EQUINE NEONATOLOGY

Study Programme: MIMV   **Curricular Year: 4**[th]   **Semester: 8**[th]   **Optional**   **Credits: 2.5 ECTS**

Docente(s): José Paulo Sales Luís (CCP), Paula Tilley (R), Luis Lopes Costa, Constança Pomba, Teresa Villa Brito, Joana Simões

1. Contact hours: Lectures: 20h   Practicals: 4h

2. Objectives:
To give students theoretical and practical knowledge and some practical clinical skills in equine neonatal medicine.
Students must get skills in equine neonatology in a systematic way through anamnesis, patient history, symptom evaluation and history registration. They must be able to select complementary information and exams in order to perform a definitive diagnosis. Communication skills with clients and medical staff, and correct foal handling are also requested.

3. Program:
The program includes subjects like: evaluation of foetal well being and gestational viability; first appointment of the mare; first appointment of the foal; feeding the foal - practical aspects; anaesthesia of the mare at the end of gestation; sedation and anaesthesia of the foal; transport of the foal; neonatal resuscitation; abdominal surgery in the foal; fluid therapy, transfusion and parenteral feeding of the foal - its use in immunological cases (lack of passive transfer of immunity and neonatal isoerithrolisis), diarrhoea and pneumonia; antibiotic therapy in horses; neonatal infection and septic arthritis; antibiotic therapy in clinical cases; clinical haematology and biochemistry in the foal; breaking the young horse; non-infectious orthopaedic diseases in the foal; identification and genotyping; "Early Learning" method; practical clinical exam of foals in a stud farm.

4. Bibliography

Knottenbelt, D.C., Holdstock, N. & Madigan, J.E. (2005). Equine Neonatology - medicine and surgery. Saunders.
Koterba, A.M., Drummond, W.H. & Kosch, P.C. (1990). Equine Clinical Neonatology. Lea & Febiger.
Paradis. M.R. (2006). Equine neonatal medicine - a case-based approach. Saunders.

4. Assessment

The student's knowledge is evaluated in the end by a written exam with memorization questions and/or recognition questions and/or summarization questions.