

ANATOMICAL PATHOLOGY I

Study Programme: MIMV **Curricular Year:** 2nd **Semester:** 4th **Compulsory** **Credits:** 5.0 ECTS

Lecturer(s): Maria Conceição Peleteiro (CCP & R) Jorge Correia e J. Ferreira da Silva

1. Contact hours:

Lectures - 28 hours; **Practicals** - 42 hours; **Tutorial** - Cytology practical in the School Hospital – 2 hours; **Total** – 72 hours

2. Objectives:

A) Cognitive capabilities: to define the response to injury of different tissues and organs. Describe the macroscopic lesions observed using the appropriate scientific language, establishing the relation cause-effect and the degree of dysfunction.

B) Technical capabilities: to perform a necropsy of various domestic animals, to provide an accurate and complete report and collect material for complementary exams. To perform a Fine Needle Aspiration Biopsy (FNAB) and a punch biopsy.

3. Programme:

Theoretical - Pathology of the following organs and systems: digestive system, including oral cavity and teeth; oesophagus and birds crop, ruminants forestomachs, stomach; intestine. Liver and biliary system. Exocrine pancreas. Peritoneum and retroperitoneum. Cardiovascular system: heart, pericardium, myocardium, endocardium; arteries, veins and lymphatic vessels. Lymphoid system: thymus, spleen, lymph nodes and bursa of Fabricius. Nervous system.

Practical - Necropsy technique in domestic mammals and birds. Collection of material for cytological exam. Skin biopsy with scalpel and punch. Observation of preserved pathological cases, representative of lesions of various organs and systems.

4. Bibliography:

Costa Durão, J.F., Peleteiro, M.C. & Silva, J.F. (edição atualizada todos os anos). *Apontamentos de Anatomia Patológica*. FMV.

Conceição Peleteiro, M., Correia, J., Delgado, E., Pinho, M., Pissarra, H., Carvalho, T., Lourenço, M., Gericota, B., Noiva, R., Orvalho, J. & Quintino, L.. *Atlas de Anatomia Patológica Veterinária* (<http://www.fmv.utl.pt/atlas/atlas.htm>).

Peleteiro, M.C., Marcos, R., Santos, M., Correia, J., Pissarra, H. e Carvalho, T. (2011). *Atlas de Citologia Veterinária*. Lidel – edições técnicas, lda. ISBN: 978-972-757-728-6.

McGavin, M. D. & Zachary, J. (2012). *Pathologic Basis of Veterinary Disease*. Mosby, U.S.A., ISBN: 9780323075336.

Website de consulta obrigatória: <http://w3.vet.cornell.edu/nst/>. Author Prof. John King, School of Veterinary Medicine, University of Cornell, U.S.A.

5. Assessment:

Practical: mean value of the necropsy reports (60%) and the practical exam (40%). The theoretical: multiple choice questions and one open-ended question. Final classification: FC = 0,5 T + 0,5 P.