



**PATIENT**

Scooby Rivera

**SPECIES**

Canine

**BREED**

Mix

**SEX**

Neutered Male

**AGE**

12 Months

**WEIGHT**

22.6 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. G. Ferrer, DVM

**HOSPITAL NAME**

Paseos VC

**REFERRING VET**

Dr. J. Cruz, DVM

**INVOICE**

14432

**DATE**

3/21/22

**PRESENTING CLINICAL SIGNS**

History: Presented as a referral for an abdominal ultrasound to evaluate vomiting. Pt presented to referring veterinarian for evaluation of acute onset of vomiting that started 3-20-22. Pt vomited over 7 times. Pt may have got into something and wanted to further evaluate. Pt was hospitalized and was placed on IV fluids, famotidine, sulcrafate, metronidazole, panacur and injection of convenia.

Abnormal PE/Chem/CBC/UA Results: PE: Abd palpation: noticed something hard in mid abdomen. Diagnostics: Fecal: Hookworms

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex. The capsules were acceptably uniform without significant irregularities. Slight pyelectasia was noted in the right kidney. The right kidney measured 4.71 cm. The left kidney measured 4.77 cm.

**Adrenal Glands**

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 0.36 cm at the caudal pole and 0.6 cm at the cranial pole. The left adrenal gland measured 0.39 cm.

**Spleen**

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted. Caudal folding of the spleen was noted, positional variant.

**Liver**

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

**Gastrointestinal**



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Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

## SPECIES

Canine

### **Pancreas**

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

## BREED

Mix

### **Free Abdomen**

The mesenteric **lymph nodes** (up to 0.55 cm in width) presented normal length to width ratio with slight, swollen contour. There was no loss of parenchymal detail. This is most consistent with reactive lymphadenitis or lymphatic hyperplasia.

## SEX

Neutered Male

## ULTRASONOGRAPHIC FINDINGS

- Mesenteric lymphadenopathy
- Right kidney pyelectasia, likely owing to fluid therapy
- Structurally unremarkable abdomen otherwise

## AGE

12 Months

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

## WEIGHT

22.6 Pounds

Dietary indiscretion, food intolerance, structurally insignificant inflammatory bowel or occult parasitism and occult Addison's are all potentials. Antiparasitic protocol warranted. Underlying dietary intolerance, occult parasitism, helicobacter and similar all possible in this case. No evidence of significant structural disease. No masses in this patient or obstructive disease. A clinical trial of the following may prove effective.

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### **Helicobacter/Gastritis protocol**

## IMAGING

### PERFORMED BY

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A clinical trial of **Zithromax (Dogs: 5-10 mg/kg p.o. q24h. May increase dosing interval to q48h after 3-5 days of treatment), Metronidazole (10-20 mg/kg p.o. b.i.d.), Pepcid (0.5-1 mg/kg s.i.d.) and Sucralfate (0.5-2 g/dog PO) or Omeprazole (1 mg/kg p.o. s.i.d.)** over the next 3 weeks along with a **novel-protein or hydrolyzed diet** with slurry feeding b.i.d./t.i.d. over the next 2-4 days and then increase to canned diet bid. Dry food should be avoided over the next 4 weeks. A recheck sonogram to assess GI improvement or progression would be ideal in 4 weeks.

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## REFERRING VET

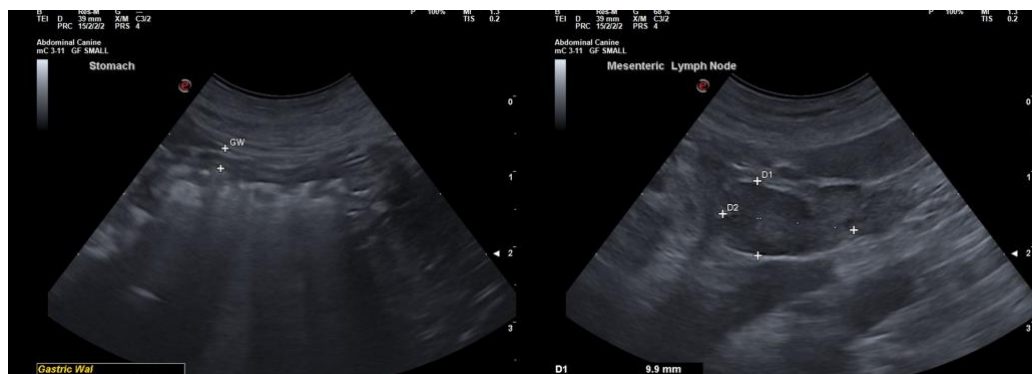
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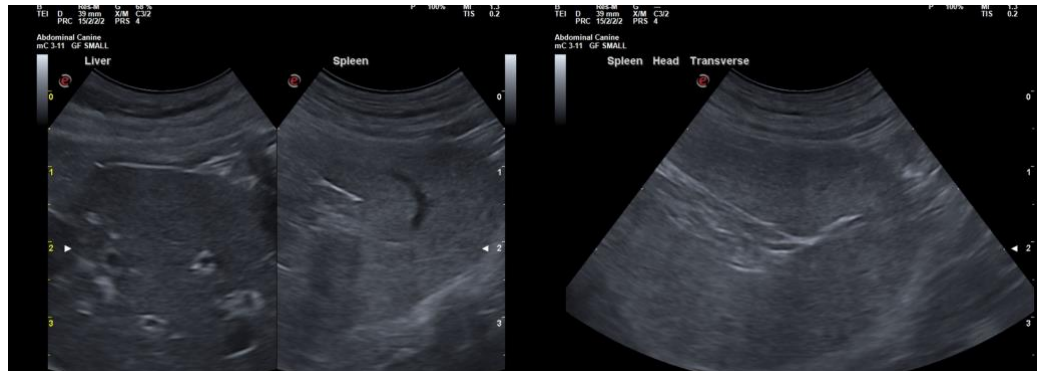
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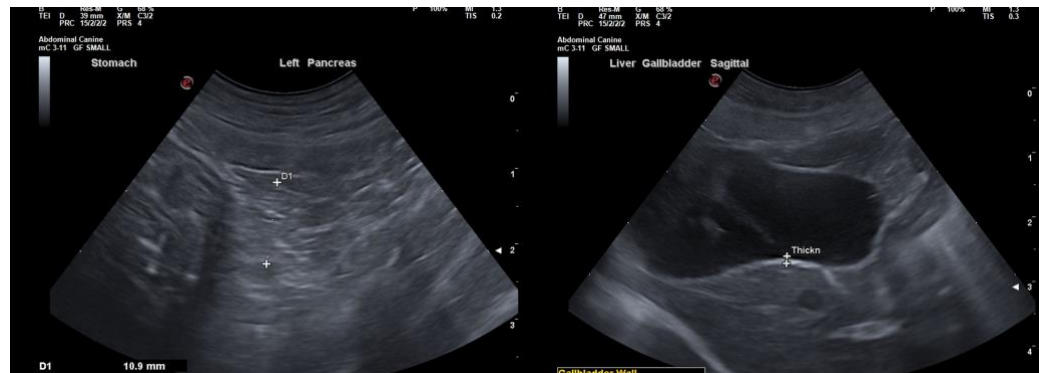
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

**Eric Lindquist**, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com  
info@SonoPath.com