

COMPANION ANIMAL CLINICS II

Study Programme: MIMV Curricular Year 5th Semester 10th Compulsory Credits: 3,5 ECTS

Teaching staff: Manuela Niza (CCP), Rodolfo Oliveira Leal, Ana Mafalda Lourenço, António Ferreira, e Gonçalo Vicente.

1. 1.Contact hours:

Lectures 26 Praticals 40 Total 66

2. Objectives:

The students should be able to integrate clinical history and the clinical signs observed in order to perform the differential diagnostic; to select the appropriate complementary exams and to interpret the results; achieve the definitive diagnosis; to prescribe the appropriate therapy; to explain the owner the prognostic and expenses foreseen.

3. Programme:

3.1. Theoretical:

Urinary System: Diagnosis and treatment of kidney (acute renal failure *versus* chronic renal failure), ureter, bladder and urethra diseases.

Cardiovascular System: Clinical approach to the patient with cardiovascular disorders (cardiac insufficiency *versus* circulatory insufficiency). Diagnosis and treatment of myocardium, endocardium and pericardium. Disturbances of cardiac rhythm. Circulatory and vascular disorders.

Nervous system: Diagnosis and treatment of brain, spinal cord and meninges.

Endocrine glands: Diagnosis and treatment of disorders of endocrine pancreas (diabetes *mellitus*), adrenal gland (hypo and hyperadrenocorticism) and thyroid gland (hypo and hyperthyroidism).

Oncology: General principles of chemotherapy and radiotherapy. Diagnosis, treatment and prognosis of lymphoma and leukemias.

3.2. Practical:

Clinical work at the hospital. Clinical cases discussion

4. Bibliography:

Ettinger, S.J., Feldman, E.C. and Cote E. (Ed.) (2016). Textbook of Veterinary Internal Medicine. Elsevier, 8th ed.

Nelson, R.W. & Couto, C.G. (Ed.) (2019). Small Animal Internal Medicine. Elsevier, 6th ed.

Feldman E, Nelson R., Reusch C., Scott-Moncrieff (2014). Canine and Feline Endocrinology. 4th edition.

4. Assessment:

The knowledge obtained through the semester will be evaluated through a written exam which includes the information taught both in theoretical and practical classes.