

<b>Reference Number</b>	C-E.17
<b>Module Title</b>	Basic Equine Practice – Part 3
<b>Category and Value</b>	C – 10 credits
<b>Study Hours</b>	100

## Introduction

This module will involve the approach to and management of neonatal, neoplastic and musculoskeletal equine diseases as well as develop postgraduate knowledge in equine toxicology, therapeutics and surgery relevant to basic equine practice. It is aimed at practicing equine veterinarians.

Candidates should complete Foundations of Advanced Veterinary Practice (A-FAVP.1) and Equine Practice (B-EP.3) prior to this module, as they provide essential postgraduate training in literature critique and evidence-based medicine (required for journal clubs and assessments) and fundamental training in reflective and evidence-based writing and clinical reasoning, required for case-based assessments.

This module is one of three C-modules covering Basic Equine Practice. Completion of all three Basic Equine Practice modules is required for candidates aiming to achieve a designated Certificate in Advanced Veterinary Practice (Basic Equine Practice) and should be taken in sequence with C-E.15 and C-E.16.

This module can also be taken as a free-standing module. It has a notional 100 hours study and when completed it has the equivalent to 10 Credits.

## Aims

The aim of this module is to develop basic postgraduate knowledge and practice experience involving the approach to and management of equine neoplastic conditions, diseases affecting the neonatal foal and the musculoskeletal system as well as to develop knowledge and experience in areas of equine toxicology, therapeutics and surgery relevant to equine practice.

## Learning Outcomes

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

1. Critically evaluate the clinical disease syndromes and the approach to diseases affecting the musculoskeletal system and neonatal foal and apply this knowledge in the diagnostic evaluation and treatment of clinical cases.
2. Critically evaluate common neoplastic disorders affecting the horse, including their investigation, management and prognosis.
3. Critically evaluate the principles of basic equine surgery and peri-operative care so as to minimise surgical infection, time to wound healing and post-operative complications

4. Critically evaluate the pharmacology and use of the major drug groups, and their applicability to the various body systems, and the legal and ethical aspects of drug use.
5. Critically investigate toxicological problems in equine practice
6. Critically apply clinical reasoning skills and evidence-based medicine in the diagnostic approach and management of diseases relevant to the topics covered.
7. Critically appraise the literature relevant to clinical cases in the topics covered, and how the literature can be used to inform practice.
8. Critically reflect on the appropriate case for onward referral.

This module will also incorporate the generic skills of evidence-based medicine, clinical reasoning, literature review and critique, communication and reflection.

## **Module Content**

### **Neonatal Medicine**

- Physiology, adaptation to extrauterine life and transfer of passive immunity
- Supportive care of the neonate
- Colic and sepsis in the neonate
- Developmental orthopaedic, respiratory and gastrointestinal disease in the older foal.

### **Neoplastic Conditions**

- Neoplasia of the skin
- Thoracic and abdominal neoplasia.

### **Principles of Equine Surgery**

- Surgical principles, instrumentation, sutures and surgical wound healing
- Control of surgical infection pre-operatively, intra-operatively and post-operatively
- Post-operative complications and care of the post-operative patient.

### **Musculoskeletal System**

- Diagnostic approaches to the equine musculoskeletal system and diagnostic anaesthesia
- Diagnostic imaging of the equine musculoskeletal system and image interpretation.
- Common specific diseases of the equine musculoskeletal system including synovial sepsis, osteoarthritis, laminitis, tendon and ligament injuries and myopathies.

### **Therapeutics**

- Antimicrobial therapy in horses including the different classes, pharmacokinetics and stewardship involved in their use.
- Current anthelmintic resistance in horses
- Anti-inflammatories and the indications, implications and choices surrounding their use.

### **Toxicology**

- Recognition of common plant and environmental toxins
- Antidotes and management of poisonings
- Forensic post mortem examination in the horse

## **Assessment Strategy**

Module providers are responsible for deciding on assessment strategies and methods, subject to accreditation by RCVS.