

VETERINARY EMERGENCIES

Study program	Veterinary Medicine
Year of study	VI
Semester	I
Regime of discipline	DOB
Category of discipline	Dsc
Number of lectures hours per week	-
Number of seminar/laboratory/project hours per week	2
Total number of hours according to the curriculum: lectures/seminars/laboratory/project	28
Number of transferable credits	2

SPECIFIC SKILLS

Professional Competence	<p>Rapid assessment of the patient's condition (triage): The ability to perform a quick and efficient evaluation of the animal's overall condition.</p> <p>Patient stabilization: Initial management of emergencies by stabilizing vital signs, administering intravenous fluids, and providing medication treatment.</p> <p>Cardiopulmonary resuscitation (CPR) techniques: Proper application of resuscitation techniques across different animal species.</p> <p>Effective communication: Clear and calm communication with pet owners in high-stress situations, providing information about the patient's condition and treatment options.</p>
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LEARNING OUTCOMES

Knowledge	<p>Describes the main types of veterinary emergencies (traumatic, metabolic, respiratory, cardiovascular, digestive, obstetrical, neurological, etc.).</p> <p>Identifies the major clinical signs of critical conditions and establishes priorities for intervention.</p> <p>Explains the principles of stabilization of the critical patient, including the maintenance of vital functions (airways, breathing, circulation).</p> <p>Knows the protocols for cardiopulmonary resuscitation and shock management.</p>
Skills	<p>Uses intensive care and anesthesia equipment (monitors, oxygenation devices, infusion pumps, etc.);</p> <p>Applies techniques for stabilizing the critical patient (fluid therapy, oxygen therapy, intubation, hemostasis, immobilization);</p> <p>Monitors and evaluates the patient's vital parameters before, during, and after intervention;</p> <p>Prepares clinical observation sheets and medical documentation specific to emergency cases;</p> <p>Applies emergency and resuscitation protocols according to the species and the nature of the condition.</p>
Responsibility and autonomy	<p>Collaborates effectively with the medical team in managing the critical patient;</p> <p>Demonstrates professional responsibility and respect for the ethical and legal principles of the veterinary profession;</p> <p>Assesses and manages pain, sedation, anesthesia, and euthanasia in animals in emergency contexts;</p> <p>Monitors and evaluates the patient's vital parameters before, during, and after intervention;</p> <p>Prepares clinical observation sheets and medical documentation specific to emergency cases;</p> <p>Applies emergency and resuscitation protocols according to the species and nature of the condition.</p>

COURSE OBJECTIVES

Protocols and procedures in urological emergencies	2
Protocols and procedures in emergencies caused by environmental factors (electrocution, heat stroke, frostbite, hypothermia, etc.)	2
Protocols and procedures in hematologic emergencies, DIC	2
Final evaluation	2

BIBLIOGRAPHY:

1. Wayne E. Wingfield MS DVM DAVECC DACVS -Veterinary Emergency Medicine Secrets. second Edition, 2000, Hanley & Belfus
2. Wayne E. Wingfield MS DVM DAVECC DACVS -Veterinary Emergency Medicine Secrets. First Edition, 1997, Hanley & Belfus
3. ETTINGER, S., FELDMAN, E.- Textbook of Veterinary Internal Medicine - Diseases of the Dog and Cat, 4th edition, vol. II, Ed. WB Saunders Company, Philadelphia, London, Toronto, Sydney, Tokyo, 2010.
4. Nelson, R.W., Couto, C.G.-2009-Small animal internal medicine (4th edition), Ed. Mosby
5. Susan E. Aiello, Michael A. Moses- The Merck Veterinary Manual 11th Edition-
<https://www.msdrvmanual.com/>

ASSESSMENT

Activity type	Assessment criteria	Assessment methods	Percentage of final grade
Lectures			
Seminar/laboratory/clinical sessions	Capacity for analysis and synthesis, clinical reasoning, identification methods of solving veterinary emergency medical conditions	Case study	60%
Other activities	Documentation from specialized websites or from specialized magazines, compliance with specific drafting rules.	Project	40%

Course coordinator:Asist.Prof.Dr. Orghici Gabriel

Practical activities coordinator L/S/P: Asist. Prof.Dr. Orghici Gabriel