

Medicina i Cirurgia d'Èquids

2014/2015

Code: 102620
ECTS Credits: 7

Degree	Type	Year	Semester
2502445 Veterinària	OB	4	A

Contact

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Use of languages

Principal working language: català (cat)
Some groups entirely in English: Yes
Some groups entirely in Catalan: Yes
Some groups entirely in Spanish: No

Teachers

Marta Prades Robles
Eduardo José Cunilleras

Objectives and Contextualisation

The subject of Equine Medicine and Surgery is a compulsory subject in the fourth year. It introduces students to the knowledge of the medical and surgical treatment of diseases most common in horses, from a clinical and integrative perspective.

It includes the basics of medical conditions, feeding, management, and pathology in equine reproduction.

The educational objectives of the course are:

- Understand the basic concepts and methodology used in the study of the most common diseases of the feeding or management.
- Understanding the pathogenic mechanisms that will be the basis for a proper understanding and interpretation of various equine diseases to medical treatment or surgical pathology of reproduction.
- Make differential diagnosis from signs and lesions observed in animals.
- Learn the basics of fluid therapy and treatments applied to horses in emergency clinical situations.
- Develop a treatment plan medical and / or surgical adapted to each case.
- Develop a program of disease prevention program of medical, surgical or reproductive conditions.

Content

Gastrointestinal section:

- Diseases of the oral cavity, pharynx and esophagus.
- Colic syndrome: predisposing factors and exploratory protocols.
- Medical colic: stomach ulcers, colon impactions, sand, or parasites.
- Medical colic: emergency treatments, shock, acid-base imbalances, coagulopathies.

- Acute diarrhea, chronic weight loss.
- Review of exploratory laparotomy and digestive anatomy.
- Basic techniques of intestinal surgery in the horse.

Locomotive section:

- Most frequent pathologies of the inner and extremities. Approach the horse with lameness: 2 methods typical and frequent clinical cases.
- Diseases Orthopaedic growth: fisitis, OCD, angular and flexural deformities.
- Chronic laminitis.
- Ataxia in horses.
- Muscle Pathology: rhabdomyolysis.

Respiratory section:

- Detection of upper respiratory problems, poor athletic performance: endoscope image.
- Paper, sinusitis, guttural bags.
- Pneumonia and pleurisy.
- Recurrent lower respiratory tract obstruction (COPD).
- Review of respiratory viral and parasitic diseases: practical approach to the field.

Reproductive section:

- Exploration of the mare genital tract.
- Infertility in the mare:

problems forming genital tract

ovarian pathology

metritis (Post postpartum metritis persistent): control systems and pharmacological
endometriosis syndrome mare old virgin.

- Monitoring of pregnancy:

fetal development

placentitis

- Loss of gestation:

embryonic mortality

abortion

- Exploration of the male genital tract.

- Of male infertility:

problems in copulation and / or obtaining semen
Semen analysis and fertility
seminal plasma and fertility
improving the quality of semen

- Obstetrics.

- Postpartum Issues:

influence on subsequent fertility

- Genital Surgery:

castration
ovariectomy
Caslick
vaginoplasty
cervical
Caesarea

Neonatology section:

- Newborn Foal: resuscitation, failure of passive transfer of immunity, hypoxic ischemic encephalopathy
- Septicemia, septic arthritis.
- Resolution of scrotal and umbilical hernia .

Miscellaneous:

- Hemolinfatic anemia, piroplasmosis, lymphoma.
- Cardiology: interpretation of heart murmurs and arrhythmias in horses.
- Imaging: radiographic and ultrasonographic basic interpretation: an emphasis on osteoarthritis, OCD, tendonitis.
- Ophthalmology: Ophthalmologic examination of the particular horses, corneal ulcers and uveitis.
- Frequent Emergency: What to do in case of injury, fracture, horse fell exhausted, traumatized horse serious horse drowning. How eutanasiar a horse safely.
- Preventive medicine: common protocols for vaccination and deworming horses to ride, high competition and stud.