



Infectious diseases of neonates and young animals

ECTS: 1.00

SUBJECT MATTER CONTENT

LECTURE

Infectious causes of reduction of animal fertility. Ways and mechanisms of embryo and fetus infection. Leptospirosis, listeriosis, brucellosis, equine viral arteritis, contagious equine metritis, bovine viral diarrhea and mucosal disease, border disease, Aujeszky's disease, SMEDI syndrome, porcine respiratory coronavirus infection, porcine and bovine respiratory disease complex, porcine dermatitis and nephropathy syndrome, postweaning multifactorial wasting syndrome, porcine myocarditis syndrome, encephalomyocarditis, vomiting and wasting disease, congenital tremors, joint infections, yersiniosis, herpes-, cytomegalo-, paramyxo-, calici-, astro-, adeno-, circovirus infections, calf neonatal pancytopenia, porcine necrotic ear syndrome, rubula-, Menangle, Nipah virus infectious, Schmallenberg disease, Aino disease. DIVA strategy in eradication of infectious diseases of animals.

CLASSES

Detailed program of exercises comprises: differential diagnostics, prevention and control of selected infectious diseases: piglets - colibacteriosis, salmonellosis, enteroviral infections, necrotic enteritis, proliferative enteropathies, atrophic rhinitis, Aujeszky's disease, classical swine fever, porcine reproductive and respiratory syndrome, mycoplasmal pneumonia of swine, influenza, Glässer's disease, streptococcal diseases, vomiting and wasting disease; calves - colibacteriosis, salmonellosis, dysentery, BVD-MD, IBR-IPV, BRDC, pneumococcosis, pasteurellosis, BSE; lambs - campylobacteriosis, salmonellosis, dysentery, pasteurellosis, enterotoxemia, foals - colibacteriosis, salmonellosis, joint diseases, pneumococcosis, rhodococcosis; puppies and kittens - campylo- bacteriosis, haemorrhagic gastroenteritis syndrome, salmonellosis, colibacteriosis, borreliosis. CLASSES AUDYTORYJNE: Detailed program of exercises comprises: differential diagnostics, prevention and control of selected infectious diseases: piglets - colibacteriosis, salmonellosis, enteroviral infections, necrotic enteritis, proliferative enteropathies, atrophic rhinitis, Aujeszky's disease, classical swine fever, porcine reproductive and respiratory syndrome, mycoplasmal pneumonia of swine, influenza, Glässer's disease, streptococcal diseases, vomiting and wasting disease; calves - colibacteriosis, salmonellosis, dysentery, BVD-MD, IBR-IPV, BRDC, pneumococcosis, pasteurellosis, BSE; lambs - campylobacteriosis, salmonellosis, dysentery, pasteurellosis, enterotoxemia, foals - colibacteriosis, salmonellosis, joint diseases, pneumococcosis, rhodococcosis; puppies and kittens - campylo- bacteriosis, haemorrhagic gastroenteritis syndrome, salmonellosis, colibacteriosis, borreliosis.

TEACHING OBJECTIVE

The objective of education is an acquisition by the student wider and deeper knowledge in the area of infectious diseases of neonates and young animals of various species, permanently supplemented with new topics of treatment and eradication of infectious diseases of swine, cattle, sheep, goats horses, dogs and cats.

DESCRIPTION OF THE LEARNING OUTCOMES OF THE COURSE IN RELATION TO THE DESCRIPTION OF THE CHARACTERISTICS OF THE SECOND LEVEL LEARNING

Legal acts specifying learning outcomes:
682/2020
Disciplines: Veterinary science
Status of the course: Fakultatywny
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, Classes
Number of hours in semester: Lecture: 5.00, Classes: 10.00
Language of instruction: Polish
Introductory subject: Microbiology, Immunology, Pathophysiology, Pathomorphology, Infectious diseases of farm animals, horses, dogs and cats.
Prerequisites: Knowledge of bases definitions and topics of above introductory subjects.

Name of the organisational unit conducting the course: Katedra Epizootiologii
Person responsible for the realization of the course: dr wet. Zbigniew Procajło
e-mail: procajlo@uwm.edu.pl

Additional remarks: Exercises in small groups.

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.+ , B.U6. + , B.U8. + , B.U20. + , B.U2. + , B.W5. + , K.11.+ , B.U3. + , B.W1. + , B.U13. + , B.W6. + , B.W4. + , K.8.+ , B.U19. + , B.U21. +

LEARNING OUTCOMES:

Knowledge:

W1 – Student describes and interprets the health disorders of newborns and young animals in terms of infectious diseases and the principles of diagnostic procedures, including differential diagnosis, and their proper treatment. He knows the rules of conducting a clinical examination and monitoring the health condition of young animals, taking into account the risks appropriate to their age, and the manner of handling clinical data and laboratory test results.

Skills:

U1 – Student speaks English and Latin medical nomenclature, conduct a medical and veterinary interview in order to obtain detailed information about an infectious disease of a single newborn or young animal and to collect data from a group of animals. He can conduct a full clinical examination of young animals, collect and preserve samples from them for research, as well as correctly analyze and interpret the results of these tests. Implements appropriate management and treatment to reduce the severity of the infectious disease. Conducts an epizootic investigation to establish data on an infectious disease in animals and its origin. Can gather information related to animal health and welfare. Develops and implements preventive programs appropriate to protect the health of newborns and young animals.

Social competence:

K1 – Student demonstrates responsibility for decisions taken towards humans and animals; is able to critically assess their own and other people's actions and improve the proposed solutions; possess a habit of lifelong learning to enhance knowledge and improve skills; puts the welfare of the patient in the first place.

TEACHING FORMS AND METHODS:

Lecture(W1;U1;K1;):Lecture - with a multimedia presentation.

Classes(W1;U1;K1;):Auditorium exercises - differentiation of infectious diseases, case analysis, selection and evaluation of treatment and prevention methods.

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Lecture (Oral test) - The oral test covers contagious diseases of neonates and young animals, discussed during lectures and exercises. To pass the exam, you must obtain at least 65% of the possible points. The grading of grades is based on the score thresholds described in the faculty procedure "Principles of grading students". The student may take the exam improvement twice. The condition for receiving the final credit for the exercises and lectures is to obtain a positive grade from the entire material discussed in the course of the classes. "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." -

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BASIC LITERATURE:

1. Dirksen G., Gründer H.D., Stöber M., *Choroby wewnętrzne i chirurgia bydła*, Wyd. Galaktyka, R. 2009, s.
2. Divers Thomas J., Peek Simon F., *Choroby bydła mlecznego*, Wyd. Elsevier, R. 2011, s.
3. Adaszek Ł., Staniec M., Kalinowski M., Ziętek J., Winiarczyk S., *Choroby zakaźne psów*, Wyd. Elamed, R. 2019, s.
4. Bednarski M., *Choroby bydła Podstawy diagnostyki i terapii*, Wyd. Apra-wetpress, R. 2015, s.
5. Gliński Z., Kostro K. (red.), *Choroby zakaźne zwierząt z elementami epidemiologii i zoonoz*, Wyd. PRWiL, R. 2011, s.

SUPPLEMENTARY LITERATURE:

1. Frymus T., *Wirusowe, bakteryjne, grzybicze i prionowe choroby kotów*, Wyd. SI-MA WLW, R. 2005, s.
2. Straw B.E., Zimmerman J.J., D`Allaire S., Taylor D.J. (Eds), *Diseases of swine*, Wyd. AMES, R. 2006, s.
3. Danny W Scott, *Atlas chorób skóry zwierząt gospodarskich*, Wyd. Galaktyka, R. 2009, s.

