

Small Animal Internal Medicine

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Chief Complaint

Roxie is a 1 year old spayed female Tibetan Mastif with a chief complaint of bloody diarrhea, vomiting, severe lethargy.

Roxie



History

- Acute vomiting 6 times today.
- Complete anorexia
- Very depressed and lethargic
- Bloody diarrhea
- Vaccinations for Distemper, Hepatitis, Parvovirus and Rabies were given as a puppy.. 3 vaccinations 1 month apart starting at 8 weeks.

Physical Examination

- Very lethargic
- Temperature 37 degrees C
- Prolonged CRT > 2 seconds
- Dehydrated 10 %
- Heart rate 110 bpm
- Respiratory rate 15 per minute
- Weak pulse
- Painful posterior abdominal on palpation

Problem List

- Vomiting
- Bloody diarrhea
- Dehydration
- Increased CRT
- Painful abdomen
- Weak pulse
- Lethargic

Rule Outs

- List all the Possible Diagnoses
- This list is your Rule Out list

Rule Outs

- Parvovirus
- Bacterial enteritis Salmonella or Campylobacter
- Intestinal obstruction
- Intussusception
- Hypoadrenocorticism
- Pancreatitis
- Hemorrhagic Gastroenteritis

The Plan

• What is your PLAN?

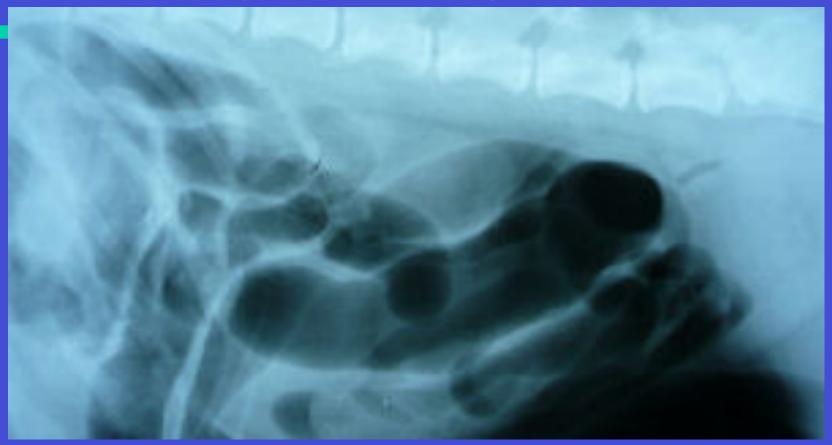
Plan

- CBC/Blood chemistry//Urinalysis
- Fecal check for parasites
- ELISA for parvovirus
- Radiograph abdomen right lateral and V/D
- cPL Snap Test pancreatitis

Radiographs

- Right lateral abdominal view
- Ventral dorsal abdominal view

Radiograph – Right lateral



Radiograph Evaluation

• List all the abnormal radiographic signs that you see on the previous radiographs

Radiographic Lesions

• Fluid and gas filled small and large intestines

Laboratory findings

- RBC $-5.0 \times 103 (5.5-11.0)$
- PCV 65 (37-55)
- WBC $-20 \times 10^3 \text{ mm } 3 (7-17)$
- Neutrophils 15 x 10 3 (3.2 10.8)
- Lymphocytes .25 x10 3(.54-3.44)
- BUN -50 mg/dl (16-36). SCr. -2.0 mg/dl (0.8-2.4)
- +++ Acarids (roundworms)
- USG 1.035 (> 1.035)
- Fecal check negative
- ELISA for parvovirus negative
- cPL Snap Test pancreatitis negative

Interpret the laboratory findings

- RBC $5.0 \times 103 (5.5-11.0)$ mild anemia
- PCV 65 (37-55) severe dehydration
- WBC $-20 \times 103 \text{ mm } 3 (7-17) \text{leukocytosis}$
- Neutrophils $15 \times 103 (3.2 10.8)$ stress leukogram
- Lymphocytes .25 x10 3(.54-3.44) stress leukogram
- BUN 50 mg/dl (16-36) pre-renal azotemia
- Roundworm overload
- Fecal check negative rules out Hookworm etc.
- ELISA for parvovirus negative likely rules out parvovirus
- Note: Parvovirus test only accurate for the first 3 days.

Likely (possible) or unlikely diagnosis – give reasons

- Parvovirus unlikely negative ELISA test
- Bacterial enteritis possible Salmonella
- Intestinal obstruction likely gas filled loops of bowel
- Intussusception –possible gas filled loops of bowel. Hypoadrenocorticism - unlikely Na and K are normal
- Pancreatitis cPL Snap Test pancreatitis negative

What is your Diagnosis?

- What disease do you suspect?
- What is your diagnosis give reasons
- . Intestinal blockage: foreign body or intusussception.

Treatment Plan

- IV fluids shock rate to decrease PCV to 50 or less
- Ampicillin (parenteral)— for secondary bacteria like Clostridium
- Surgical exploration: laparotomy.
- Correct the intusussception

Prognosis

• Prognosis is good with surgical correction.

The End





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