

Livestock especially ruminants play a significant role in global food security, rural livelihoods and economies of developing nations. They are providers of income and employment for farmers besides providing diverse range of products such as milk, meat, hides, wool, heat and energy. The milk and meat from ruminants are also an important source of calories, high quality proteins and micro-nutrients. Under-consumption of animal proteins is linked to malnutrition and stunting with serious health outcomes globally. 17% of calories and 33% proteins consumed worldwide comes from animal sources. This necessitates to maintain good health of ruminants by adopting the best health management practices. Fluid therapy is an important component of management for many diseases that affect cattle and small ruminants. Dehydration and hypovolemia can occur due to decreased fluid intake or excessive fluid loss due to diarrhoea, haemorrhage, excessive salivation etc.

This agMOOCs course will enhance the skill and knowledge of the veterinarian across Asia and Africa to save animals and sustain productivity thereby enabling them to institute appropriate treatment protocol for the sick ruminants at field level thereby making the animal productive and enhancing the livelihood and increasing the economy of farmers.

Who should attend this course

- Practicing veterinarians
- Pre-final, final and internee veterinary students
- Veterinarians working in State Animal Husbandry Departments, NGOs, development departments and livestock farms
- Veterinarians working in State Veterinary Universities / State Agricultural Universities / Veterinary Colleges

Course Content

Fluid therapy in ruminants	Anaemia and blood transfusion in ruminants
Rumen and omasal disorders	Abomasal disorders
Traumatic reticuloperitonitis and pericarditis in ruminants	Intestinal Stasis

At the end of the course, the participants(s) will:

- Gain knowledge and skill on clinical aspects of fluid therapy.
- Identify clinical features of anemia and blood transfusion protocol.
- Diagnose and treat important clinical syndrome in cattle and small ruminants.
- Identify the etiology, pathogenesis, clinical signs and management of ruminal and abomasal disorders.
- Identify the etio-pathogenesis, clinical signs, differential diagnosis of traumatic reticulo-peritonitis and pericarditis
- Diagnose and manage of ileus in cattle

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

Fluid Therapy and Management of Clinical Syndrome in Cattle and Small Ruminants

START DATE

March 22, 2022

DURATION

6 Weeks

PREREQUISITES

None

REGISTRATION

Open and free of charge

Course Director

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Instructors (TANUVAS)

Dr. G. Vijayakumar
Dr. P. Selvaraj
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