



# ETIOLOGY

### I. Primary causes

- 1. The feeding of high levels of grain in feedlot cattle. 2. Long Transportation. 3. Prolonged Surgical Procedures.
- II. Secondary causes
- 1. Left and Right-side abomasal displacements. 2. Abomasal impaction. 3. Abomasal volvulus. 4. Vagus indigestion. 5. Lymphomatosis.

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# CLINICAL SIGNS

- In the common clinical form of bleeding abomasal ulcers, there are a sudden onset of anorexia, mild abdominal pain, tachycardia, severely depressed milk production and melena.
- The important clinical findings of hemorrhagic abomasal ulcers in cattle are abdominal pain, melena and pale mucous membranes.
- Melena is the almost pathognomonic sign of acute bleeding ulcer of abomasum.
- D. D. 🗌 Haematemesis 🗌 Abomasal Torsion 🗌 Intestinal Obstruction 🗌 Acute and Chronic Diffuse Peritonitis































### Diagnosis

- Clinical signs •
- History: drugs, chemical materials, etc....
- Radiology: chronic cases: thickening of the stomach wall
- Gastroscopy
- Histopathology
- Response to treatment/removing the cause •
- Determination of the causative agent might be very difficult









- 1. <u>Diffuse and Focal Hepatic diseases</u> :- The diffuse diseases of liver are commonly accompanied by signs of insufficiency than focal diseases that produce their effects either by toxins formed in the lesions or by pressure on other organs such as the biliary system. The diffuse diseases can be classified as hepatitis and hepatosis. Clinically the differences between these two diseases are not marked, although some assistance can be obtained from clinicopathological examination
- 2. <u>Hepatic Dysfunction</u>: The liver has several important functions, so any diffuse disease for it will interfere with most or all functions to the same degree and the variations occur in the acuteness and severity of the damage but the effects are the same and the clinical manifestations vary in degree only.





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	Classification of Jaundice
	Jaundice
	Jaundice without impairment of bile flow
Over	rproduction jaundice (Hemolytic) Jaundice due to hepatic cell degeneration (Hemolytic) Jaundice due to bile stasis (Cholestasis)
	(Introduction primary cholestagic) Extrahenatic biliary obstruction
	(Cholelithiasis)
	Mechanical Functional (Constitution of late of the state
	(Congenital aplasia of ducts, inbrosis of nepatins)

# Hemolytic Jaundice

- It's common in animals & may associate with bacterial toxins, invasion of erythrocytes by protozoa, rickettsia or viruses, inorganic and organic poisons and immunological reactions:
- Bacterial toxins that cause intravascular hemolysis include bacillary hemoglobinuria and leptospirosis.
- The common protozoan & viral diseases include babesiosis, anaplasmosis, and equine infectious anemia.
- Other common causes are chronic copper poisoning, selenium poisoning in sheep, phenothiazine poisoning in horses, pasturing on rape & other cruciferous plants and bites by some snakes.
- Postparturient hemoglobinuria has uncertain etiology but is usually attributed to a deficiency
  of phosphorus in diet and feeding of cruciferous plants.







## Hepatitis

#### • I. Toxic Hepatitis

- 1. Inorganic poisons (copper, phosphorus, arsenic, possibly selenium). 2. Organic poisons (carbon tetrachloride, hexachloroethane, Gossypol, creosols & coal tar pitch, chloroform & copper diethylamine quinoline sulfonate. 3. Poisonous plants.
   4. Miscellaneous farm chemicals.
- II. Infectious Hepatitis
- 1. Rift valley fever. 2. Bacillus piliformis, associated with Tyzzer's disease in foals. 3. Viral rhinopneumonitis as a cause of abortion in horses. 4. Postvaccinal hepatitis of horses such as tetanus antitoxin.







