

TOPOGRAPHIC VETERINARY ANATOMY II (3 CFU; 33 hours; 24 hrs of frontal lessons and 9 hrs of practical lessons)

Learning goal of the course: at the end of the course the student will know the regions of the body, the topography, the vasculature and the innervations of the organs and viscera contained in the splanchnic cavities.

Lectures

| Topics and skills | Subjects | Specific contents | Hours |
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| <p>1. TOPOGRAPHIC ANATOMY OF THE THORAX (5 HRS) [acquisition of: a) ability to recognize the limits and relations of the regions of the thorax b) ability to define the stratigraphy of the regions of the thorax c) ability to identify the relationships between the structures contained in the thorax d) knowledge concerning the course of vessels and nerves in the thorax]</p> | <p style="color: magenta;">Superficial regions of the thorax</p> | Back and costal regions: limits, relationships, stratigraphy, vessels and nerves. | 1 |
| | | Sternal and diaphragmatic regions: limits, relationships, stratigraphy, vessels and nerves. | 1 |
| | <p style="color: magenta;">Deep regions of the thorax</p> | pleuro-pulmonary and mediastinal regions: limits, relationships, stratigraphy, vessels and nerves. | 1 |
| | | Structures contained in the dorsal mediastinum: sympathetic trunk, azygos veins, ductus thoracicus, aorta thoracica, truncus brachiocephalicus and its divisions, thoracic tract of the windpipe, thoracic tract of the oesophagus, vagus nerves, lymph nodes. | 1 |
| | | Structures contained in the ventral mediastinum: heart, vena cava cranialis e vena cava caudalis, pulmonary trunk, phrenical nerves, thymus. [acquisition of: a) the ability to recognize the limits and relations of the regions of the thorax b) the ability to define the stratigraphy of the regions of the thorax c) ability to identify the relationships between the structures contained in the thorax d) knowledge of the course of vessels and nerves of the thorax] | 1 |
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| <p>2. TOPOGRAPHIC ANATOMY OF THE ABDOMEN (7 HRS) [acquisition of: a) ability to recognize the limits and relations of the regions of the abdomen b) ability to define the stratigraphy of the regions of the abdomen c) ability to identify the relationships between the structures contained in the abdomen d)</p> | <p style="color: magenta;">Superficial region of the abdomen</p> | Lumbar and sublumbar regions: limits, relationships, stratigraphy, vessels and nerves. | 1 |
| | | Ventrolateral abdominal and inguinal regions: limits, relationships, stratigraphy, vessels and nerves. Topography of the structures contained in the male and female canalis inguinalis. | 1 |
| | <p style="color: magenta;">Organs contained in the abdominal cavity</p> | Topography of liver, spleen, stomach, pancreas, and intestine of dog and cat; their vessels and nerves. | 1 |
| | | Topography of liver, spleen, stomach, pancreas, and intestine of horse; their vessels and nerves. | 1 |
| | | Topography of liver, spleen, forestomach, abomasum, pancreas, and intestine of bovine; their vessels and nerves. | 1 |
| | | Topography of the extraperitoneal organs (kidneys, adrenal glands, ureters, abdominal aorta, vena cava caudalis). | 1 |

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| knowledge concerning the course of vessels and nerves in the abdomen] | | Topography of uterus and ovaries; their vessels and nerves. | 1 |
| 3. TOPOGRAPHIC ANATOMY OF THE PELVIS (4 HRS) [acquisition of: a) ability to recognize the limits and relations of the regions of the pelvis b) ability to define the stratigraphy of the regions of the pelvis c) ability to identify the relationships between the structures contained in the pelvis d) knowledge concerning the course of vessels and nerves in the pelvis] | Superficial regions of the pelvis | Sacral and pelvic regions: limits, relationships, stratigraphy, vessels and nerves. Tail region. | 1 |
| | | Female perineal region: limits, relationships, stratigraphy, vessels and nerves. | 1 |
| | | Male perineal region: limits, relationships, stratigraphy, vessels and nerves. | 1 |
| | Structures contained in the pelvic cavity | Topography of rectum, bladder, vagina, urethra, and accessory genital (vesicular gland, prostate, and bulbo-urethral glands). | 1 |
| 4. TOPOGRAPHIC ANATOMY OF THE REGIONS RELATED TO THE PERINEUM (2 HRS) [acquisition of: a) ability to recognize the limits and relations of the regions related to the perineum, b) ability to define the stratigraphy of the regions related to the perineum c) knowledge of the course of vessels and nerves in the regions related to the perineum] | Topography of the structures related to the perineum | Mammary region in carnivore, ruminants, and horse: limits, relationships, stratigraphy, vessels and nerves. Pubic region in carnivore, ruminants, and horse: limits, relationships, stratigraphy, vessels and nerves. | 1 |
| | | Scrotal region in carnivore, ruminants, and horse: limits, relationships, stratigraphy, vessels and nerves. Topography of the testicle. | 1 |

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| 5. TOPOGRAPHIC ANATOMY OF THE NECK (2 HRS) [acquisition of: a) ability to recognize the limits and relations of the regions of the neck b) ability to define the stratigraphy of the regions of the neck c) ability to identify the relationships between the structures contained in the neck d) knowledge concerning the course of vessels and nerves in the necks] | Pair regions of the neck | Brachiocephalic, jugular, and parotid regions: limits, relationships, stratigraphy, vessels and nerves. | 1 |
| | Impair regions of the neck | Dorsal and ventral neck regions: limits, relationships, stratigraphy, vessels and nerves. | 1 |
| 6. TOPOGRAPHIC ANATOMY OF THE HEAD (4 HRS) [acquisition of: a) ability to recognize the limits and relations of the regions of the head b) ability to define the stratigraphy of the regions of the head c) ability to identify the relationships between the structures contained in the head d) knowledge concerning the course of vessels and nerves in the heads] | Regions of the head | Superficial regions of the head: limits, relationships, and stratigraphy. | 1 |
| | | Deep regions of the head: limits, relationships, and stratigraphy. | 1 |
| | Vessels and nerves of the head | Vessels of the head. | 1 |
| | | Nerves of the head. | 1 |
| Practical lessons | | | |
| Topics and skills | Subjects | Specific contents | Hours |
| 7. ABILITY TO RECOGNIZE AND DETECT THE REGIONS OF THE BODY AND THE STRUCTURES WHICH THEY | Regions of the thorax | Recognition and dissection of the superficial and deep regions of the thorax. | 1 |
| | | Detection and deduction of the topographical relationships of the structures contained in the thoracic cavity. | 1 |

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| <p>CONTAIN (6 HRS) [acquisition of: a) ability to recognize the regions of the body, b) ability to perform stratigraphic dissections of the trunk, c) ability to identify the topography of the structures contained in the splanchnic cavities; d) ability to identify the course of vessels and nerves of the trunk]</p> | <p>Regions of the abdomen</p> | Recognition and dissection of the superficial regions of the abdomen. | 1 |
| | | Detection and deduction of the topographical relationships of the structures contained in the abdominal cavity. | 1 |
| | <p>Regions of the pelvis</p> | Recognition and dissection of the superficial regions of the pelvis. | 1 |
| | | Detection and deduction of the topographical relationships of the structures contained in the pelvic cavity and related to the perineum. | 1 |
| <p>8. ABILITY TO RECOGNIZE AND DETECT THE REGIONS OF THE NECK AND THE HEAD (3 HRS) [acquisition of: a) ability to perform stratigraphic dissections of the neck and the head, b) ability to identify the topography of the structures contained in the neck and the head; c) ability to identify the course of vessels and nerves of the neck and the head]</p> | <p>Regions of the neck</p> | Recognition and dissection of the regions of the neck. | 1 |
| | <p>Regions of the head</p> | Recognition and dissection of the regions of the head. | 1 |
| | | Detection and deduction of the topographical relationships of the structures contained in the head. | 1 |