



MEDICAL PROPEDEUTICS II

Study Programme: MIMV Curricular Year 3rd Semester 6th Compulsory Credits: 4.5 ECTS

Lecturer(s): J. H. Duarte Correia (CCP), Maria Teresa Villa de Brito (R), Miguel Saraiva Lima

1. Contact hours:

Lectures 26 Practicals 26 Total 52

2. Objectives:

At the end of the semester, the student should be able to: define, describe and analyze biological signs and syndromes, collected from the examination of organs and systems, in the perspective of the appropriate ancillary tests necessary to orientate the diagnostic plan towards a given organ or system. Decide which laboratory ancillary tests to choose in order to explore body systems or organs; acquire relevant technical gestures and attitudes necessary to perform clinical pathology tests; correctly perform simple laboratory tests; interpret the results of laboratory tests critically, in the scope of information collected from history and clinical signs.

3. Programme:

Theoretical didactic units: Clinical pathology of Blood and Haematopoietic organs; Hepatology: laboratory evaluation and main hepatic liver diseases; exocrine pancreas: laboratory evaluation, acute pancreatitis, chronic pancreatitis and exocrine pancreatic insufficiency; Semiology of the digestive tract; Semiology of the Urinary system.

Practical classes: Laboratory Semiology: Complete blood count; Hemostasis Tests; Analysis of effusion fluids; Urinalysis". *Case-Based Learning (CBL)*": Blood and hematopoietic organs Hepatic Semiology; Exocrine Pancreas Semiology; Urinary system.

4. Bibliography:

Handouts provided by lecturers

Ettinger, S. J. e Feldman, E. C. (2011). *Textbook of Veterinary Internal Medicine: Diseases of the Dog and Cat, 6^aEd*, W.B. Saunders Company.

Latimer, K.S., Mahaffey, E.A. & Prasse, K.W. (2003). *Duncan & Prass's Veterinay Laboratory Medicine-Clinical Pathology*, 3th Ed, Iowa State Press.

Meyer, D.J, Coles, E.H.& Rich, L.J. (1992). *Vet. Lab. Med. – Interp. and Diag.* W.B. Saunders Company, Philadelphia.

Raskin, R.E. & Meyer, D.J. (ed.) (1996). Update on Clinical Pathology. *Vet. Clin.Nor. Am., S.A.P.*, Vol 26, N^o 5.

Stockham, S.L. & Scott, M.A. (2002). *Fundamentals of Veterinary Clinical Pathology*, 1st Ed, Stockham, S.L, Scott; M.A. Eds, Iowa State Press.

Villers E. & Blackwood L. (eds). (2005). *A Manual of canine and Feline Clinical Pathology*. 2nd Ed, BSAVA.

Willard, M.D., Tvedten, H. & Turnwald, G.H. (1994). *Small Animal Clin. Diag. by Lab. Meth.*. 2^a Ed. W.B. Saunders Company, Philadelphia.

4. Assessment:

The students' knowledge is evaluated at the end of the term with an oral practical examination focusing on a clinical case about blood and hematopoietic organs, hepatology, and urinary tract and with a written examination including theoretical subjects. Final marks are the mean of the two exams.