

SILABUS EDUCATIONAL COMPONENT



PECULIARITIES OF SURGICAL DISEASES OF SMALL ANIMALS

specialty	211 - Veterinary medicine	compulsory nature of the discipline	selective
educational program	veterinary medicine	faculty	veterinary medicine
educational level	Not limited	department	Veterinary surgery and reproductive medicine

TEACHER

Zaika Petro Oleksandrovych



-Scientific degree: Candidate of Veterinary Sciences, specialty 16.00.04 - Veterinary Pharmacology and Toxicology
 -Academic rank - associate professor
 -23 years of experience.

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The following people are involved in teaching the discipline: PhD in Veterinary Science Denys Kryvoruchenko

GENERAL INFORMATION ABOUT THE EDUCATIONAL COMPONENT (DISCIPLINE)

Objective.	mastering by students of the basic laws of manifestation of surgical pathology in dogs and cats, application of diagnostic criteria depending on the type of surgical disease and mastering the basic modern principles of treatment and prevention in this group of diseases. The discipline is related to the study of the achievements of modern veterinary surgery of small animals, etiological factors that cause surgical pathology in dogs and cats, the definition of common clinical signs, features of the manifestation of diseases depending on the type of animal, modern principles of diagnosis and treatment of this pathology.
Format.	lectures, practical classes, independent work, individual assignments.
Detailing learning outcomes and forms of their control	<ul style="list-style-type: none"> • ability to follow the rules of personal safety in the study of small animals, using knowledge of their anesthesia and fixation, to follow the rules of personal hygiene, to use the rules of asepsis and antisepsis in the implementation of any surgical intervention or research (SC3)/ individual practical classes. • the ability to apply knowledge in practical situations, the ability to understand and find out the peculiarities of the structure and functioning of cells, tissues, organs, their systems and apparatus of the animal body, the ability to comply with safety rules, asepsis and antiseptics in the implementation of professional activities, to determine the peculiarities of functioning, pathomorphological changes in organs, to collect anamnestic data during the registration and examination of animals, to find solutions for the selection of effective methods of diagnosis, treatment and prevention of animal diseases (GC1, GC2, • the ability to practice the basic methods of research of small animals with various surgical pathologies, the ability to objectively assess the need for clinical, laboratory, diagnostic studies, to make an informed decision on the implementation of therapeutic and preventive measures, the ability to understand the purpose of surgical instruments for the treatment of small animals with surgical pathology; the ability to analyze the feasibility of using special devices for the diagnosis and treatment of animals with surgical diseases • understand and find out the peculiarities of conducting clinical trials in order to form conclusions about the condition of the animal and establish a diagnosis (GC2, GC3, SC1, SC2, SC3, SC4, PLO4, PLO7 / individual practical classes. • ability to think abstractly, analyze, synthesize, search, process information from various sources (GC1, GC2) / individual practical classes.
Scope and forms of control	3 ECTS credits (90 hours): 12 hours of lectures, 18 hours of laboratory and practical classes; 60 hours of independent study, 2 tests; final control - differentiated credit.
Teacher requirements	timely completion of tasks, activity, teamwork
Terms of enrollment	"free enrollment"

COMPLEMENTS THE EDUCATION STANDARD AND EDUCATIONAL PROGRAM

Competencies	<p>GC1. Ability to think abstractly, analyze and synthesize.</p> <p>GC2. Ability to apply knowledge in practical situations.</p> <p>GC3. Knowledge and understanding of the subject area and profession.</p> <p>SC1. Ability to identify the peculiarities of the structure and functioning of cells, tissues, organs, their systems and apparatus of the body of animals of different classes and species - mammals, birds, insects (bees), fish and other vertebrates.</p> <p>SC 2. Ability to use tools, special devices, instruments, laboratory equipment and other technical means to carry out the necessary manipulations in the course of professional activity.</p> <p>SC 3. Ability to comply with the rules of labor protection, asepsis and antisepsis during professional activities.</p> <p>SC 4. Ability to conduct clinical research in order to formulate conclusions about the condition of animals or establish a diagnosis</p> <p>SC 8. Ability to plan, organize and implement measures for the treatment of animals of different classes and species suffering from non-contagious, infectious and invasive diseases.</p>	Program learning outcomes	<p>PLO1. Know and correctly use the terminology of veterinary medicine.</p> <p>PLO 2. Use information from domestic and foreign sources to develop diagnostic, treatment and business strategies.</p> <p>PLO 3. Determine the essence of physicochemical and biological processes that occur in the body of animals in normal and pathological conditions.</p> <p>PLO 4. Collect anamnestic data during registration and examination of animals, make decisions on the choice of effective methods of diagnosis, treatment and prevention of animal diseases.</p> <p>PLO 6. Develop quarantine and health improvement measures, methods of therapy, prevention, diagnosis and treatment of diseases of various etiologies.</p> <p>PLO 7. Formulate conclusions about the effectiveness of selected methods and means of keeping, feeding and treating animals, prevention of contagious and non-contagious diseases, as well as production and technological processes at enterprises for the maintenance, breeding or operation of animals of different classes and species.</p>
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STRUCTURE OF THE EDUCATIONAL COMPONENT (DISCIPLINE)

Module 1. OPERATIVE SURGERY				
Lecture 1	Anesthesia of small animals.	LPC 1	Methods and means of preventing surgical infections.	Independent work
	Methods of local anesthesia during anesthesia.			
Lecture 2	Desmurgy of small animals	LPC 2	Features of the use of desmurgia in small animals.	
		LPC 3	Laboratory and instrumental methods for diagnosing surgical diseases in small animals. Modern surgical equipment and its use in the diagnosis and treatment of small animals	
				<p>Modern drugs for anesthesia and local anesthesia of small animals</p> <p>Use of immobilization drugs and their antidotes in small animal surgery</p> <p>Gentle methods of surgical therapy</p> <p>Endoscopic equipment.</p> <p>Arthroscopy.</p> <p>Minimal invasive interventions</p> <p>Modern methods of asepsis and antisepsis</p>

		LPC 4	Features of performing various surgical interventions in small animals with surgical pathologies		Modern types of bandages for small animals Special types and forms of bandages for small animals.
Module 2. SURGICAL DISEASES OF SMALL ANIMALS					
Lecture 3	Peculiarities of trauma in small animals.	LPC 5	Features of treatment of closed and open soft tissue injuries in small animals. Types of clinical manifestations of inflammatory processes in small animals.	Independent work	Methods of osteosynthesis. Osteosynthesis with plates, screw (screw). Fixation with wire (glass). Intramedullary osteosynthesis and pin removal. Osteosynthesis with a polymer pin, osteosynthesis in the humerus
Lecture 4	Diseases of the skin and ears	LPC 6	Diseases of the oral cavity (dental pathology, closure of the salivary gland ducts, foreign bodies in the oral cavity)		Fixation of the hip joint with artificial ligament and osteosynthesis of the femur
Lecture 5	Diseases of the abdominal organs	LPC 7	Features of traumatic injuries in the chest area. Diseases of the genitourinary organs in dogs and cats		Amputation of a cat's claw.
Lecture 6	Eye diseases Plastic surgery in small animals.	LPC 8	Eye trauma, prolapse of the eyeball. Panophthalmitis, eyelid rolling		Tumors Removal of tumors
		LPC 9	Bone and joint diseases in small animals.		Diseases of the oral cavity (dental pathology, closure of the excretory ducts, salivary glands, foreign bodies in the oral cavity) Features of traumatic injuries in the chest area
BASIC LITERATURE AND METHODOLOGICAL MATERIALS					

	<ol style="list-style-type: none"> 1. Magda I.I. Operative surgery with the basics of topographic anatomy and anesthesiology. -K.: Higher School, 1995. - 235 p.. 2. Special Veterinary Surgery / [Panko I.S., Borysevych V.B., Teres M.O. et al. 3. Workshop on General and Special Surgery / [I.O. Kalashnyk, S.I. Panko, B.Y. Pereder, et al. 4. Diagnosis of carnivore diseases manifested by gastrointestinal disorders. Achievements of student youth in solving scientific and practical issues of veterinary medicine: materials of the II (69) international student scientific and practical conference. Kyiv, 2015. C 232-233 5. Verbytsky PI, Busol VO, Dostoevsky PP Handbook of veterinary medicine. Kyiv: Urozhay, 2004. 1280 6. Laboratory methods of research in biology, animal husbandry and veterinary medicine: a reference book / V.V. Vlizlo et al. Lviv. 2012. 764 7. Levchenko V.I., Fasolya V.P., Holovakha V.I., Dykyi O.A.. Medical examination of service dogs: Methodological recommendations / - Bila Tserkva, 2008. - 63 p. 8. Methods of laboratory clinical diagnostics of animal diseases / Levchenko V.I. et al. Kyiv: Agrarian Education, 2010. 437 c 	Methodological support	<p>Methodological guidelines for students of the Faculty of Veterinary Medicine. Kh. - KhZVI. - 2007. -47p.</p> <ol style="list-style-type: none"> 1. Workbook for independent work of students of the 2nd (2nd semester) course of the Faculty of Veterinary Medicine in the course "Diseases of small animals." -X.-2021.-21 P. 2. Sarbash D.V., Kantemir O.V., Zaika P.O., Anichyn A. Methodological recommendations for for conductingLaboratory and practical classes in the general course of operative surgery for teachers and students of 2, 3 courses of the Faculty of Veterinary Surgery. KH. KhDZVA 2018 - 44p. 3. Sarbash DV, Tsimerman OO, Zaika PA Methodical instructions for independent work for students of the Faculty of Veterinary Medicine. KhDZVA 2018 - 34 p. 4. Sarbash D.V. Kantemir O.V., Zaika P.O., Anichyn A.M., Tsimerman O.O. Methodical recommendations for conducting laboratory and practical classes in the general course of surgery for teachers and students of 2.3 courses of the Faculty of Veterinary Medicine. KhDZVA 2018 - 44 p.
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EVALUATION SYSTEM			
	SYSTEM	POINTS	ACTIVITY THAT IS ASSESSED
Final assessment (different credit, exam)Final evaluation	100 ECTS points (standard)	up to 100	40 % - Final testing
			60 % - student's current work during the semester
Final assessment (non-differential credit)	100 points ECTS (standard)	up to 100	100 % - average grade for sections
Rating of section	100 points total	up to 30	30 % - answers to test questions
		up to 30	30 % - the result of mastering the block of independent work
		up to 40	40 % - student activity in class (oral answers)
NORMS OF ACADEMIC ETHICS AND INTEGRITY			
All participants in the educational process (including students) must adhere to the code of academic integrity and the requirements stipulated in the regulation "On Academic Integrity of Participants in the Educational Process of SBTU": to demonstrate discipline, good manners, respect each other's dignity, show kindness, honesty, and responsibility.			

