



Bovine Postparturient Haemoglobinuria

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Unit : Bovine Postparturient Haemoglobinuria

Lesson : 1

Defenition, Etiology and Epidemiology

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Bovine Post Partum Hemoglobinuria

- **Non infectious hemolytic syndrome of adult cattle and buffaloes.**
- **Characterized by intra-vascular hemolysis, hemoglobinuria, severe anemia and death (anemic anoxia)**
- **Phosphorus deficiency in high yielding animals during early stage of lactation is widely believed to associated with this condition (Hypophosphatemia)**

Etiology and Epidemiology

- **Higher incidence during winter.**
- **Risk factor – ingestion of cruciferous plants (Cabbage, Cauliflower, onion and Radish)**
- **Cruciferous plants or beet pulp are in low phosphorus**

Bovine Post Partum Hemoglobinuria

- **Copper deficiency**
- **Low copper status appears to be related to the application of molybdenum and lime**
- **Phosphorus deficient soils and drought conditions are predisposing causes**
- **Ingestion of cold water or exposure to extremely cold weather may precipitate an episode of haemoglobinuria**



Thank you