



Unit : Abomasal ulcers and displacement  
Lesson : 5

# Abomasal bloat & impaction

**Dr.E.Venkatesakumar, Ph.D.,**

Assistant Professor and Head,  
Department of Veterinary Clinical Medicine,  
Veterinary College and Research Institute,  
Namakkal-637002. Tamil Nadu, India.

# Etiology

- Exact etiology – not known
- *Clostridium perfringens* type A, *Lactobacillus* spp, *Sarcina* sp, *Salmonella* spp.
- Common in nursing calves and lambs with milk replacer diet
- Warm or cold milk replacers – ad libidum intake
- Administration of high glucose solution

# Pathogenesis

Distended abomasum



Compress the thoracic and abdominal viscera & blood vessels



Asphyxia and acute circulatory failure



Loss of venous return



shock

# Clinical signs

- **Acute bloat**
- **Anorexia**
- **Depression**
- **Diarrhoea**
- **Colic signs**
- **Abdominal ping**
- **Cold extremities**
- **Tachycardia**

# Treatment

- **Colloids, crystalloids, systemic antibiotics**
- **Passage of stomach tube – large volume of fetid fluid retrieved**
- **Laparotomy of non responding cases to empty abomasum**
- **Proper handling of milk and milk replacers**

# Abomasal impaction

## Primary

- Fibrous feed and pica (sand, nut shells or rocks)
- Lack of water intake

## Secondary

- Pyloric outflow obstruction
- Adhesion
- Pyloric masses
- Lymphosarcoma
- TRP & peritonitis associated abomasal ulcers
- Vagus nerve damage

# Clinical signs

- **Not specific**
- **Progressive abdominal distension**
- **Intermittent appetite**
- **Reduced dung – loose or watery**
- **Weight loss**
- **Decreased milk production**
- **Rectal examination – enlargement of rumen (dorsal & ventral sac of rumen)**
- **Bruxism**
- **Pain on deep palpation of mid abdomen**
- **Vitals – normal**
- **Bradycardia – secondary to vagus nerve irritation**
- **Metabolic alkalosis**

# Diagnosis

- **Right side exploratory laparotomy or rumenotomy**



# Treatment

- **Passage of stomach tube through reticulo omasal orifice into abomasum & Infuse mineral oil or dioctyl sodium succinate**
- **Laxatives**
- **Ruminotorics**
- **Coffee 1 lb given to rumen**



*Thank  
you*