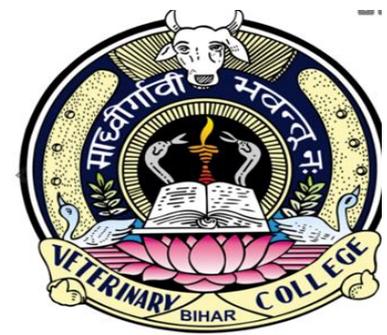




बिहार पशु विज्ञान
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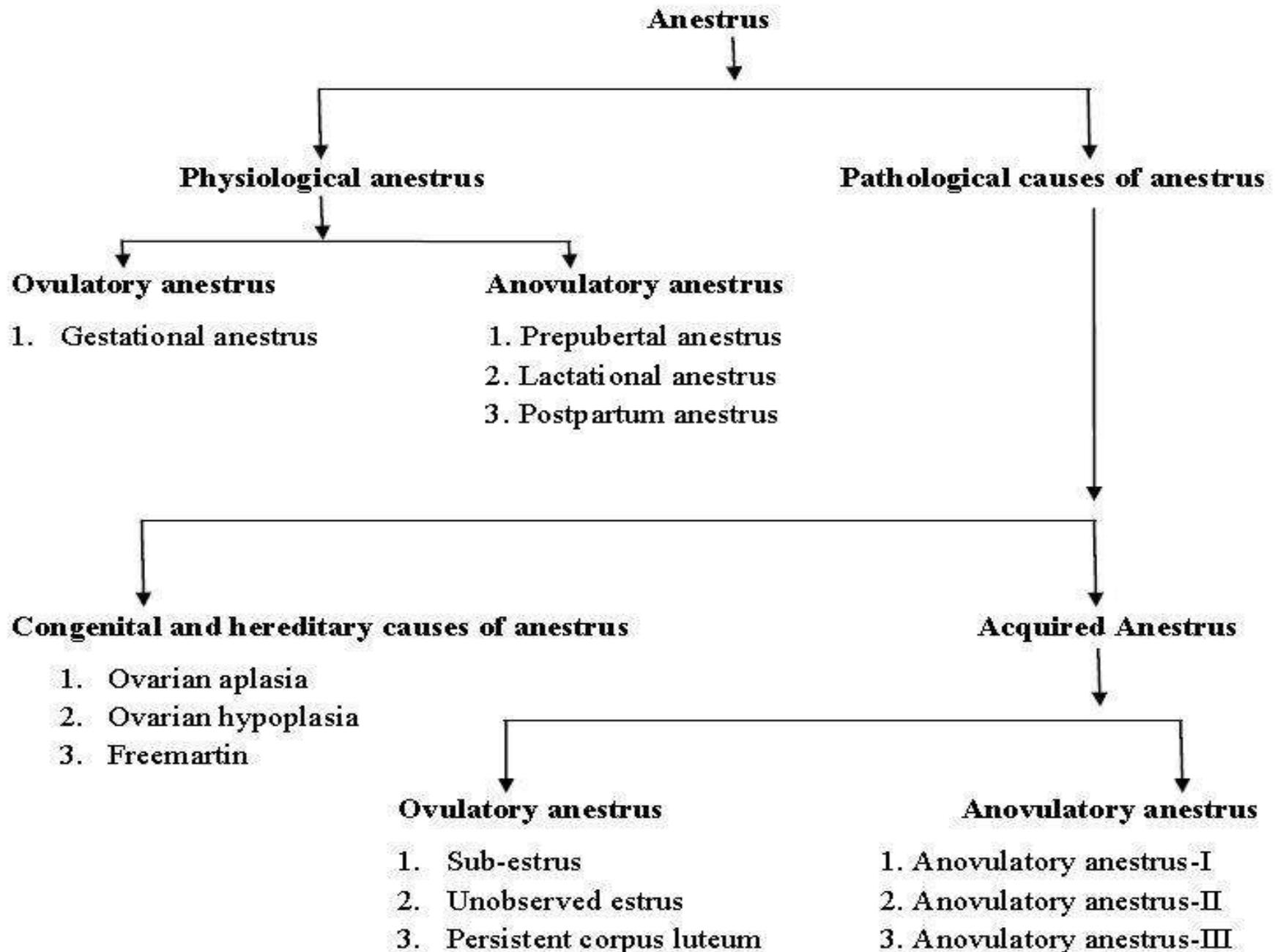
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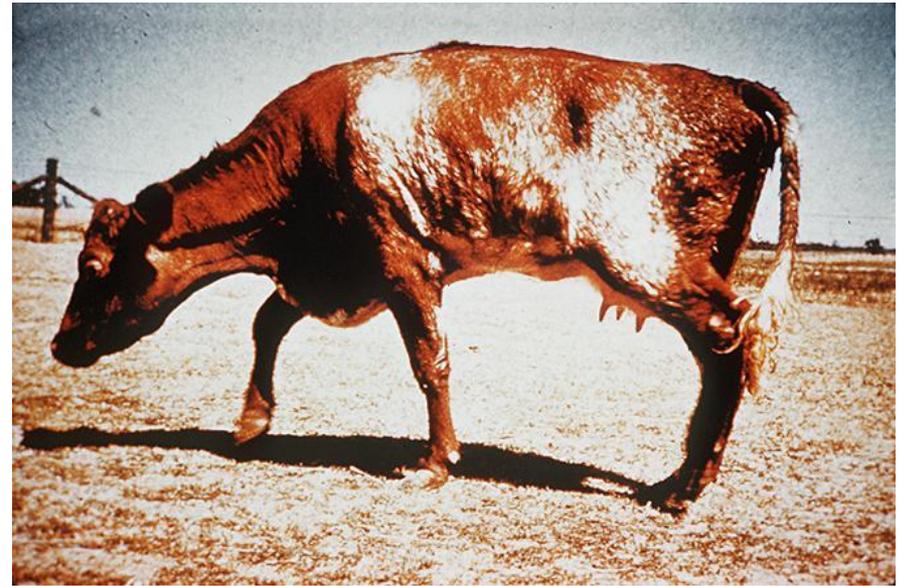
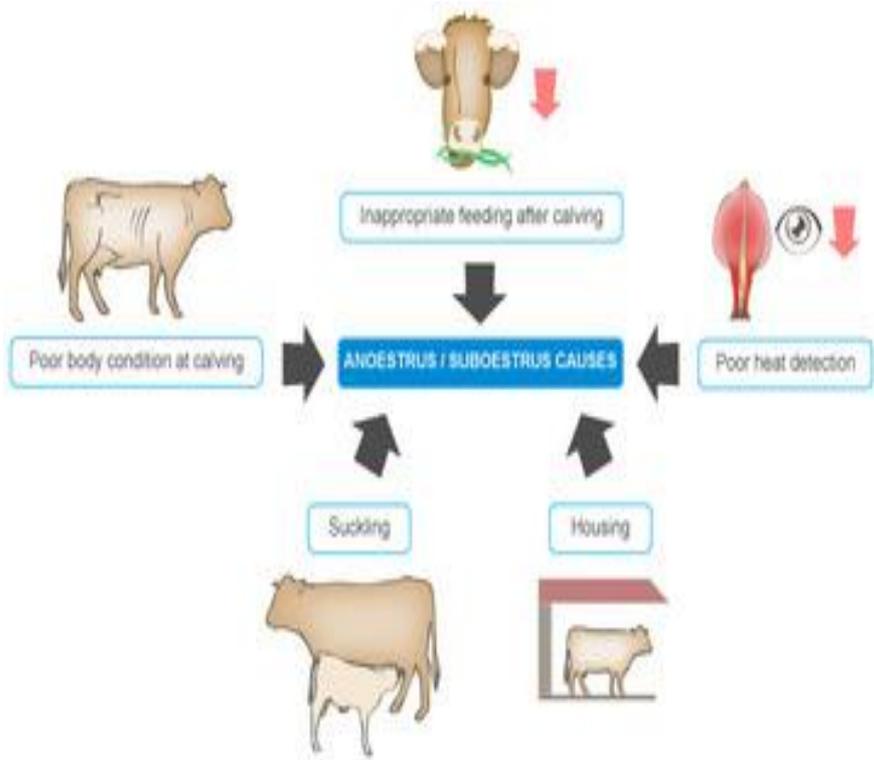


Clinical Examination And Management of Cases of Anoestrus

VCP II, VCP 511 VCP 411 (Practical)
Gynaecology and Obstetrics Section

Dr Ankesh Kumar
Department of Veterinary Clinical complex, BVC, Patna





Nutrient deficient cattle



Hypophosphatemia

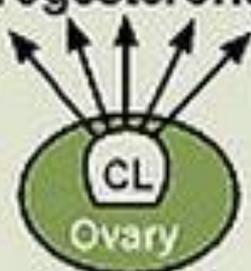
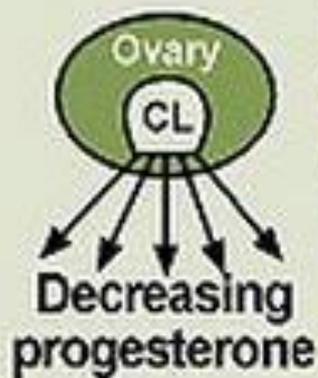
Estrus & Ovulation

Regressing CL

Developing follicle

5 days to form corpus luteum (CL)

Increasing progesterone



Uterus releases prostaglandin

CL active days 6 to 16 secretes progesterone

Failure of anoestrus

To have normal CL

- Due to pregnancy
- PCL
- Silent heat
- Unobserved heat

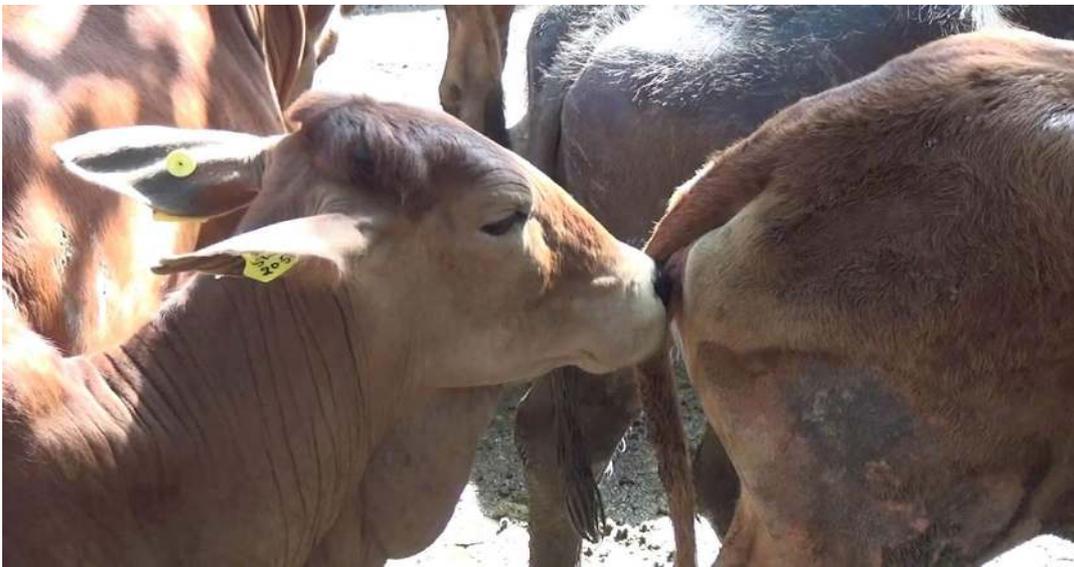
Treatment of a cases

- Improved manage mental Practice
- Frequent genital examination
- Removal Of CL
- Synchronization of the animals

With no CL

True anoestrus

- Due to debility
- Low plane of nutrition
- Senility
- Seasonal influence



Sniffing of genitalia- Heat symptom



Mounting by a cow to other cow- heat symptom

Hind quarter & Tail painting



45

Heat detection in cows

SILENT OESTROUS

A silent heat, or sub estrus, is defined as the lack of behavioral estrus symptoms although the genital organs undergo normal cyclical changes.

The incidence of silent heat varies from 10% to 40% between different herds.

A cow with a silent heat doesn't display any of the obvious signs, like licking or sniffing other cows, mounting, standing to be mounted, or acting nervous and excitable.

Treatment

- Mineral
- Vitamin
- Feed supplement
- Protein
- Fat (omega 3 fatty acid)
- Exercise
- Green fodders
- Hormone
- Concentrate
- Trace mineral supplementation
- Corticosteroid (PGF2alpha)



Provision of Salt for salt deficient cows

Management

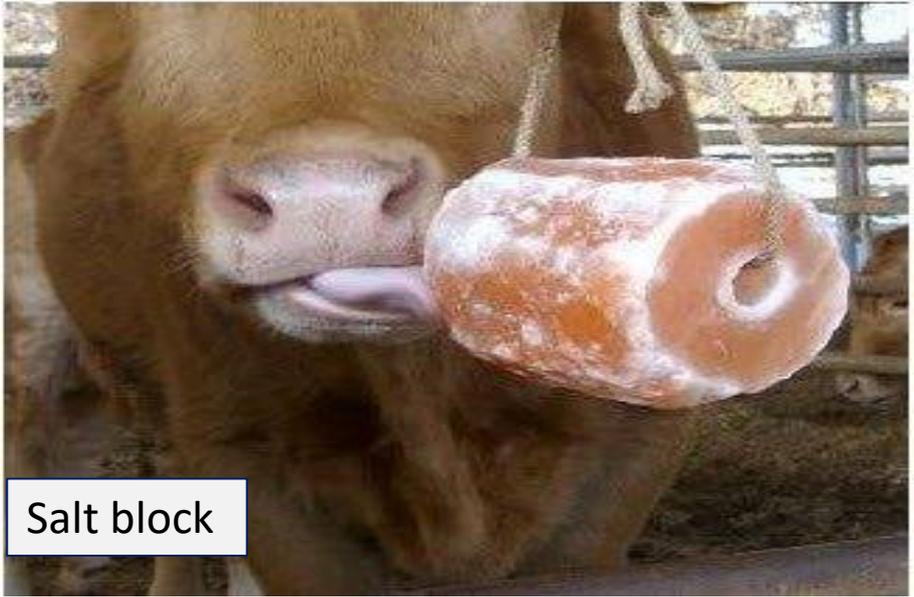
- Improved management Practice
- Frequent genital examination
- Removal Of CL
- Synchronization of the animals

True anoestrus

- Treatment of Chronic debility/wasting diseases
- Correction of Feeding
- Correction in Mineral deficiency
- Correction of digestive systems
- Correction of appetite
- Deworming
- External Parasite
- Vitamin
- Protein



Salt block



Salt block



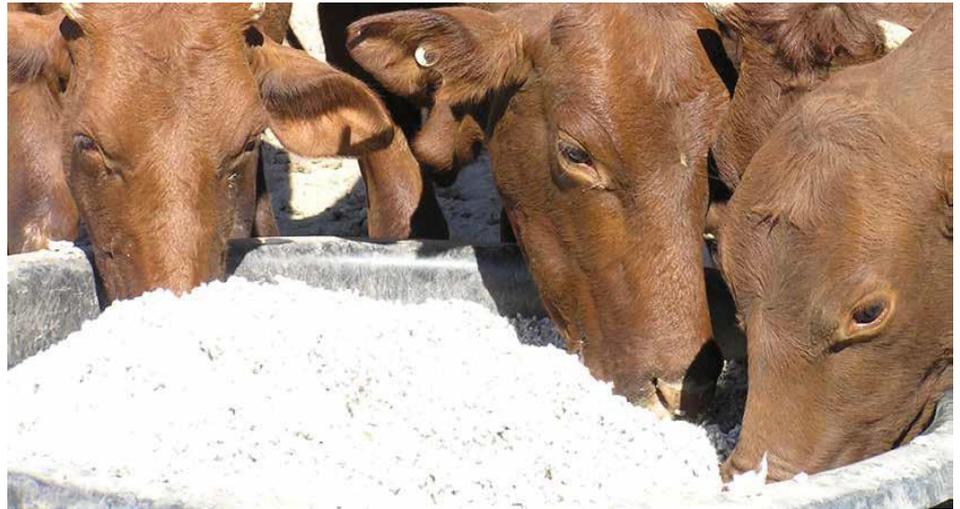
Salt block



Vit. A Deficient



Copper deficient



Mineral deficient

World J. Zool., 4 (1): 01-08, 2009



Copper deficient

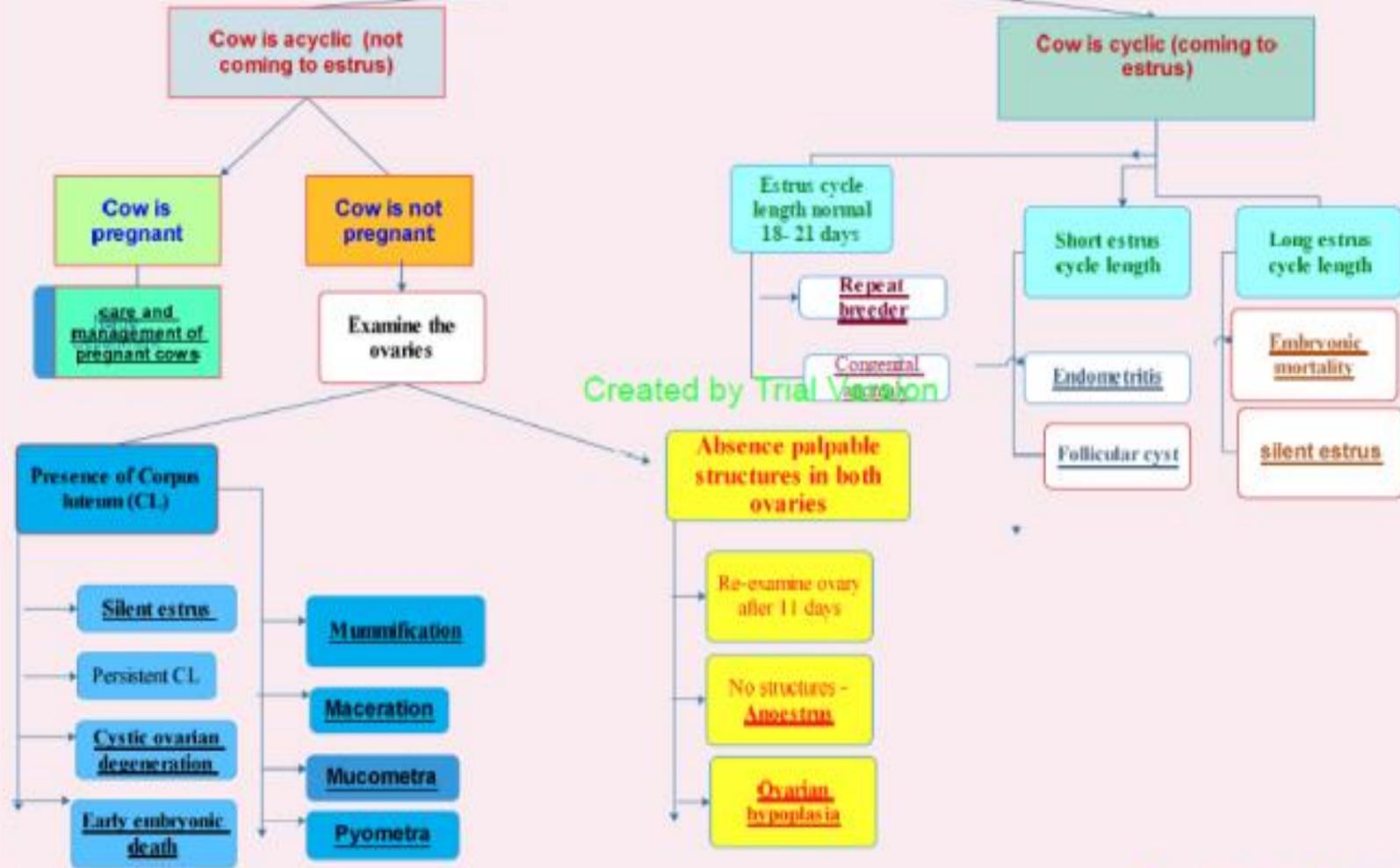




Green Fodder

Created by Trial Version

REPRODUCTIVE MANAGEMENT IN DAIRY COWS



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Ovsynch

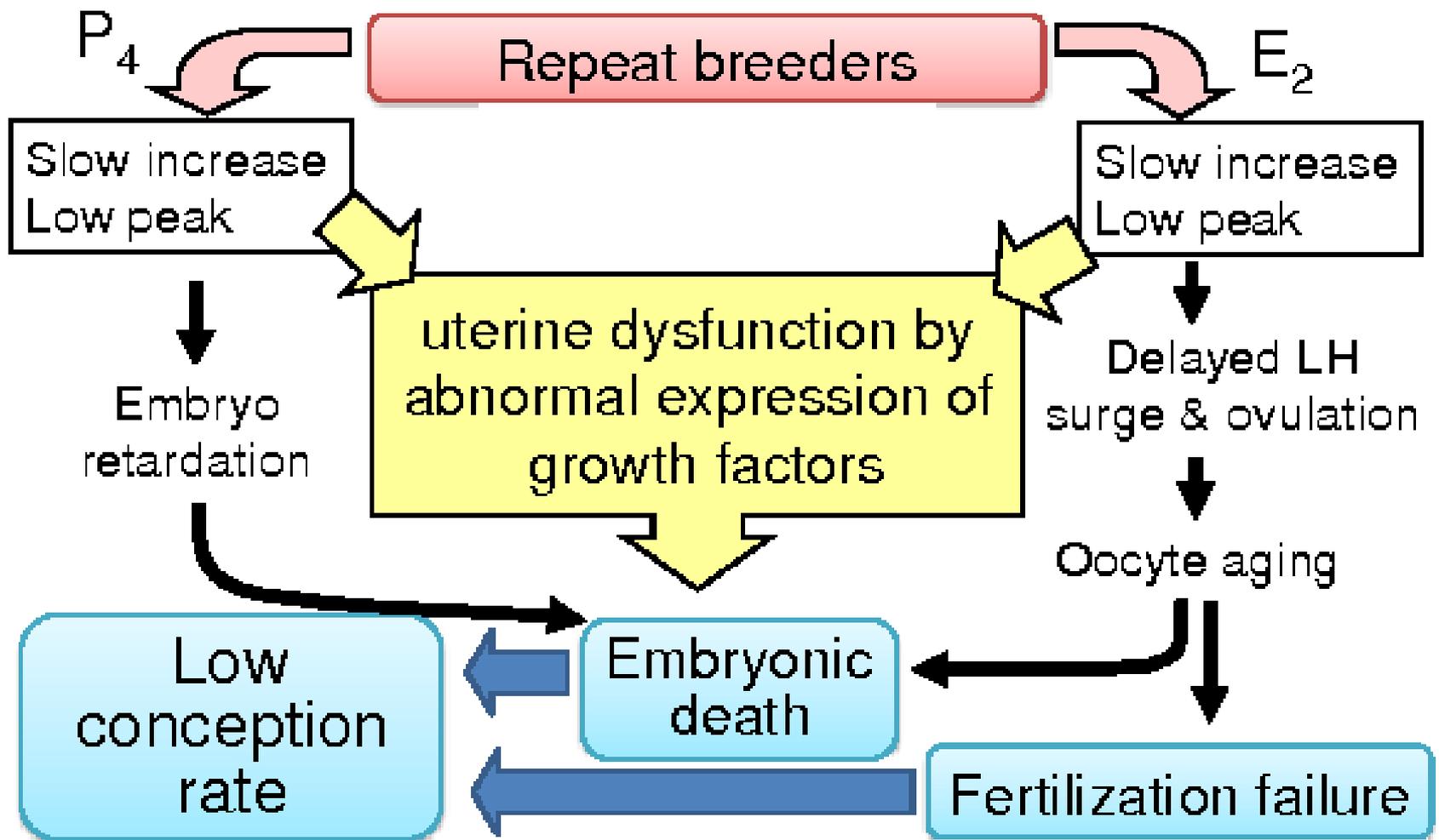
Pursley, Mee, & Wiltbank, 1995
Theriogenology 44:915

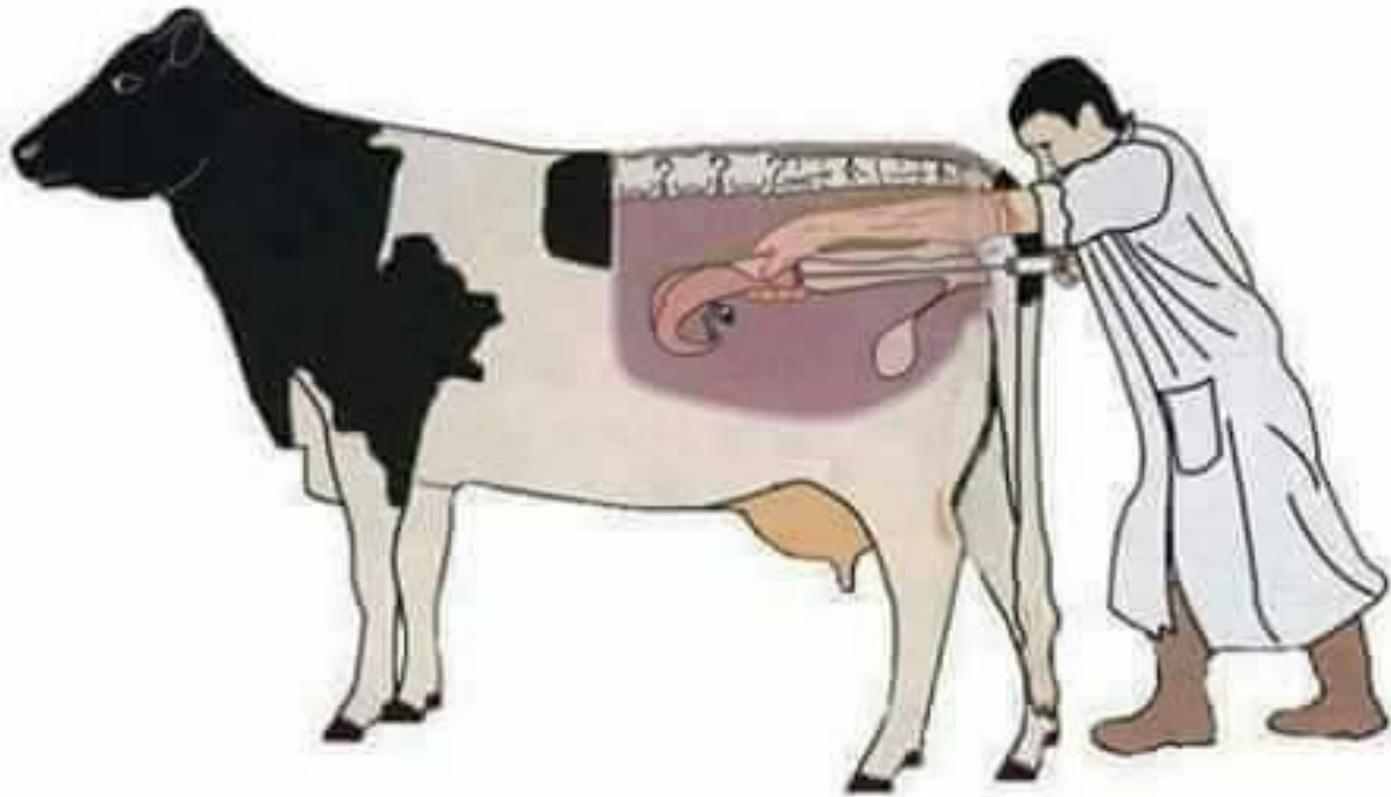


AI at the
occurrence
of estrus

GnRH injection within 30
sec of insemination

Day 0





AI by Vets

Thanks to all