



ANESTRUM

(Anestrus in dairy animals)

Lecture 3

False anestrus diagnosis and treatment



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Diagnosis for False Anestrus

- ❖ History
- ❖ Clinical signs
- ❖ Rectal examination
- ❖ Ultrasonography

History

Based on the information viz., failure of displaying the overt signs of estrus by the animals after attaining puberty or 60–90 days postpartum ;

Clinical signs

symptoms of estrus shown with cyclicity which subsequently ceased and revert in to anestrus.

Diagnosis for False Anestrus

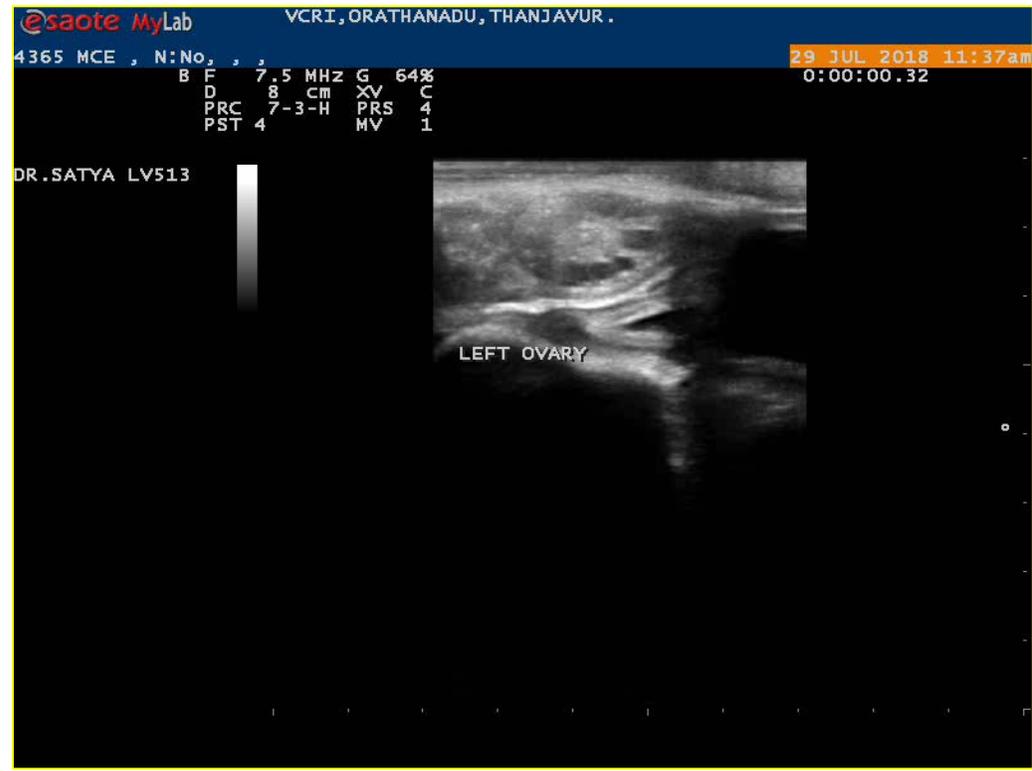
Rectal examination:

1. Reveals a **mature CL** in one of the ovaries and a flaccid uterus
2. A tonic uterus with **regressing CL** and follicle or **developing CL** indicating estrus, proestrus or metestrus.
3. Examination of **postpartum anestrus** cows at 60-90 day

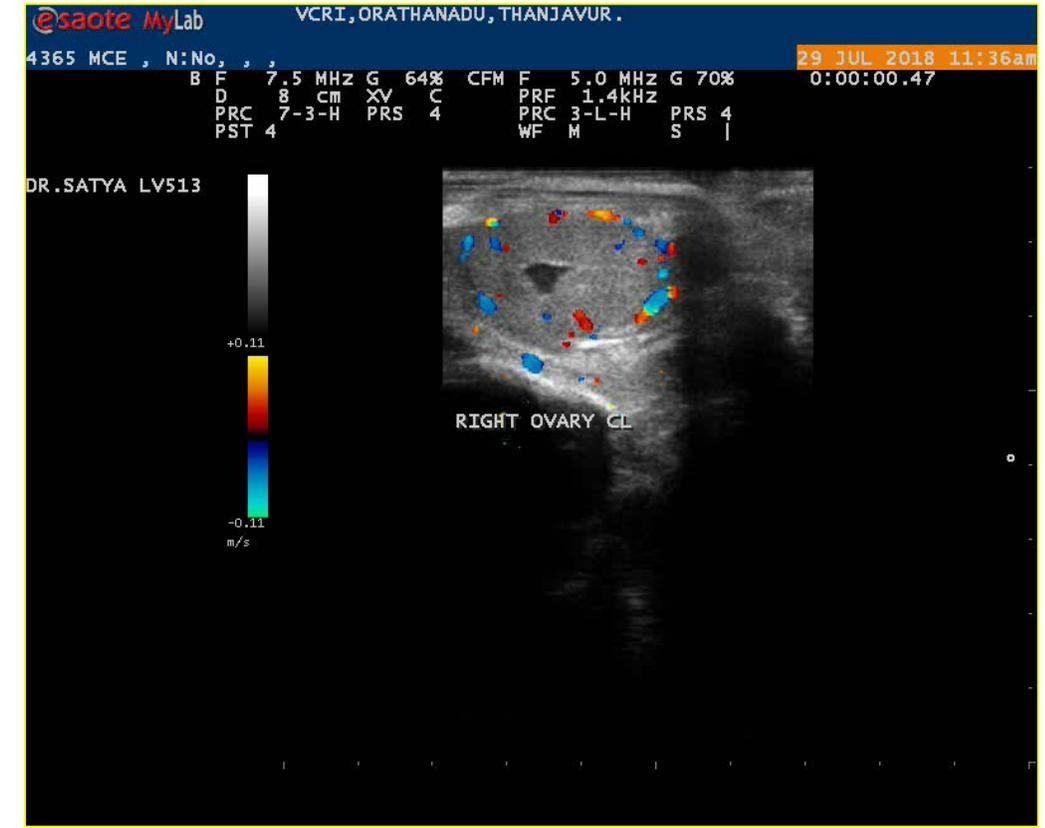


Diagnosis for False Anestrus

Ultrasonography

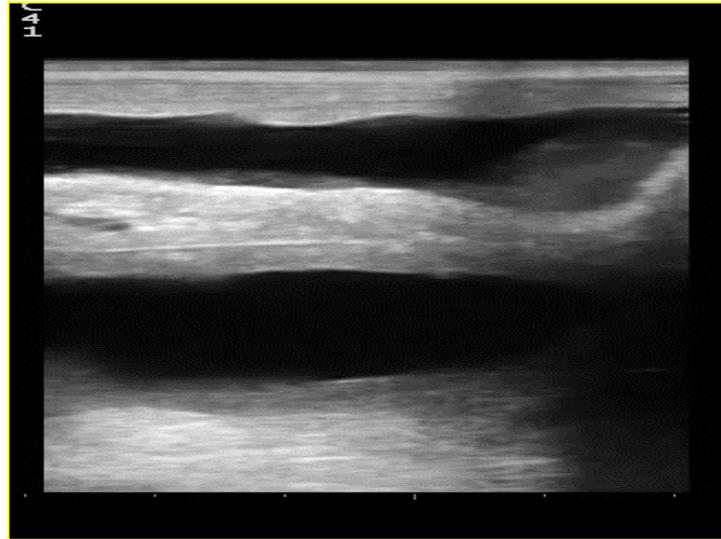


Left Ovary: MSF



Right Ovary: CL – 23.5mm

False Anestrus-Mucometra



@saote MyLab VCRI, ORATHANADU, THANJAVUR .

5421 MUCOMETRA , N:No, , , 10 AUG 2018 09:53am

B	F	7.5	MHZ	G	MAX
D		8	CM	XV	C
PRC		7-3-H		PRS	4
PST		4		MV	1

DR. SATYA LV513

D1	17.1	mm
D2	13.6	mm

RIGHT OVARY

- Education of farmer/herdsman
- Unobserved estrus
- Improving the managerial practice
- Increased regular observation thrice a day for estrus.
- Provision of adequate lighting to improve estrus detection
- Use of estrus detection aids.

- **Use of teaser bulls.**
- **Careful and frequent examination of cows, prediction and confirmation of estrus and breeding.**
- **Specific treatment using prostaglandin or progesterone therapy and fixed time insemination. Highly effective (Refer Chapter 2 on Controlled Breeding)**

Prostaglandin Based Treatment

Prostaglandin (PGF₂α) is the treatment of choice for persistent corpus luteum and sub estrus.

Natural or synthetic analogue of PGF₂α as a single dose has been used with a reasonable degree of success for management of silent estrus in cattle and buffaloes



- ✓ False anestrus
- ✓ Diagnosis by different methods
- ✓ Treatment
 - Non hormonal
 - Hormonal

Thank you