

Veterinary oncology

Department of Obstetrics and Surgery
Faculty of Veterinary Medicine
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teacher

Specialty:	211 Veterinary medicine, 212 Veterinary hygiene, sanitation and examination
Educational degree	Master
Semester	5
Number of ECTS credits	5
Classroom hours	44 (including 0 lectures, 44 hours of practical classes)
Form of control	Test

General description of the discipline

Discipline "Veterinary Oncology" is a subspecialty of veterinary medicine that deals with the diagnosis and treatment of cancer in animals. Cancer is the leading cause of death in pets. Companion animals, such as dogs and cats, suffer from many of the same cancers as humans. Dog cancer research has helped develop clinical trials for cancer therapy in humans. In the spirit of the One Health Movement (Global Joint Study of Human and Animal Health), such human-animal relationships in cancer research can benefit both humans and animals with future cancer.

The main purpose of the discipline is to expand and deepen the professional competencies acquired during the study of normative disciplines, namely::

- Use information from domestic and foreign sources to develop diagnostic, treatment and business strategies.
- To determine the essence of physicochemical and biological processes that occur in the body of animals in normal and pathological.
- Collect anamnestic data during the registration and examination of animals, decide on the choice of effective methods of diagnosis, treatment and prevention of animal diseases.
- Establish a link between clinical manifestations of the disease and the results of laboratory tests.

The main forms of education are practical (seminars-trainings, group work) and individual (preparation of presentations, project development) classes,

Evaluation methods are:

- assessment of the level of knowledge demonstrated in the oral answers, and activity in discussing the issues raised in class;
- the use of rapid tests for self-assessment of knowledge,
- computer test results;
- written answers to tests on the topics of independent work;
- assessment of the level of skills in the role-playing game to consider specific situations, provide instructions on how to improve performance
- the use of situational exercises with the subsequent assessment of the participants themselves,
- constant feedback from students, analysis of current successes

Topics of practical classes

1. Statistics on the occurrence of cancer.
2. Methods of diagnosis and treatment of cancer.
3. Skin cancer in animals.
4. Bladder cancer.
5. Bone cancer.
6. Cancer of the gastrointestinal tract
7. Lung cancer.
8. Plasmacytomas
9. Soft tissue sarcoma.
10. Lymphoma in animals.
11. Leukemia
12. Canine transmissible venereal tumor
13. Hemangiosarcoma
14. Malignant histiocytosis
15. Tumor of mast cells (mastocytoma)
16. Thyroid cancer.
17. Tumors of the mammary glands
18. Insulinomas.
19. Oral cancer
20. Eye tumors
21. Tumors of the brain
22. Situational exercise. Project development