



Management of Metabolic and Production Disorders in Cattle

This course will enhance the knowledge and skill of veterinarians with recent updates enabling them to implement appropriate treatment protocols and control of production disorders for the cattle. Metabolic disorder or production disorder is most common disease entities in lactating dairy animals which leads to severe economic losses in terms of reduction in milk yield and impaired reproductive performance. Dairy production is challenged by the fact that 30 – 50 per cent of dairy cows are affected by one or more forms of metabolic or infectious disease at the time of calving. Metabolic disease conditions are multifactorial and commonly occur due to high physiological stress or demand for nutrients with late pregnancy and early lactation being key period. This course will benefit veterinarians to enrich knowledge and skill on sub-clinical and clinical form of metabolic disorders and measures for early diagnosis and management in cattle and small ruminants. This in turn will help to increase the economy of the farmers by saving the life of the animals, preventing the death of cattle from the diseases and by sustaining animal production / productivity.

Who should attend this course

- Practicing veterinarians
- Pre-final, final and internee of veterinary science
- Veterinarians working in State Animal Husbandry Departments, NGOs
- Veterinarians working in State Veterinary Universities / Veterinary Colleges

Course Content

Hypocalcemia (Milk fever) in cattle	Downer cow syndrome
Ketosis in ruminants	Update in bovine Mastitis
Post-parturient hemoglobinuria in cattle	Hypomagnesemic tetany in cattle

At the end of the course, the participants(s) will know about

- Understand the diagnosis and staging of milk fever in cattle.
- Know the pathogenesis and differential diagnosis of recumbent cow.
- Diagnose ketosis and management of its complications in ruminants.
- Gain and update knowledge on treatment and alternatives to antibiotics in bovine Mastitis.
- Learn differential diagnosis approach to post-parturient haemoglobinuria.
- Learn the managerial practices and therapeutic approach to hypomagnesemic tetany.

Certificates

Qualifying registered learners will be given certificates based on their involvement and performance. Participation and Competency certificates will be issued by Centre for Continuing Education (CCE), IIT Kanpur, India, Commonwealth of Learning (COL), Canada and Tamil Nadu Veterinary and Animal Sciences University (TANUVAS), Chennai, India.

COURSE NAME

Management of Metabolic and Production Disorders in Cattle

START DATE

May 31, 2022

DURATION

6 Weeks

PREREQUISITES

None

REGISTRATION

Open and free of charge

Course Director

Dr. N.K. Sudeep Kumar
Director of Extension Education,
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Instructors (TANUVAS)

Dr. S.Kavitha
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Dr. S.Sivaraman
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