

PATHOLOGY AND SURGICAL CLINIC II

Study programme: MIMV **Curricular Year** 4th, 5th **Semester** 8th, 9th **Optional** **ECTS:**

Lecturers: José Sales Luís (CCP), Miguel Carreira (R), Antonio Ferreira, Esmeralda Delgado, Lisa Mestrinho, Luís Lamas

1. Contact hours: Lectures - 26, Practical – 22

2. Objectives:

The student must recognize the main surgical pathologies, their mechanisms of physiopathological evolution, and understand how the surgical option should be a means to find a clinical and functional solution for the patient. The student should understand the diagnosis, medical alternatives, surgical prognosis, caregiver-related issues, and the constraints inherent to the surgical option. The student should be knowledgeable about surgical techniques, materials used, and alternative options. Basic surgical techniques such as incision, tissue manipulation, and suturing, as well as anesthetic procedures, should be mastered by the student.

3. Programme:

The program related to small animals includes plastic and reconstructive surgery, orthopedic and trauma surgery, cranioencephalic and spinal trauma, neurosurgery, minimally invasive surgery, and surgery of exotic animals, equines, and ruminants. Each theoretical topic is presented in class to the students, mainly with the support of PowerPoint presentations and occasionally with films. During practical sessions, students are introduced to the surgical approach of various specific clinical situations where, as part of a team of 5 to 8 students, they are responsible for following the case. Finally, one of the cases is prepared for a written presentation in the form of an article, allowing students to develop the habit of researching information to prepare for surgery and to cultivate a critical mindset regarding the various options available.

4. Bibliography:

Class handouts, lecture notes, scientific and technical papers.

Luis Gustavo G.G.; Minto, Bruno Watanabe; Dias. TRATADO DE ORTOPEDIA DE CÃES E GATOS. 2 Volumes, 2022.

Castro Jorge L, huppés Rafael R, Pazzini J, De Nardi A. CIRURGIA RECONSTRUTIVA EM CÃES E GATOS. 2021.

Brinker, Piermattei and Flo's.

HANDBOOK OF SMALL ANIMAL ORTHOPEDICS AND FRACTURE REPAIR. 4th Edição. 2006 Pavletic, RY.

ATLAS OF SMALL ANIMAL WOUND MANAGEMENT AND RECONSTRUCTIVE SURGERY 4^a ed. 2018

5. Assessment:

The theoretical classes are taught using PowerPoint presentations, which mainly include illustrative images of clinical surgical situations and the application of corrective surgical techniques. Occasionally, films are shown. The practical classes involve surgical groups following specific clinical cases, where they take responsibility for a case and participate as surgeon's assistants, anesthetists, or circulating nurses. One of these cases will be presented in the form of a written article, contributing to the final practical grade, which is also based on the recorded behavior of the group in all cases followed. These cases primarily involve small animals, exotics, and each group follows one equine surgery. The student is evaluated at the end of the semester by a written exam (80% of the final grade) and by the practical evaluation (20% of the final grade).