

## C-SAM.9 Small Animal Medicine (B)

**Credits:** 10 (100 hours)

**Provider:** Veterinary Postgraduate Unit – Institute of Veterinary Science

### RCVS Content Covered

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

#### 1. Gastrointestinal disorders

- Clinical evaluation of the gastrointestinal system, including the liver and pancreas
- Principles and applications of diagnostic aids (laboratory tests, radiology, endoscopy, ultrasonography, biopsy)
- Diagnosis and management of common disorders of the GI tract

#### 2. Urogenital disorders

- Clinical evaluation of the urinary and genital system
- Principles and applications of diagnostic aids (laboratory testing, radiology, ultrasonography)
- Diagnosis and management of the common disorders of the urogenital tract
- Diagnostic and management of the common infectious diseases affecting primarily the urogenital tract

#### 3. Critical care

- Principles and techniques applicable in general practice, including fluid therapy and respiratory support
- Diagnosis and management of the common small animal poisons

#### 4. Clinical nutrition

- Basic principles involved in delivering a balanced diet, life stage and life style nutrition
- The role of diet in disease
- Principles and applications of dietary management including enteral nutrition techniques

### Aim of the Module

The aim of this module is to develop the depth and breadth of the candidate's knowledge and understanding of disorders of the gastrointestinal and urogenital systems affecting dogs and cats including pathophysiology, clinical signs, diagnostic approach and rational therapy including the application of the principles of clinical nutrition and critical care.

## Learning Outcomes

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

1. demonstrate in-depth understanding of the pathophysiology of conditions of the gastrointestinal and urogenital systems and principles and application of clinical nutrition;
2. demonstrate the ability to apply their knowledge in a logical and thorough diagnostic approach to investigation and treatment of clinical cases, including an in depth understanding of the use of laboratory testing, radiology, ultrasonography, endoscopy and biopsy and their integration into case management;
3. demonstrate an in depth understanding of the principles and application of clinical nutrition, including the normal dietary requirements at various stages of development, alterations in dietary requirements in the disease state and dietary management including enteral techniques;
4. demonstrate in-depth knowledge of critical care, as applied to general practice, including the indications for, and application of, fluid therapy, respiratory support and intensive monitoring;
5. demonstrate critical awareness of the common small animal poisons and their clinical management;
6. evaluate critically the pharmacology and use of the major drug groups, and their applicability to the various body systems;
7. appraise critically the literature relevant to clinical cases in the topics covered and discuss how the literature can be used to inform practice;
8. demonstrate the ability for critical reflection on their clinical work, including identifying potential clinical audit points translating to new protocols or measureable outcomes;
9. demonstrate the ability to recognise the appropriate case for onward referral.

## Module Structure

The syllabus will be divided into 4 study units

**Study Unit 1:** This unit will cover gastrointestinal disorders in the dog and cat. The focus is on the diagnostic approach; in particular the integration of clinical examination and further diagnostic testing (laboratory work, radiography, ultrasonography, endoscopy and biopsy) in establishing a diagnosis.

**Study Unit 2:** This unit will cover urogenital disorders in the dog and cat. The focus is on the diagnostic approach, clinical reasoning process, evidence based medicine and management of cases. This will include long term monitoring and preventative therapies.

**Study Unit 3:** This unit will cover critical care medicine. The focus is on recognition and initial management of emergency patients including respiratory support and fluid therapy. Intensive care options and monitoring techniques will be covered including the integration of laboratory testing, ongoing clinical assessment and imaging techniques. The management of the common poisons of the dog and cat are included.

**Study Unit 4:** This unit will cover life stage and life style nutrition and how these requirements are altered in various disease states. The focus is on the need to identify altered requirements, deliver them effectively and monitor the success of treatment plans. Enteral feeding techniques, their indications and applications are included.

## Assessment Strategy

Portfolio of cases (20 case log book), 3 x reflective case reports (1500 words), 1 x short answer question and/or MCQ test and 1 x journal critique/journal club presentation (pass/fail)

PLEASE NOTE: It is your responsibility to ensure that you have access to sufficient appropriate cases where you were the primary decision maker to produce adequate material for the module. This may not be possible with some internship positions. You must also be aware of any limitations of your facilities that may make the accumulation of appropriate cases difficult or impossible.