

FETAL MACERATION



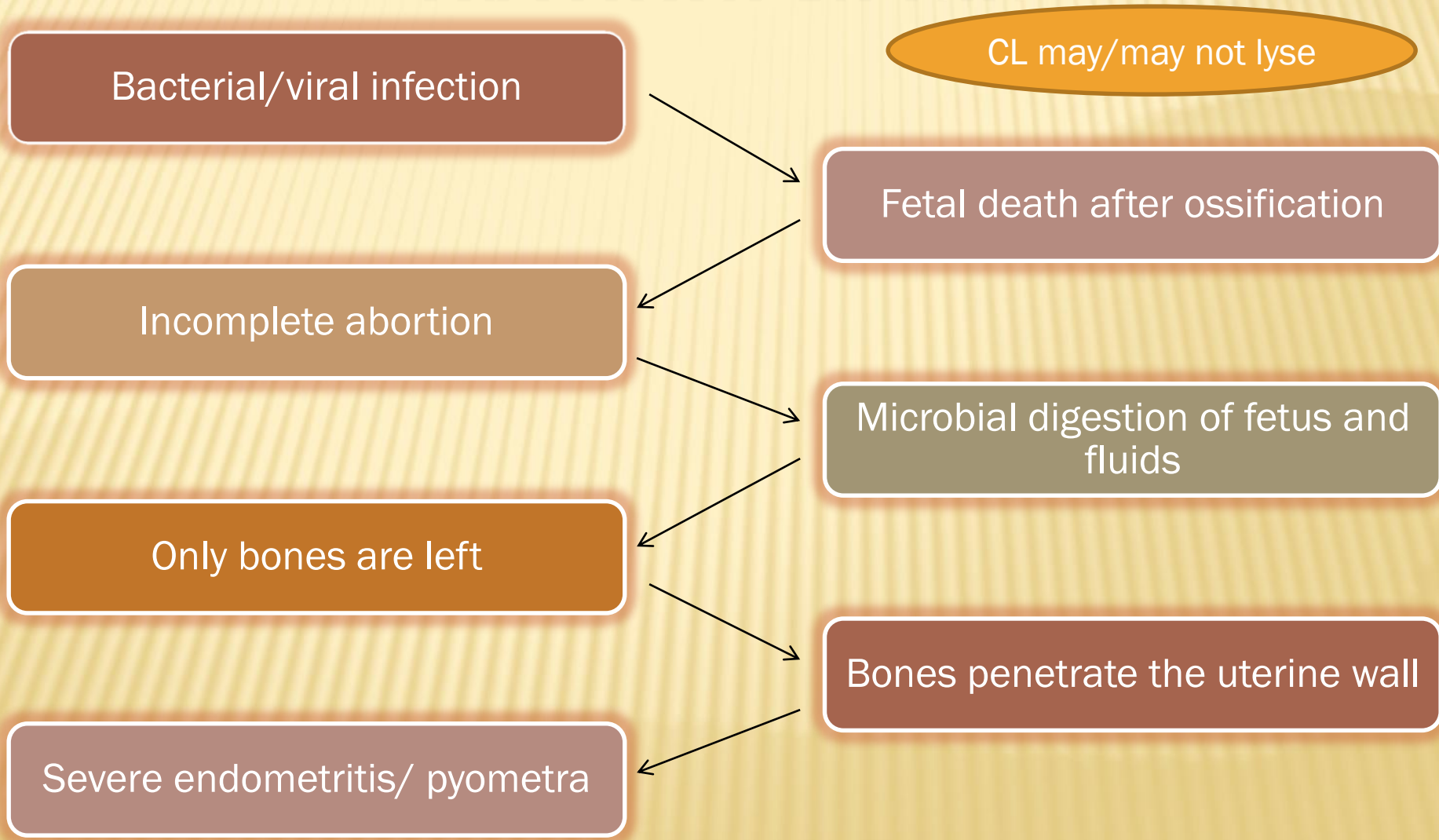
Dr Bhavna

Assistant Professor cum Junior Scientist
Deptt. of Veterinary Gynaecology and Obstetrics
Bihar Veterinary College, BASU, Patna



“The process in which a fetus dies after ossification within the uterus and undergoes microbial digestion or putrefaction in the uterus till only the mass of bones remains”

PATHOGENESIS



CLINICAL SIGNS

- ✓ **Intermittent straining** accompanied by foul, fetid, **reddish-grey vulvar discharge**.
- ✓ Elevated pulse and temperature.
- ✓ Anorexia
- ✓ Drop in milk production

DIAGNOSIS

Per rectal examination

- ✓ **Metallic sound/gritty feeling** due to sliding of bones on each other
- ✓ **No fremitus** in middle uterine artery.

Long standing cases

- ✗ No straining
- ✗ Contracted cervix

TREATMENT

- ✓ **Manual removal** when cervix is open.
- ✓ Inj. Epidosin vet (Valethamate Bromide) – 5 ml i/m.
- ✓ PGF_{2α} or Estrogen for cervical dilatation.
- ✗ **Oxytocin should never be given.**
- ✓ High doses of antibiotics should be given both parentally as well as intrauterine for 4-5 days.
- ✓ 4-8 boluses of terramycin dissolved in 30-40 ml of sterile water.
- ✓ Lixen IU – 4.5 gm in 60 ml sterile water.

SUPPORTIVE THERAPY

- ✓ Vitamin A injection
- ✓ Tonophosphan @ 10 ml I/M alternate days x 3
- ✓ Vitamin B-complex with liver extract
- ✓ Fluid therapy – Rintose @ 1 L I/V daily x 3 days

DIFFERENCE BETWEEN MUMMIFICATION AND MACERATION

Mummification	Maceration
CL present	CL generally absent
No invasion of putrefying bacteria	Invasion of putrefying bacteria
Cervix closed	Cervix remains dilated
No vaginal discharge	Foul, fetid, reddish-grey discharge
No straining	Straining present
Temperature and pulse normal	Temperature and pulse elevated
Appetite normal	Anorexia
No drop in milk production	Drop in milk production
P/r exam. reveals uterus shriveled over fetus	Metallic sound/gritty feeling

PROGNOSIS

- ✘ Future fertility is very questionable.
- ✘ Longer the condition exists, greater is the damage to endometrium.

Thank
YOU

