C-E.3 Equine General Medicine

Credits: 10 (100 hours)

Provider: Veterinary Postgraduate Unit – School of Veterinary Science

RCVS Content Covered

The following outlines the modular content as set out by the RCVS.

At the end of the module, candidates should be able to:

- Demonstrate thorough understanding of the anatomical, physiological, immunological and pathological processes involved in diseases of the hepatobiliary, urinary, haematopoietic and haemolympathic systems, and endocrinological and dermatological disorders, including the relationships between these body systems and the overall health status of the patient.
- Show familiarity with principles and practical application of oncology.
- Show thorough familiarity with the clinical presentation, diagnosis, treatment and prevention of diseases of the equine hepatobiliary, urinary, haematopoietic and haemolympathic systems, and equine endocrinological and dermatological disorders.
- Demonstrate understanding and promote concepts of a problem-orientated approach in horses of all age groups presenting with liver failure, hepatic encephalopathy, jaundice, dysuria, urinary incontinence, discoloured urine, polydipsia/polyuria, anaemia, thrombocytopenia, purpura, vasculitis, lymphangitis, immunodeficiency states and skin lesions.
- Review and constructively criticise current literature in the subject area, to enable them to determine its relevance to their current practice.
- Utilise their understanding of Evidence Based Medicine and Decision Analysis to develop practical diagnostic and treatment protocols for their patients.
- Use available resources and communicate with owners in such a way as to achieve optimum results in their practice circumstances in relation to general medicine cases.
- Review the outcomes of at least part of their clinical work, using the process of clinical audit to improve performance.
- Recognise when a case is truly unusual, and become familiar with the information resources available to enable them to deal with such cases.
- Recognise when a case is beyond their personal or practice capabilities, and provide an effective channel of referral.

Aim of the Module

The aims of this module are to advance your knowledge of disease and disorders involving the hepatobiliary, urinary, haematopoietic, haemolympathic, endocrine and integumentary systems using a problem orientated approach.
This module will also incorporate the generic skills of evidence based medicine, clinical reasoning, literature review and critique, communication, clinical audit and reflection.

**Learning Outcomes**

By the end of this module successful candidates will be able to demonstrate:

1. in-depth understanding of the anatomical, physiological, immunological and pathological processes involved in diseases of the hepatobiliary, urinary, haematopoietic, haemolymphatic, endocrine and integumentary systems;
2. application of the processes involved in of diseases of the hepatobiliary, urinary, haematopoietic, haemolymphatic, endocrine and integumentary systems in the synthesis of appropriate protocols for diagnosis, treatment and control disease affecting these systems;
3. clinical reasoning skills and the use of evidence based medicine in the decision making process of diagnostic approach and management of diseases of the hepatobiliary, urinary, haematopoietic, haemolymphatic, endocrine and integumentary systems;
4. competence in application of a problem-orientated approach in horses of all age groups presenting with liver failure, hepatic encephalopathy, jaundice, dysuria, urinary incontinence, discoloured urine, polydipsia/polyuria, anaemia, thrombocytopenia, purpura, vasculitis, lymphangitis, immunodeficiency states and skin lesions;
5. the ability to critically appraise literature relevant to the hepatobiliary, urinary, haematopoietic, haemolymphatic, endocrine and integumentary systems and discuss how the literature can be used to inform practice;
6. the ability to critically review and reflect on your clinical work, including identifying potential clinical audit points translating to new protocols or measureable outcomes;
7. the ability to independently research and critically review the literature to provide evidence to support current or revised protocols for diagnosis or management of diseases affecting the hepatobiliary, urinary, haematopoietic, haemolymphatic, endocrine and integumentary systems.

**Module Structure**

The module is divided into 6 study units:

**Study Unit 1** Hepatobiliary

**Study Unit 2** Urinary

**Study Unit 3** Haematopoietic

**Study Unit 4** Haemolymphatic (and oncology)

**Study Unit 5** Endocrine

**Study Unit 6** Dermatology

In each area you will be expected to discuss the anatomical, physiological, immunological and pathological processes involved, clinical presentation, diagnosis, treatment and prevention of diseases. In combination with each study unit we will revise our clinical key skills in critiquing the literature and evidence based medicine by journal clubs throughout the module on set topics designed to answer an EBM question.
Assessment Strategy

4 x short answer question and/or MCQ tests, 1 x reflective case/essay at the end of the module (2000 words) and 1 x journal critique/journal club presentation (pass/fail)