u> : anterior eye segment, posterior eye segment, fasciculus opticus, palpebra, glandula lacrimalis. <u>The ear - slides</u> : cochlea, auricula.
12. 12. – 16. 12.	Microscopic structure of the organ of vision: The eye and its refractive (dioptric) media. Accessory structures of the eye. Overview of development of the eye.	Microscopic structure of the central and peripheral nervous system. <u>Slides</u> : cortex cerebri, cerebellum, medulla spinalis, ganglion spinale (the dorsal root ganglion), ganglion vegetativum (the autonomic ganglion), peripheral nerve.
19. 12. – 23. 12.	Microscopic structure and development of the skin and skin derivatives. Mammary gland.	Microscopic structure of the skin and skin derivatives. <u>Slides</u> : skin from the tip of the finger, skin from the axilla, skin with hairs, nail, mamma non lactans, mamma lactans. Credits.

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přednosta ústavu

02. 01. – 06. 01. 2017		
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