

# Syllabus

## CORE CLINICAL TRAINING (CCT) OF INTERNAL MEDICINE (Small Animals)

**Objectives:** *The Companion Animal Internal Medicine core clinical training (CCT) aims to ensure that the student can appropriately manage a clinical case.*

Specifically, this CCT aims to ensure that the student **is able to:**

- "**Soft" skills and competencies** (Making judgments; Communication skills; Ability to learn):
  1. Communicate with the pet owner
  2. Interact and communicate with medical staff
  3. Adequately collect the patient's medical history
  4. Compile a report and draw up a medical record
  5. Writing a letter to the owner of the animal
  6. Writing a medical prescription
  7. Understand and apply a standard operating procedure
  8. Use technological tools to obtain, process, share, and communicate up-to-date scientific and health information
  
- **Practical professional skills:** (Applied knowledge and understanding)

### Common Skills

1. Approach and adequately contain an animal, minimizing risks for the operator and stress for the patient
2. Perform appropriate triage in a referred subject for a clinical emergency and/or manage first aid-related issues
3. Perform an adequate and complete general physical examination
4. Carry out a more in-depth physical examination (particular physical examination of an apparatus) where required by the problems highlighted
5. Analyze anamnestic data and direct clinical findings and synthesize them into a list of differential diagnostic hypotheses
6. Set up an adequate diagnostic protocol based on the list of diagnostic-differential hypotheses
7. Analyze the results of the diagnostic protocol (laboratory and diagnostic imaging investigations) to formulate, if possible, a definitive diagnosis, therapy and prognosis
8. Administer medication according to appropriate modalities and dosages
9. Collect, process, store, transport and send the most common biological samples (blood, feces, urine, skin scrapings) in an appropriate way
10. Recognize the adequacy of the biological sample for the required analysis

### Specific Skills:

1. Assess an animal's nutritional status and provide dietary advice to its owner.
2. Provide the owner with advice on the daily management of their pet (diet, cleaning, etc.)

3. Carry out a vaccination
4. Educate the owner on vaccination and prophylactic plans (e.g. filariasis, ectoparasites) to adopt for their pet
5. Adequately monitor the hospitalized patient
6. Take a blood sample
7. Place a venous catheter
8. Measuring Systemic Pressure
9. Assemble a fluid line

**Lab-specific skills:**

1. Perform a complete blood count
2. Read a blood smear
3. Perform a urinalysis
4. Perform and interpret a blood gas analysis
5. Perform and comment on a Snap Test
6. Know and recognize health risks in laboratories and implement strategies to eliminate or limit these risks

**Specific Skills - Diagnostic Imaging:**

1. Positioning for a routine X-ray study
2. Interpret and report an X-ray of a companion animal
3. Perform a "Fast" ultrasound

**SYLLABUS**

Topics and skills acquired	Topics	Specific content
Ability to appropriately manage communication with an animal owner and colleagues	Compilation of the medical record - Collection of the medical history and interaction with the owner in the different phases of the diagnostic protocol	Collection of the medical history of the clinical case
		Communication with the owner regarding the outcome of the visit, clinical diagnosis, and proposed diagnostic procedures
		Compilation of the medical record and drafting of a discharge report.
		Exposure of a clinical case to shift change
Ability to appropriately manage a first visit Ability to set up and carry out appropriate therapy Ability to set up	Execution of direct physical examination (assessment of present state) and formulation of diagnostic differential clinical hypotheses	Execution of the direct physical examination and, where required, carry out a specific in-depth analysis (particular physical examination of an apparatus)
		Formulation of differential diagnostic clinical hypotheses and setting up of a diagnostic protocol
	Sampling of	Taking blood samples

and interpret collateral investigations	Biological substrates to be sent to the laboratory	Carry out aspirated needles, when the case history makes it possible
	Delivery of drugs and fluids through different routes	Inject subcutaneously, and intravenously
		Administer oral and topical medications
		Assemble a fluid line and set up a fluid therapy
	Assist in the implementation and Interpretation of X-rays and ultrasounds	Assist in the acquisition of radiograms and interpret X-ray examinations of the chest and abdomen.
Perform a "Fast" ultrasound		
Ability to carry out/assist in the management of a patient who has arrived at an emergency	Performing triage and patient stabilization	Triage
		Carry out a correct fluid therapy
		Monitoring an intensive care unit
Ability to obtain laboratory parameters Reliable	Performing the most common laboratory analyses	Evaluate the appropriateness of analytical samples concerning the required analyses
		Process biological samples and provide for their appropriate storage
		Perform a complete blood count to evaluate the blood smear
		Perform a blood gas test
		Perform a Clinical Chemistry Exam

The topics are subject to variations imposed by the actual case histories pertaining to the Services of the Department of Veterinary Medical Sciences.