

Program of lectures on animal anatomy for first-year Veterinary Medicine students

2nd semester

1. Anatomy of the head – [24-02-2025; dr hab. Waldemar Sienkiewicz, prof. UWM]

Cranial nerves – general information, classification [motor, sensory (sense), mixed]; base of skull region – cranial nerves IX, X, XI and XII, and blood vessels (common, external and internal carotid arteries, carotid sinus)

2. Anatomy of the head – [03-03-2025; dr hab. Waldemar Sienkiewicz, prof. UWM]

Sublingual region – cranial nerve XII, lingual nerve (branch of nerve V), chorda tympani, innervation of mandibular and sublingual salivary glands, lingual artery and maxillary arteries (internal and external); parotid region – cranial nerve VII and innervation of the parotid gland

3. Anatomy of the head – [10-03-2025; dr hab. Waldemar Sienkiewicz, prof. UWM]

Region of the sphenopalatine foramen – branches of the cranial nerve V (ophthalmic, maxillary and mandibular nerves); innervation of the lacrimal gland; anatomy of the lacrimal apparatus

4. Anatomy of the head – [17-03-2025; dr hab. Waldemar Sienkiewicz, prof. UWM]

Anatomy of the eye and ear

5. Thoracic cavity – [24-03-2025; dr hab. Zenon Pidsudko, prof. UWM]

Pleura, pleural sac, parietal and pulmonary pleura, pleural recesses, anatomy of the pericardial sac (including developmental considerations); development of cardinal veins – brachiocephalic veins, oblique vein of the left atrium, coronary sinus of the heart

6. Thoracic cavity – [31-03-2025; dr hab. Zenon Pidsudko, prof. UWM]

Anatomy of the heart (including the cardiac conduction system); innervations of the heart (Cyon-Ludvig and Hering reflexes); fetal circulation

7. Abdominal cavity – [07-04-2025; dr hab. Michał Załęcki, prof. UWM]

Regions of the abdominal cavity; peritoneum: the development of the peritoneal sac considering the origin of the greater and lesser omentum; omental bursa and other peritoneal related structures (mesenteries, ligaments, folds); diaphragmatic ligaments of the liver; the development of the liver and pancreas

8. Abdominal cavity – [14-04-2025; dr hab. Michał Załęcki, prof. UWM]

Comparative anatomy of the stomach; abdominal organs in the dog and cat; anatomy of the anus

9. Abdominal cavity – [28-04-2025; dr hab. Michał Załęcki, prof. UWM]

Abdominal organs in the horse and pig

10. Abdominal cavity – [*05-05-2025; dr hab. Michał Załęcki, prof. UWM]

Abdominal organs in ruminants; vascularization and innervation of abdominal organs

11. Pelvic cavity – [12-05-2025; dr hab. Zenon Pidsudko, prof. UWM]

Peritoneal relations in the pelvic cavity; the development of the urinary organs; comparative anatomy of the kidney, urinary bladder and male and female urethra

12. Pelvic cavity – [19-05-2025; dr hab. Zenon Pidsudko, prof. UWM]

The development of male reproductive organs; anatomy of the testis and scrotum; male accessory genital glands; male urethra (urogenital canal); comparative anatomy of the penis; innervation and vascularization of male reproductive organs

13. Pelvic cavity – [26-05-2025; dr hab. Zenon Pidsudko, prof. UWM]

The development of female reproductive organs; comparative anatomy of the ovary and ovarian bursa; comparative anatomy of the oviduct, uterus and vagina; urogenital sinus and female external genital organs; innervation and vascularization of female reproductive organs; placenta – general anatomy (fetal and maternal parts), types of placenta in domestic animal species considering the distribution pattern of chorionic villi and morpho-functional aspects (considering the maternal-fetal barrier, e.g. epitheliochorial placenta of the horse)

14. Common integument – [02-06-2025; dr Magdalena Klimczuk]

Anatomy of the skin and related structures – hair, horns, hooves, claws, skin-related glands

15. Lymphatic system – [09-06-2025; dr hab. Waldemar Sienkiewicz, prof. UWM]

Characterization of lymphatic organs - primary and secondary lymphoid organs; anatomical organization of the lymphatic system considering particular parts of the body – head, neck, limbs, thoracic, abdominal and pelvic cavity (lymph nodes, cisterna chyli, lymphatic trunks and ducts)

