

REF. NO.	B-SAP.1
TITLE:	SMALL ANIMAL PRACTICE
CATEGORY AND VALUE:	B - 10 CREDITS
NOTIONAL STUDY HOURS:	100

This module is relevant to a number of species and discipline based modular certificates, such as small animal practice, anaesthesia, cardiology, dermatology, diagnostic imaging and reproduction, and can also be taken as a stand alone module, in conjunction with the B-Clinical Key Skills module (B-CKS.0)

The B-Small Animal Practice module is **required** for all candidates who are aiming to achieve a small animal 'designated' certificate. It may also be taken in conjunction with other B modules for those who work in mixed practice.

LEARNING OBJECTIVES & ASSESSMENT

Please refer to the General Guidance and Assessment for all Modules document for guidance on assessment.

Candidates should have a sound grounding in the areas of practice listed below. They also need develop the skills needed to create case studies that demonstrate the following competencies:

- The written communication skills required to present case studies
- An ability to demonstrate their competence in the area under discussion
- Reflective skills that enable them to understand the issues raised by the case and what they learnt from it.

CONTENT

1 SURGERY – PRINCIPLES OF SURGICAL PRACTICE

Principles of asepsis, preparation of personnel, patient and theatre -

- Surgical equipment/instruments: maintenance and sterilisation of instruments including non autoclaveable materials and equipment such as flexible endoscopes
- Surgical materials, implants and suture patterns
- Drains and surgical and orthopaedic dressings
- Tissue healing; understand the principles of normal tissue healing and the responses to injury
- Understand the relationship between tissue handling, surgical technique and tissue healing

- Haemostasis
- Common surgical approaches and techniques to the thorax, abdomen, axial and appendicular skeleton.
- Principles of dentistry
- Post operative monitoring and care

2 MEDICINE – COMMON DISEASES AND ZONOSSES

Those affecting the major body systems which should include the basics of dermatology, cardiology and ophthalmology.

- Developing a problem-oriented approach to medical problems
 - appreciation of clinical signs
 - logical use of diagnostic techniques
 - confirmation of a diagnosis
- Management and treatment strategies, including vaccination
- Selection and administration of fluid therapy (including the use of blood products) and basic critical care
- Differentiate between different types of shock (including sepsis) and identify appropriate treatment strategies including sepsis

3 DIAGNOSTIC – DIAGNOSTIC IMAGING

- Ultrasonography (theory and applications)
- Basic radiographic processing (development and film fault identification)
- Radiological interpretation including knowledge of normal variations and normal development:
 - limited knowledge of the indications for MRI, CT and scintigraphy.
 - use and interpretation of endoscopy (rigid and flexed systems including arthroscopy)
- Laboratory investigation -
 - indications for screening and specific tests; interpretation of results; knowledge of appropriate sample handling and quality control (parasitology, cytology, haematology, biochemistry and serology)
- ECG -
 - application and principles of interpretation

4 ANAESTHESIA

- Pre-anaesthetic assessment, including:
 - appropriate consideration of any pre-existing conditions and the likely consequences of these for the planned anaesthetic procedure
- Appropriate pre-anaesthetic medication (pre-medication) including:
 - basic understanding of the clinical pharmacology of the drugs that will be used
- Induction and maintenance of general anaesthesia including:
 - A basic understanding of the appropriate use of anaesthetic equipment

- A basic understanding of the appropriate use of anaesthetic monitoring techniques
- Basic understanding of the clinical pharmacology of the drugs that will be used
- Management of the recovery/postoperative period including:
 - Peri-operative analgesia
 - Supportive care (critical care)

5 THERAPEUTICS

Pharmacy regulations

A basic understanding of the clinical pharmacology of the drugs used in the diagnosis and treatment of small animals.