



Unit : Traumatic Reticulo Peritonitis and Pericarditis
Lesson : 3

What are the signs?

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Introduction

- Signs often vague & easily overlooked
- Depends on size, shape and location of penetration
- Attention given to spontaneous grunting and bruxism cattle
- Most common cause for cranial abdominal pain

Acute Peritonitis

- Signs within 24 hours of penetration
- Sudden and complete anorexia
- Milk drop of > 50 % in 24 hrs
- Pyrexia (39.5 to 40°C), firmer feces
- Subacute abdominal pain - 'tucked-up' abdomen
- Reduced or absent rumination

Tucked up Abdomen



Firmer & pelleted dung



Kicking Abdomen due to Pain



Cont...

- Moderate abdominal fill and mild ruminal tympany
- Grunting, reluctant to move
- Remain standing for long periods
- Signs most obvious on the first day
- Uncomplicated Cases may resolve within 3 to 5 days

Chronic Local Peritonitis

- Loss of body condition, slow and careful gait
- Arched back, tense abdomen, smaller rumen
- Chronic moderate bloat, reduced faecal quantity with an increase in undigested particles
- Grunting may occur
- Reticular abscesses leads poor body condition
- Feces covered by a thin coating of mucus

Reticular abscess in a cow



Diffuse Peritonitis

- Abdominal enlargement despite anorexia
- Absent or limited rumen movement
- Dehydration & Scant faeces
- Heart rate >120 bpm
- Pain on deep rectal palpation
- Marked mental depression
- Toxaemia and shock
- Recumbency & death

Black Tarry Feces due to Toxemia



**Thick, sludge-like, tenacious dung
-difficult to remove from glove**



Long stasis of ingesta due to Paralytic ileus



Cardiac Signs

- Tachycardia ranged 100 to 130 bpm
- Oedema in the submandibular, brisket and ventral region
- Positive venous pulse and bilateral distension of the jugular veins
- Diarrhea and scanty stools
- Arched back & abducted elbows
- Grapelike edematous conjunctiva

Jugular Vein Engorgement



Brisket Edema & Abducted Limbs



Brisket & Ventral Edema



Cont...

- Pyrexia (40°C–41°C) in early stages
- Pericardial friction rub
- Heart sounds are muffled - gurgling, splashing, or tinkling sounds
- Recovered animals
 - **Poor body condition**
 - **Animals remain unthrifty**
 - **Unlikely to withstand the stress of another pregnancy or lactation**



*Thank
you*