

## **Inflammatory Bowl Disease in a Ferret**

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**Introduction:** Inflammatory bowl disease is a one of the most common cause of chronic diarrhea or vomiting in a ferret. And Ferret has high susceptibility about hepatic lipidosis (HL) when he goes hungry more than 24 hours.

**Materials and methods:** A fifteen-month-old neutered male ferret was referred due to acute diarrhea and severe anorexia. The ferret was leaved alone in the cold room during three days. On physical examination, the ferret showed severe dehydration, hypothermia and dyspnea.

On the blood profile, mild anemia and severe thrombocytopenia showed. And markedly increased liver enzyme and severe hypoproteinemia were noted, but albumin / protein ratio was within the normal range. On the fecal examination, markedly increased bacterias including hair-pin shaped bacterias were detected. The ferret was treated fluid therapy and antibiotics for the dehydration and increased intestinal bacterias.

**Result:** The ferret died after 54 hours. Histopathologically, the ferret was diagnosed inflammatory bowl disease complicated with hepatic lipidosis.

**Clinical relevance:** Early diagnosis and early treatment were needed to this patient. And silver stain, Warthin-starry stain, or PAS stain was needed to rule out *Helicobacter mustalidae* and *Lausonia intracellularis*.

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