ANESTRUM
(Anestrum in dairy animals)

Lecture 1
Introduction, definition, prevalence, economic importance and classification

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Objectives

Course content: 5 talks

Course outline:

1: Introduction, Prevalence, Economic importance, etiology and classification

2: False Anestrum: Types and its etiology

3: False Anestrum: Diagnosis and treatment

4: True Anestrum: Etiology and sub classification

5: True Anestrum: Diagnosis, treatment and summary

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❖**Infertility in farmers point of view is expressed by either the animal is <u>not showing</u> <u>signs of estrum</u> nor the <u>animal is cyclic regularly</u> but <u>not getting conceived</u>**

❖**Anestrus is characterized by a failure of estrus.**

❖**Anestrus meaning "without cyclicity"**

❖**Anestrus is observed more commonly either after parturition as postpartum or pre service**

Anestrus is functional disorder of the reproductive cycle which is characterized by absence of overt signs of estrus manifested either due to lack of expression of estrus or failure of its detection

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❖**The prevalence of Anestrum in Tamil Nadu is 16.6 % in cattle**

(Selvaraju et al.,2005)

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❖**Anestrus has great economic impact.**
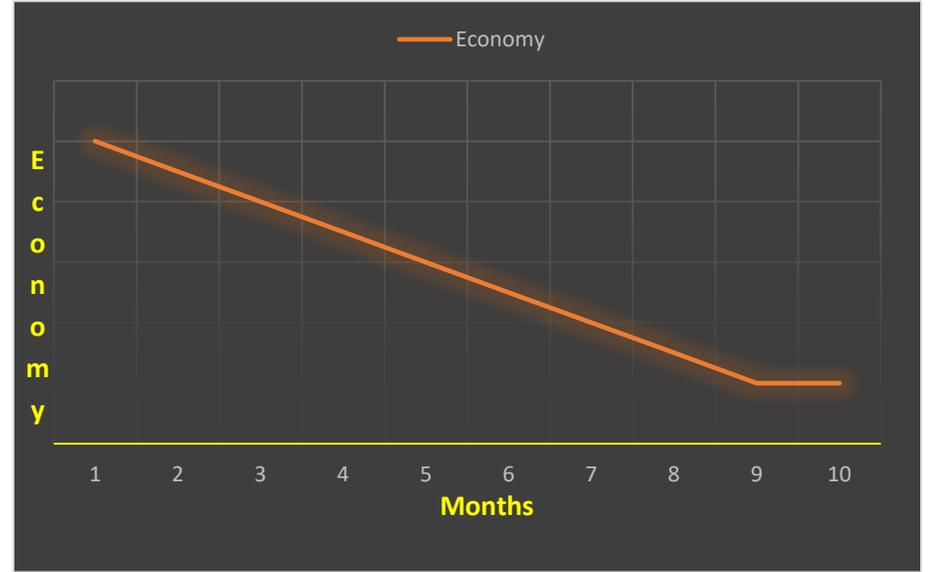
❖**Anestrus, leads to economic losses through increased inter-calving interval, poor net calf crops, production loss, treatment expenses and cost of replacing mature animal with first calving heifer.**

❖**An estimated loss from anestrus around Rs.200.00 per day in purebred cow and Rs 250.00 per day in crossbred cow**

Classification

Broadly in clinical aspect, the anestrum is categorized into two types

1. Class I or False anestrus - with functional CL.

2. Class II or True anestrus - with no functional CL

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- ✓ **Introduction**

- ✓ **Prevalence**

- ✓ **Economic importance**

- ✓ **Classification**

Thank you