

Gastroenterology

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Case #2

Chief Complaint

"Spike" is a 7 year old spayed female Poodle with a history of acute vomiting, anorexia and lethargy

Spike



History

- Started Vomiting (6 times) this morning
- Complete Anorexia
- Severe Lethargy
- Up to Date on all Vaccinations

Physical Examination

- 10 % dehydration
- Temperature 39 degrees C
- Tachycardia HR 180 BPM
- Tachypnea 40 breaths per minute
- Weak pulse
- Pale mucous membranes
- Capillary refill time > 2 seconds

Problem List

- Vomiting
- Mild fever
- Dehydration
- Increased CRT
- Tachycardia
- Pale mucous membranes
- Weak pulse

Rule Outs

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

Rule Outs

- Acute Pancreatitis
- Foreign Body Obstruction
- Hypoadrenocorticism
- Pyometria
- Cholangiohepatitis

The Plan

• What is your PLAN ?

Plan

- CBC/Chemistry/ Urinalysis
- Abdominal radiographs
- Abdominal Ultrasound

CBC/Chemistry/Urinalysis

- PCV 60 (37-55)
- WBC- 22 x10 3 (6-17) Bands -3x 10 3 (0-.3)
- ALP, ALT mild increase
- BUN 35 mg/dl (10-26)
- Hyperglycemia 175 mg/dl (70-140)
- Increase Serum Amylase and Lipase

Assessment of the Lab Findings

- Increase PCV dehydration
- Overwhelming inflammation/infection:
 Leukocytosis, and increased Band cells
- Increase BUN prerenal azotemia
- Increase Lipase/Aymlase:

 possibly Pancreatitis but not necessarily

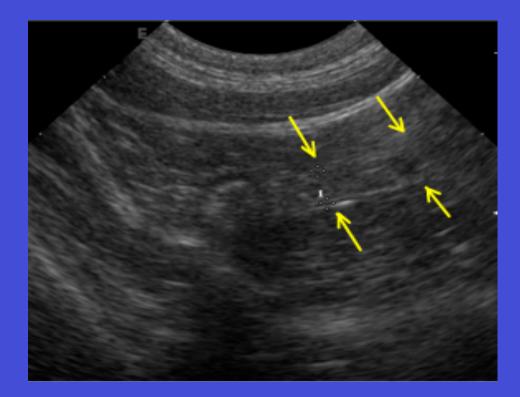
Radiographs – right lateral – normal or abnormal ?



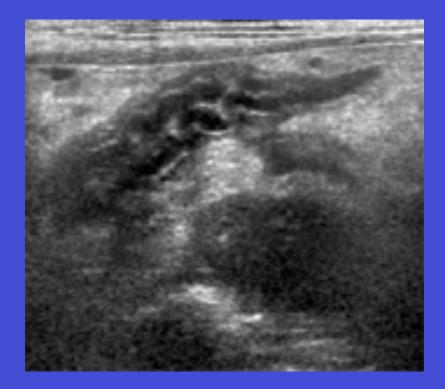
Radiographs – right lateral

• Normal radiograph - no visible lesions

Ultrasound – Normal Slender Pancreas



Ultrasound – What do you see?



Ultrasound

 Ultrasound image of a dog with pancreatitis. The duodenum is irregular (corrugated). The inflamed, hypoechoic pancreas (P) is located dorsal to the duodenum, and is surrounded by hyperechoic fat.

Rule Outs - likely or unlikely

- Acute Pancreatitis likely amylase and lipase are increased
- Foreign Body Obstruction unlikely none on xray
- Hypoadrenocorticism unlikely Na and K are normal
- Pyometria unlikely wbc are not high enough
- Cholangiohepatitis unlikely liver enzymes are normal

What test would you do to confirm Pancreatitis?

cPL Snap Test (canine pancreatic lipase test)

cPL Snap Test – Positive test (both the control and sample turn blue)





• Acute Pancreatitis

- Consistent with clinical signs
- Ultrasound consistent with pancreatitis
- Positive cPL
- High Amylase and Lipase

Treatment

- Aggressive IV Fluid Therapy LRS
- KCL (20 mEq/L) not faster than 0.5 mEq/kg/hr
- Antiemetics (Cerenia 1 mg/kg once daily SC)
- NPO if vomiting persists
- Low fat/Moderate protein diet when vomiting stops
- Antibiotics if sepsis is evident (Enrofloxacin (5-20mg/kg IV q 12 hr.
- Analgesics (Buprenorphine (0.005 -.01 mg/kg IM, IV SC
- q 6-12 hr.

Enrofloxacin



Cerenia injectable



Cerenia Tablets

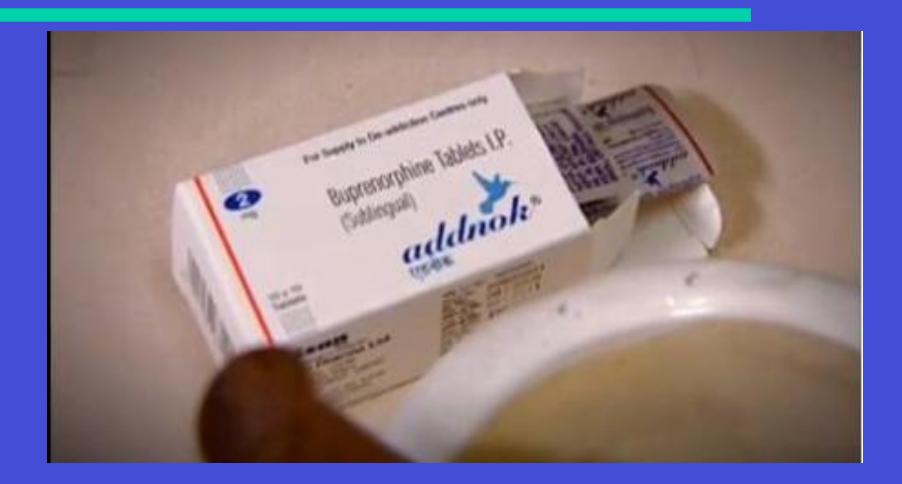
Cerenia

24 mg Tablets for Dogs

24 mg/tablet MAROPITANT as MAROPITANT CITRATE For the prevention of nausea and acute vomiting in dogs and puppies 8 weeks of age or older and the prevention of vomiting due to motion sickness in dogs 16 weeks of age or older.

wananinhousepharmazoetis

Buprenorphine





• Guarded

Pancreatitis Download

 http://download.skyscape.com/download/ ota/5mvetcf5/documents/pdf/ pancreatitis.pdf



The End







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