

IMAGIOLOGY

Study Programme: MIMV Curricular year: 3th Semester: 6th Compulsory Credits: 4 ECTS

Teaching team: António José Almeida Ferreira (CCP and R), Sandra Oliveira Jesus, Rui Lemos Ferreira, Luis Pardon Lamas

1. Contact hours

Lectures - 26 hours, **Practicals** - 13 hours, **Total** – 39 hours

2. Objectives

- Transmit the student the idea that imaging is a set of resources that serve , through the image , to clarify some aspects of the case in question . However, the diagnosis should be made taking into account all aspects of the case.
- Train the student in analyzing the image, ie, requiring that the image is observed in a methodical way and from there you extract all the information it can provide.

3. Programme

3.1. theoretical

Basic principles of X-radiation, ultrasound , computed tomography , magnetic resonance imaging , scintigraphy . Interpretation of the normal radiographic anatomy by anatomical regions of dog and cat and appendicular skeleton horse.

3.2. practical teaching

Radiographic facilities, radiographic defects , contrast radiographic examinations, positioning radiographic , ultrasound patterns

4. Bibliography

- Douglas, SW; Herrtage, ME; Williamson, HD
Principles of Veterinary Radiology; Ballière and Tindall, 4^a edição, London, 1987.
- Morgan, JP
Techniques of Veterinary Radiography, Iowa State University Press, 5^a edição, Iowa 1993.
- Thrall, DE, Textbook of Veterinary Diagnostic Radiology, WB Saunders, 7^a edição, Philadelphia, 2018.
- Small Animal Diagnostic Ultrasound, Elsevier health, 4^o Ed. , Philadelphia, 2020.
- Buttler, J., Clinical Radiology Horse, 4^o edition , Willey ed, London , 2017

5. Evaluation of knowledge

The theoretical and practical assessment is performed through a written test with 20 questions, covering every chapter of the matter, with the aim that the answers given are short and succinct manner, within a few lines.

The student must obtain the written evaluation at least 10 values.