



Pathomorphology III

ECTS: 4.00

SUBJECT MATTER CONTENT

LECTURE

Lectures in pathology III include morphological changes observed in organs and tissues of cattle, pigs, sheep, goats, horses, carnivores and rabbits, resulting from infectious and parasitic diseases. Furthermore, lectures also include etiopathogenesis of infectious diseases and the application of the necropsy and histopathological examination in diagnosis of infectious diseases of various animal species.

AUDITORIUM CLASSES

ĆWICZENIA: The aim of the practical classes is to familiarize the student with the morphological changes in organs and tissues of cattle, pigs, horses, sheep, goats, carnivores and rabbits, resulting from selected infectious diseases (bacterial, viral, fungal, prion and parasitic).

PRACTICAL CLASSES

ĆWICZENIA: The aim of the practical classes is to familiarize the student with the morphological changes in organs and tissues of cattle, pigs, horses, sheep, goats, carnivores and rabbits, resulting from selected infectious diseases (bacterial, viral, fungal, prion and parasitic).

TEACHING OBJECTIVE

The course aims to teach: identifying morphological changes in animal tissues and organs, arising in the course of selected infectious diseases; diagnosing of infectious diseases based on the pathological changes observed during necropsy; writing of the necropsy report.

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.+ , B.U16. + , A.U14. + , K.6.+ , B.W2. + , B.W3. + , A.W20. + , K.12.+ , B.W1. + , K.5+ , K.2.+ , B.W5. +

LEARNING OUTCOMES:

Knowledge:

W1 – knows the disorders at the level of the cell, tissue, organ, system and organism in the course of the disease (with particular emphasis on infectious diseases)

W2 – knows the mechanisms of organ and systemic pathologies

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: 4/8

Types of classes: Lecture, Practical classes, Auditorium classes
Number of hours in semester: Lecture: 15.00, Practical classes: 10.00, Auditorium classes: 20.00
Language of instruction: Polish
Introductory subject: anatomy, histology, physiology, pathophysiology
Prerequisites: anatomy, histology, physiology, pathophysiology knowledge

Name of the organisational unit conducting the course: Katedra Anatomii Patologicznej
Person responsible for the realization of the course: dr hab. wet. Iwona Otrocka-Domagala, prof. UWM
e-mail: i.otrocka-domagala@uwm.edu.pl

Additional remarks:

W3 – knows the principles of recognizing and describing morphological changes in the organism of animals caused by pathogens (mainly infectious)

W4 – knows the pathomorphological nomenclature necessary in contacts with other doctors or professional organizations

W5 – recognizes the health condition of animals and determines the type of infectious disease

Skills:

U1 – can perform the necropsy of an animal with a description, using Polish and Latin medical nomenclature, take samples and secure them for transport, can recognize post-mortem lesions in internal organs and tissues of cattle, pigs, horses, sheep, goats, carnivores and rabbits and assign them to particular infectious disease (bacterial, viral or fungal)

Social competence:

K1 – is ready to apply the acquired knowledge in practice, and in particular to discover the essence of the pathogen and pathogenesis of the disease

K2 – has the right attitude at work

K3 – complies with the principles of professional ethics and medical art

K4 – correctly assesses the patient's health, being aware of the importance of cooperation with the animal owner and professional organizations

TEACHING FORMS AND METHODS:

Lecture(W1;W2;W3;W4;W5;U1;K1;K2;K3;K4;):Lecture - Informative lecture with multimedial presentation

Practical classes(W1;W2;W3;W4;W5;U1;K1;K2;K3;K4;):Laboratory classes - necropsy of selected species of animals, writing necropsy protocols.

Auditorium classes(W1;W2;W3;W4;W5;U1;K1;K2;K3;K4;):Laboratory classes - necropsy of selected species of animals, writing necropsy protocols.

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Lecture (Exam) - Written or oral exam is performed after three semesters of the pathomorphology (pathomorphology I, II, III). The preparation for the exam includes the knowledge gained during lectures and laboratory classes (from all semesters of the pathomorphology). In order to pass the final exam, it is necessary to obtain not less than 65% of 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. In the event of a top-down suspension of classroom classes and the need for 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) - Each student performs necropsies and writes a necropsy report (obtaining grade). To pass the semester, student has to gain positive grades from each of tests and of at least one necropsy and necropsy report. -

Auditorium classes (Colloquium test) - There are 3 written/oral tests per semester. To pass the test, 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 attempt to improve the test twice. The condition for receiving the final exam in the exercises is to obtain positive grades from all tests taking place in the course of the classes, and to obtain a positive grade for the autopsy and the autopsy protocol. If all tests are passed, the final grade for the exercises is issued on the basis of the arithmetic mean value of all grades obtained from the tests, grades obtained from the performed autopsies and postmortem protocols. Failure to pass any of the tests is tantamount to obtaining an unsatisfactory final grade in the exercises. In the event of a top-down suspension of classroom classes and the need for 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. Gliński Z, Kostro K, *Choroby zakaźne zwierząt z zarysem epidemiologii i zoonoz*, Wyd. Państwowe Wydawnictwo Rolnicze i Leśne Warszawa, R. 2011, s.

2. Gliński Z, Kostro K, *Choroby zakaźne psów i kotów*, Wyd. Państwowe Wydawnictwo Rolnicze i Leśne, R. 2005, s.
3. Gliński Z, Kostro K, *Choroby zakaźne zwierząt 3, Choroby trzody chlewnej z elementami zoonoz*, Wyd. Lublin : Wydaw. Akademii Rolniczej, R. 2004, s.
4. Greene CE., *Choroby zakaźne psów i kotów.*, Wyd. Galaktyka, Łódź, R. 2010, s.
5. Gliński Z, Kostro K, Wołoszyn S, *Choroby zakaźne zwierząt cz. 2 Grzybice*, Wyd. Lublin : Wydaw. Akademii Rolniczej, R. 2000, s.
6. Winiarczyk S, Grądzki Z., *Choroby zakaźne zwierząt domowych z elementami zoonoz.*, Wyd. Dział Wydawnictw Państwowego Instytutu Weterynaryjnego, Lublin; Puławy, R. 2002, s.
7. Kaszubkiewicz C., *Patomorfologia chorób zakaźnych zwierząt*, Wyd. Wyd. Akademii Rolniczej we Wrocławiu, R. 2002, s.
8. Madej JA, Rotkiewicz T, Nozdryn-Płotnicki Z., *Patologia szczegółowa zwierząt.*, Wyd. Wydawnictwo UWM, Olsztyn, R. 2007, s.
9. Kostro K, Gliński Z., *Choroby Królików. Podstawy chowu i hodowli.*, Wyd. Powszechne Wydawnictwo Rolnicze i Leśne Warszawa, R. 2005, s.

SUPPLEMENTARY LITERATURE:

1. Frymus T., *Choroby zakaźne psów*, Wyd. Si-Ma Warszawa, R. 1999, s.
2. Maxie MG, Jubb, Kennedy Palmer's *Pathology of Domestic Animals (6th ed.) Vol. 1, 2, 3*, Wyd. Elsevier, R. 2015, s.
3. Zachary JF, McGavin M.D.MD., *Pathologic Basis of Veterinary Disease, Expert Consult; 6th ed.*, Wyd. Mosby, R. 2016, s.
4. Frymus T., *Wirusowe, bakteryjne, grzybicze i prionowe choroby kotów*, Wyd. Oficyna Wydawnicza Fundament, R. 2019, s.