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| Reference Number | C-S.3 |
| Module Title | Diseases of lambs and parasitic diseases |
| Category and Value | C – 10 credits |
| Study Hours | 100 |

Introduction

Candidates working towards the Certificate will need to complete the following modules: A-FAVP.1 Foundations in Advanced Veterinary Practice and B-PAP.2, preferably before undertaking this module. Completion of this module is necessary, along with the C-Sheep modules 1 and 2, for candidates aiming to achieve the Certificate in Advanced Veterinary Practice (Sheep Practice). Candidates aiming to achieve the Certificate in Advanced Veterinary Practice (Farm Animal Practice) will need to complete three C-modules from the selection of farm animal (cattle and sheep) modules, plus one other B or C module. Upon completion of all the necessary modules, a further synoptic assessment will also be required.

The focus of this module is specifically on diseases of lambs and parasitic diseases. The candidate is also expected to build on the foundation skills developed when undertaking the A and B modules, and to demonstrate progression towards advanced practitioner skills. The candidate will be able to evaluate their own standards of practice and develop strategies for continuous improvement in the future.

Aims

The aims of the module are to enable the candidate to extend and consolidate clinical knowledge and skills gained at undergraduate level, to promote a scientific, evidence-based approach to sheep health and production, and to develop both practical and theoretical skills in the field.

Learning Outcomes

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

1. Critically evaluate lamb production systems, economics, key performance indicators, nutrition, grassland management, trace element requirements and disorders associated with deficiencies or imbalance.
2. Systematically evaluate endoparasitic diseases of sheep using appropriate diagnostic techniques, and then implement appropriate treatment and prevention strategies, being able to critically evaluate any limitations.
3. Systematically evaluate ectoparasitic diseases of sheep using appropriate diagnostic techniques, and then implement appropriate treatment and prevention strategies, being able to critically evaluate any limitations.

4. Systematically investigate disorders and diseases of growing lambs using appropriate diagnostic techniques, and then implement appropriate treatment and prevention strategies, being able to critically evaluate any limitations.
5. Critically evaluate the literature in order that evidence-based medicine underpins all decision-making processes.

Module Content

Lamb production systems:

- Economics
- Key performance indicators
- Animal welfare
- Nutrition
- Grassland management

Diseases of Lambs (>7 days old)

Candidates will be expected to become familiar with the following categories of information for diseases occurring in the lamb (non-neonatal)

- Disease aetiology
- Clinical presentation
- Differential diagnosis
- Epidemiology and risk factors for disease
- Appropriate diagnostic techniques
- Appropriate medical and surgical therapies
- Appropriate anaesthesia and analgesia
- Prognosis and outcomes
- Animal welfare implications
- Economic implications
- Public health implications
- Management and prevention of disease at the individual and flock level

Ectoparasites of Sheep

- Understanding the biology of common ectoparasites including ticks, lice, mange mites and flies.

Candidates will be expected to become familiar with the following categories of information for diseases associated with ectoparasites

- Disease aetiology
- Clinical presentation
- Differential diagnosis
- Epidemiology and risk factors for disease
- Appropriate diagnostic techniques
- Appropriate therapies
- Prognosis and outcomes
- Animal welfare implications

- Economic implications
- Public health implications
- Management and prevention of disease at the individual and flock level

Endoparasites of Sheep

- Understanding the biology of common ovine endoparasites and their life cycles.

Candidates will be expected to become familiar with the following categories of information for diseases associated with ectoparasites

- Disease aetiology
- Clinical presentation
- Differential diagnosis
- Epidemiology and risk factors for disease
- Appropriate diagnostic techniques
- Appropriate therapies
- Prognosis and outcomes
- Animal welfare implications
- Economic implications
- Public health implications
- Management and prevention of disease at the individual and flock level

Assessment Strategy

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