

ANAESTHESIOLOGY AND ANALGESIA

Study Programme: MIMV **Curricular Year:** 3rd **Semester:** 5th **Compulsory** **Credits:** 4.0 ECTS

Lecturer(s): António Ferreira (CCP) and José Limão Oliveira (R).

1. Contact hours:

Lectures – 26 hours, **Practicals** – 26 hours, **Total** – 52 hours

2. Objectives:

To provide the students the fundamental knowledge and applied techniques of Anaesthesia

3. Programme:

- Local anaesthesia. Mechanisms of action of local anaesthetics, main local anaesthetics, techniques of local anaesthesia (analgesia); techniques of regional anaesthesia (analgesia).
- General anaesthesia: Mechanisms of action of general anaesthetics; general anaesthesia by means of fixed anaesthetics; general anaesthesia by means of inhalation.
- Pre-anaesthetic care: Clinical examination, selection of the anaesthesia technique, preanaesthetic medication, and equipment verification.
- Intra-anaesthetic care: Monitorisation of the patient, control of equipment, muscle relaxation, anaesthetic accidents - reanimation.
- Post-anaesthetic care.
- Anaesthesia in the different animal species.
- Anesthesia in cesarean.
- Euthanasia.

4. Bibliography:

- Limão Oliveira, J. & Panhanha Serrão, A. (2014). *Apontamentos de anestesiologia e analgesia*. Texto policopiado (294 páginas), FMV, Lisboa.
- Limão Oliveira, J. e Panhanha Serrão, A. (2011). *Paragem cardiorrespiratória em pequenos animais*. Texto policopiado (53 páginas), FMV, Lisboa.
- Hall, L.W. & Clarke, K.W. & Trim, C.M. (2001). *Veterinary Anaesthesia*, 10^a edição, W.B. Saunders.
- Muir, W.W. (2007). *Handbook of Veterinary Anesthesia*. 4^a Edição, St.Louis, Mo., Mosby Elsevier.
- Seymour, C. & Gleed, R. (1999). *Manual of Small Animal Anaesthesia and Analgesia*. British Small Animal Veterinary Association.
- Skarda, R.T., Bednarsky, R.M., Muir, W.W & Hubbell, J.A.E. (1997). *Manual de Anestesia Veterinaria*. 2^a Edición, Mosby, Madrid.
- Turner, A.S., McIlwraith, C.W. & Hull, B.L. (1989). *Techniques in large animal surgery*. 2nd Edition, Lea & Febiger, Philadelphia, London.

5. Assessment:

The students' knowledge is evaluated at the end of the term with a written examination including theoretical and practical subjects.