

Ref. No.	C –C.6
Title:	Cattle – Bovine Mastitis and Lameness
Category and value:	C - 10 Credits
Notional study hours:	100

Candidates working towards the designated Certificate in Advanced Veterinary Practice (Cattle) will need to complete the following modules: A-FAVP.1 Foundations in Advanced Veterinary Practice, B-PAP.2 Production Animal Practice, C-C.6 Cattle – Bovine Mastitis and Lameness and at least two other Cattle C modules (from C-C.4, C-C.5 and C-C.7) plus one other C module which may be a fourth cattle module. Upon completion of all the necessary modules, a further synoptic assessment will also be required.

Aims

The aim of this module is to enable the candidate to consolidate and increase the depth of clinical knowledge and skills gained at undergraduate level, so that they can systematically apply this knowledge to the management of lameness and mastitis in beef and dairy herds. The candidate will be able to critically evaluate their own standards of practice and develop strategies for continuous improvement in the future.

Learning outcomes

At the end of this module delegates should be able to:

1. Apply in depth knowledge of the management and monitoring of mastitis and lameness to dairy herds;
2. Critically evaluate the role of the veterinary surgeon in planned mastitis and lameness control;
3. Use evidence based medicine and sound clinical reasoning processes to explain the aetiology, pathology, diagnosis, differential diagnosis, treatment, prognosis and control of mastitis and lameness;
4. Have in-depth knowledge of the husbandry and management of dairy cattle in the UK, as related to the control of mastitis and lameness;
5. Use their knowledge to construct plans for the control of mastitis and lameness in dairy and beef herds
6. Understand the legislation relating to the health, management, and welfare of cattle and food production in the UK

Write professional reports to farmers and/or veterinary surgeons

Module Content

Mastitis

Mastitis pathogens, their epidemiology, treatment, prevention and control

The role of the dry period and dry cow therapy

Milking machine: its function, maintenance and testing; common problems and their role in mastitis

The milking routine and teat disinfection; pre- and post-milking

Somatic cell count – relevance, measurement and monitoring at herd and individual cow level

C-Cattle.6

Diseases of the udder and teat

Economics, targets, recording and monitoring systems

Lameness

Routine foot care, trimming and footbathing

Infectious and non-infectious causes of lameness and their treatment, prevention and control

Risk factors for lameness

Interaction between nutrition and lameness

Economics, targets, recording and monitoring systems

Assessment strategy for this module

- A case book of three cases, each of up to 1500 words length. These cases should be selected to demonstrate the candidate's ability to use the competences that have been acquired to cope with a challenging situation, rather than using classic "textbook cases" of particular conditions.
- Short answer test and or MCQs (1 hour)