

Course Title	Small Animal Core Clinical Rotation
Course Code	Vet-501
Course Type	Required
Year	5
Course duration	16 weeks (10 hours daily)
ECTS	30
Course Purpose and Objectives	<p>The main objectives of the course are:</p> <ul style="list-style-type: none"> • To produce a graduate able to communicate in a professional and respectful way with costumers, able to take history, evaluate the condition and plan treatment while taking in consideration financial and emotional aspects of the costumer. • To produce a graduate who is able to work as a part of a veterinary team, handle animals gently and calmly, perform clinical examination, administer medications and collect diagnostic samples. • To produce a graduate able to discuss surgical anatomy, disease pathogenesis, specific surgical indications, basic surgical procedures, and complications of surgical conditions. • To produce a graduate able to identify and treat the common conditions that cause lameness and orthopedic disease in the dog and cat and be able to apply orthopedic principles to new situations using a problem-solving approach • To produce a graduate able to provide a problem-oriented approach to small animal medicine from basic principles of pathophysiology and to understand the investigation, differential diagnosis, and outline management of the most common conditions of the dog and cat • To produce a graduate familiar with common emergency situations and pathophysiology relating to critical care and some of the therapeutic support options available in high dependency patients. The student should also be able to deal with distressed owners. • To enable the students to do practical 'bed-side' clinical pathology including making of blood smears, use of practice-type analyzers and urinalysis and simple cytology.

	<ul style="list-style-type: none"> • To produce a graduate able to perform and record a post-mortem and able to describe interpret and discuss pathological findings • To produce a graduate able to use basic imaging equipment (x-ray and ultrasound) and carry out an examination effectively and appropriate to the case, in accordance with good health and safety practice and current regulations. • produce a diagnostic X-ray and able to interpret it and able to understand basic ultrasound imaging • To produce a graduate able to diagnose and treat nervous system disease in animals • To produce a graduate able to diagnose and treat neoplasia in domestic animals.
Learning Outcomes	<p>At the end of the rotation the student is able:</p> <ul style="list-style-type: none"> • To understand the value of good history taking and clinical examination skills in order to establish differential diagnoses for various conditions affecting each body system and be able to use this to establish a diagnostic and therapeutic approach • To understand how to make and interpret a blood smear and how to use the analyzers in the out of hours lab • To understand how to interpret the laboratory data in a clinical case in a variety of diseases in dogs, cats and to understand how to make and interpret blood smears • To be able to recognize common emergencies and formulate effective diagnostic and treatment protocols • To understand the surgical anatomy for basic, common surgical conditions • To understand the surgical indications for conditions affecting each body system and be able to discuss appropriate surgical techniques and specific surgical plan for the specific condition of the animal • To have good general knowledge of fracture repair techniques and implants and ability to recognize when fractures need stabilization, which fractures are amenable to conservative treatment and which would benefit from surgical repair. • To discuss the choice of suture material, needle and suture pattern used for each surgery

- To be able to discuss complications of the surgical techniques described
- To appreciate anesthesia requirements and protocols for small animal surgery
- To use diagnostic techniques as diagnostic imaging and laboratory tests in order to reach a diagnosis and evaluate the patient's condition and its ability to undergo anesthesia and surgical procedure.
- To induce and maintain general anesthesia using intravenous or inhalation technique and monitor the patient. Recognize and treat signs of pain during anesthesia.
- To be able to develop a post-operative plan for the patient's recovery
- To write case reports, clinical records, and owners' instructions in a clear and professional way
- To be familiar with the common infectious diseases in the dog and cat and have awareness of potential zoonoses and be familiar with common vaccination strategies in the dog and cat.
- To produce a diagnostic X-ray and to interpret it. To understand basic ultrasonography.
- To prepare blood smears and cytological slides and to interpret them, able to use blood and chemistry analyzers and able to perform a post-mortem
- To conduct a neurological examination and understand the anatomical and physiological basis of the various tests used in the clinical evaluation. Localize lesions to specific areas of the nervous system, recognize common disease of the nervous system and understand their pathogenesis. Design a rational approach to therapy of common neurological disorders of the nervous system
- To have knowledge and understanding of the classification and behavioral characteristics of common neoplasms of domestic animals, know diagnostic techniques relevant to neoplasia and understand the basic principles of management of neoplasia by surgery, radiotherapy and or chemotherapy.

	<ul style="list-style-type: none"> To give advice and administer first aid to emergency patients. Understand basic physiological derangements in extremely ill animals, have an appreciation of some of the practical methods of assessment and monitoring these patients, have exposure to come of the current ideas of therapeutic support that these patients may require. 																								
RCVS Day 1 skills	RCVS#2, RCVS#3, RCVS#5, RCVS#7, RCVS#9, RCVS#10, RCVS#11, RCVS#12, RCVS#13, RCVS#14, RCVS#16, RCVS#17, RCVS#19, RCVS#20, RCVS#21, RCVS#22, RCVS#23, RCVS#24, RCVS#25, RCVS#26, RCVS#27, RCVS#28, RCVS#29, RCVS#30, RCVS#31, RCVS#32, RCVS#33, RCVS#34, RCVS#35, RCVS#37, RCVS#38																								
Teaching Methodology	<p>Group of 4 students/tutor clinical training</p> <table border="1"> <thead> <tr> <th>Rotation scheme</th> <th>Weeks</th> </tr> </thead> <tbody> <tr> <td>First opinion practice</td> <td>4</td> </tr> <tr> <td>Soft tissue surgery</td> <td>1</td> </tr> <tr> <td>Orthopedic surgery</td> <td>1</td> </tr> <tr> <td>Clinical pathology</td> <td>1</td> </tr> <tr> <td>Emergency Care</td> <td>1</td> </tr> <tr> <td>Small Animal Medicine</td> <td>2</td> </tr> <tr> <td>Oncology</td> <td>1</td> </tr> <tr> <td>Neurology</td> <td>1</td> </tr> <tr> <td>Anesthesia</td> <td>2</td> </tr> <tr> <td>Radiology</td> <td>2</td> </tr> <tr> <td>TOTAL</td> <td>16</td> </tr> </tbody> </table>	Rotation scheme	Weeks	First opinion practice	4	Soft tissue surgery	1	Orthopedic surgery	1	Clinical pathology	1	Emergency Care	1	Small Animal Medicine	2	Oncology	1	Neurology	1	Anesthesia	2	Radiology	2	TOTAL	16
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Assessment	<ol style="list-style-type: none"> End of Year single exam paper covering small animal clinical rotation. Doctor as a Professional (DAP) assessment during rotation by rotation lead (Pass or Fail mark) 																								
Language	English																								