



Topographical anatomy

ECTS: 4.00

SUBJECT MATTER CONTENT

AUDITORIUM CLASSES

The knowledge obtained during lectures is developed during auditorium exercises - e.g. based on rtg pictures, ultrasound scans, computed tomography and magnetic resonance imaging.

LECTURE

Topography of parts of animal body: head, neck, trunk, chest, abdomen, pelvis, thoracic and pelvic limbs. Regions of body parts, their clinical significance, topographical points, stratygraphy, acces points to the nerves, localisation of the lymphonodes and blood vessels. Localisation of interal organs of the chest, abdominal and pelvic cavity, injections and punctions points. Anatomy of birds with particular emphasis on differences between birds and mammals. Imaging techniques of internal organs.

PRACTICAL CLASSES

The knowledge obtained during lectures is developed in a practical way during classes - based on anatomical specimens (body parts of animals, fixed and fresh bodies of birds) and during practical classes on live animals.

TEACHING OBJECTIVE

Student is able to describe the skeletotopy of individual organs and plane the surgical approach. Recognize and describe the anatomical structures at the rtg and usg pictures. Educational goal of the topographical anatomy is teaching the injections points into individual organsn and to local anaesthesia.

DESCRIPTION OF THE LEARNING OUTCOMES OF THE COURSE IN RELATION TO THE DESCRIPTION OF THE CHARACTERISTICS OF THE SECOND LEVEL LEARNING OUTCOMES FOR QUALIFICATIONS AT LEVELS 6-8 OF THE POLISH QUALIFICATION FRAMEWORK IN RELATION TO THE SCIENTIFIC DISCIPLINES AND THE EFFECTS FOR FIELDS OF STUDY:

Symbols for outcomes related to the discipline:

R/WA_P7S+++

Symbols for outcomes related to the field of study:

K.1.+ , A.U17. ++, K.3.+ , A.U21. ++, K.8.+ , B.U1. ++, B.U3. ++, B.W1. +, K.2.+ , A.W1. +, A.W3. +, A.U12. ++, A.W20. +, B.U2. ++, A.U13. ++, A.U19. ++, A.U15. ++, B.U17. ++, A.W2. +

LEARNING OUTCOMES:

Knowledge:

W1 – Knows the topographical anatomy of the domestic animals body, localisation of topographical points, localisation of the internal organs and clinical significance of particular body region.

Skills:

Legal acts specifying learning outcomes:
682/2020
Disciplines: Veterinary science
Status of the course:Obligatoryjny
Group of courses:A - przedmioty podstawowe
Code: ISCED 0841
Field of study:Veterinary Medicine
Scope of education:
Profile of education: General academic
Form of studies: full-time
Level of studies: uniform master's studies
Year/semester: 2/4

Types of classes: Lecture, Auditorium classes, Practical classes
Number of hours in semester:Lecture: 15.00, Auditorium classes: 20.00, Practical classes: 10.00
Language of instruction:Polish
Introductory subject: Animal anatomy I, Animal anatomy II
Prerequisites: Passed exams of Animal anatomy I and Animal anatomy II

Name of the organisational unit conducting the course:Katedra Anatomii Zwierząt
Person responsible for the realization of the course:dr hab. wet. Waldemar Sienkiewicz, prof. UWM
e-mail:
waldemar.sienkiewicz@uwm.edu.pl

Additional remarks: Classes should be performed in small groups, not larger than 10 students.

U1 – Is able to explain anatomical base of clinical examination of domestic animals. Knows the injection points for biopsy or local anaesthesia and plans the surgical approach to individual organs.

U2 – Student knows the basics of clinical examination and is able to recognize normal images of organs obtained with various imaging techniques.

Social competence:

K1 – Is aware of the importance of knowledge of topographic anatomy for a veterinarian and for further study of clinical issues. Demonstrates responsibility for decisions made towards people and animals.

TEACHING FORMS AND METHODS:

Lecture(W1;U1;U2;K1;):Lecture with multimedial presentation.

Auditorium classes(W1;U1;U2;K1;):Classes with using diagrams and multimedial presentations.

Practical classes(W1;U1;U2;K1;):Classes with using live animals and anatomical specimens.

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Lecture (Colloquium test) - Three written colloquiums will take place during the semester. The grade of the colloquium will be determined by averaging the grades obtained on particular questions. Rules for rounding grades: the average $\geq 4,76$: excellent (5,0); the average 4,26 – 4,75: very good (4,5); the average: 3,76 – 4,25: good (4,0); the average 3,26 – 3,75: satisfactory (3,5); the average $\leq 3,25$: sufficient (3,0). Student who fails colloquium may retake it only twice. In order to pass the subject it is required to have passed all colloquiums. Final grade for the subject is determined by averaging the grades (including failing grades) obtained on all colloquiums. Rules for rounding of final grade are the same as described above. Failure of any colloquiums constitutes failure of Topographical anatomy course. Only three absences (justified) in a semester are allowed. -

Auditorium classes (Colloquium test) - The verification of the achievement of learning outcomes with respect to these classes is carried out in the framework of described above colloquiums. -

Practical classes (Colloquium test) - The verification of the achievement of learning outcomes with respect to these classes is carried out in the framework of described above colloquiums. -

BASIC LITERATURE:

1. Krysiak K., *Anatomia zwierząt domowych.*, Wyd. PWN, R. 2009
2. Milart Z., *Anatomia topograficzna zwierząt domowych.*, Wyd. PWRiL, R. 1994
3. Popesko P., *Atlas anatomii topograficznej.*, Wyd. PWRiL, R. 1989
4. Lutnicki W., *Układ powłokowy zwierząt domowych.*, Wyd. PWN, R. 1983
5. Lutnicki W., *Narządy płciowe zwierząt domowych.*, Wyd. PWN, R. 1980
6. König H. E., *Anatomia zwierząt domowych.*, Wyd. Galaktyka, R. 2006
7. Flood P.F., *Atlas anatomii klinicznej konia.*, Wyd. Elsevier, Urban Partner,, R. 2008
8. Budras K., *Atlas anatomii psa.*, Wyd. Galaktyka, R. 2007

SUPPLEMENTARY LITERATURE:

1. Ashdown R.R., Done S.H., *Atlas anatomii przeżuwaczy.*, Wyd. Elsevier, Urban, R. 2010
2. Budras K., *Anatomy of the horse.*, Wyd. Schlutersche, R. 2001
3. Budras K., *Bovine anatomy.*, Wyd. Schlutersche, R. 2003