



Surgery of horses

ECTS: 4.00

SUBJECT MATTER CONTENT

LECTURE

The specificity of horse anesthesia. General and local regional and regional anesthesia. The concept of wounds and ways of healing wounds in horses. Thinning stallions: indications, methods, possible complications. Cryptorchidism in horses: the essence of the disease, diagnosis and surgical treatment. Fractures in horses: definitions, occurrence, diagnosis. Biology of fracture healing, osteosynthetic techniques used in horses. Treatment options for horse fractures. Diseases joints in horses: aseptic inflammation, bacterial inflammation, osteoarthritis. Ailments and wounds tendons. Hernias in horses: symptoms, diagnosis and treatment. Diagnosis of intestinal obstruction in horses. Choice treatment methods. Conservative and surgical treatment of intestinal obstruction in horses.

PRACTICAL CLASSES

The topics of the practical exercises include: Local and conduction anesthesia (infiltration, conduction, epidural, diagnostic). Practical application of dressings (hoof, shielding, warming, cooling). Orthopedic diagnostics (orthopedic and specialist examination, before sale). Surgical procedures in within the hoof (loss, excision of the hoof horn, treatments in the hoof capsule). Horse arthroscopy. Operational treatment of fractures in horses, surgery of the stylus bone. Surgical procedures for sport horses in during the competition. Wounds in horses, contusions in the limbs and torso. Treatments on the head and neck (rasping teeth, tooth extraction, sinus trepanation, laryngeal and tracheal surgery). Castration treatments on a standing horse and horse lying down. Cryptorchid treatment of horses. Horsemanship (grooming a horse, correction of hooves, forge, types orseshoes, orthopedic forging).

AUDITORIUM CLASSES

The topics of the auditorial exercises include: Local and conduction anesthesia (infiltration, conduction, epidural, diagnostic). Practical application of dressings (hoof, shielding, warming, cooling). Orthopedic diagnostics (orthopedic and specialist examination, before sale). Surgical procedures in within the hoof (loss, excision of the hoof horn, treatments in the hoof capsule). Horse arthroscopy. Operational treatment of fractures in horses, surgery of the stylus bone. Surgical procedures for sport horses in during the competition. Wounds in horses, contusions in the limbs and torso. Treatments on the head and neck (rasping teeth, tooth extraction, sinus trepanation, laryngeal and tracheal surgery). Castration treatments on a standing horse and horse lying down. Cryptorchid treatment of horses. Horsemanship (grooming a horse, correction of hooves, forge, types orseshoes, orthopedic forging).

TEACHING OBJECTIVE

The aim will be to acquire the ability to make independent decisions, make diagnosis and surgical treatment of lesions in horses.

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

Legal acts specifying learning outcomes:
682/2020
Disciplines: Veterinary science
Status of the course:Obligatoryjny
Group of courses:B - przedmioty kierunkowe
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: 5/9

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: Anatomy, topographic anatomy, pathophysiology, pharmacology, general surgery and anesthesiology
Prerequisites: Ability to tame animals, knowledge of the topography of individual organs, the mechanisms of action of drugs used in anesthesia of animals and their doses, knowledge of the pharmacodynamics and pharmacokinetics of drugs from the group of antibiotics and anti-inflammatory drugs

Name of the organisational unit conducting the course:Katedra Chirurgii i Rentgenologii z Kliniką
Person responsible for the realization of the course:dr hab. wet. Yauheni Zhalniarovich, prof. UWM
e-mail:
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Additional remarks:

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:

B.U12. +, A.U14. +, A.W16. +, B.U14. +, K.8.+, A.U6. +, B.W9. +, K.10.+, B.W2. +, B.W3. +, B.W1. +, A.W1. +, B.W5. +, A.U13. +, B.U3. +, B.W6. +, A.W2. +, B.U11. +, B.U13. +, K.9.+, A.U12. +, B.W4. +

LEARNING OUTCOMES:

Knowledge:

W1 – Defines and describes the mechanisms of action of specific groups of drugs used in horses. He knows the principles of the well-being of horses.

Skills:

U1 – He can implement the principles of asepsis and antisepsis during surgery on horses. He can choose and apply appropriate treatment, with particular emphasis on surgical diseases in horses.

Social competence:

K1 – He puts the patient's well-being in the first place

TEACHING FORMS AND METHODS:

Lecture(W1;U1;K1;):Lectures in the form of original multimedia presentations with practical and clinical aspects, including video material.

Auditorium classes(W1;U1;K1;):Multimedia presentations, descriptions of clinical cases in the form of photos and videos.

Practical classes(W1;U1;K1;):Practical exercises conducted on horse preparations from the slaughterhouse, multimedia presentations, exercises conducted on clinical horses being the Department's patients.

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Lecture (Written exam) - LECTURE: Written exam - In order to pass the final exam, you must obtain a positive grade for each of the received exam questions. The final grade for the exam is issued on the basis of the arithmetic mean value of the grades obtained for each question. The rounding of the rating is based on the following ranges: mean ≥ 4.76 : very good (5.0); average in the range of 4.26 - 4.75: good plus (4.5); average in the range: 3.76 - 4.25: good (4.0); average in the range of 3.26 - 3.75: sufficient plus (3.5); mean ≤ 3.25 : satisfactory (3.0). The student may take the exam improvement twice. In the event of a top-down suspension of classroom classes and the necessity of distance learning, the methods of verifying the achievement of learning outcomes declared in the syllabus, i.e. the forms of passing the exam and exercises, may change in a manner appropriate to the situation. -

Auditorium classes (Oral test) - TUTORIALS: Oral test - There are 2 oral tests in the semester. To pass the test, you should provide at least 65% of the answers to individual questions. The grade for the test is issued on the basis of the arithmetic mean value of the grades obtained for each question. The rounding of the score is based on the following value ranges: mean ≥ 4.76 : very good (5.0); average in the range of 4.26-4.75: good plus (4.5); average in the range: 3.76 - 4.25: good (4.0); average in the range of 3.26 - 3.75: sufficient plus (3.5); mean ≤ 3.25 : satisfactory (3.0). The student may attempt to correct the test twice. The condition for receiving the final pass from the exercises is to obtain positive marks from all tests taking place in the course of the classes. In case of passing all the tests, the final grade for the exercises is issued on the basis of the arithmetic mean value of all the grades obtained from the tests (including failing grades). The rounding of the evaluation is done on the basis of the above-mentioned ranges of values. Failure to pass any of the tests is tantamount to obtaining an unsatisfactory final grade in the subject. In the event of a top-down suspension of classroom classes and the necessity of distance learning, the methods of verifying the achievement of learning outcomes declared in the syllabus, i.e.

the forms of passing the exam and exercises, may change in a manner appropriate to the situation. -

Practical classes (Colloquium practical) - PRACTICAL EXERCISES: Practical test - There is 1 practical test in the semester. In order to pass the test, the practical part must be properly completed. The student may attempt to correct the test twice. The condition for receiving the final test is passing the practical test. The final grade for the exercises is issued on the basis of the arithmetic mean value of all grades obtained from the tests. Failure to pass the practical test is tantamount to obtaining an insufficient final grade for the exercises. In the event of a top-down suspension of classroom classes and the necessity of distance learning, the methods of verifying the achievement of learning outcomes declared in the syllabus, i.e. the forms of passing the exam and exercises, may change in a manner appropriate to the situation. -

BASIC LITERATURE:

1. Wilson D.A., Kramer J., Constantinescu GM, Branson KR, *Zabiegi Chirurgiczne u koni w warunkach pozaszpitalnych*, Wyd. Elsevier Urban Partner, R. 2009
2. Dietz O., Huskamp B., *Praktyka kliniczna: konie.*, Wyd. Galaktyka, R. 2008
3. Orsini JA, Divers TJ,, *Postępowanie i leczenie w nagłych przypadkach chorób koni.*, Wyd. Galaktyka, R. 2008
4. Muir WW, Hubbell JAE, Bednarski RM,, *Anestezjologia weterynaryjna.*, Wyd. Elsevier Urban Partner, R. 2008

SUPPLEMENTARY LITERATURE:

1. Szeligowski E., Kłos Z. Janicki A.M., Sterna J., *Chirurgia weterynaryjna Kulczyckiego*, Wyd. PWRiL, R. 1997

