



PATIENT

Cash O'Conner

SPECIES

Canine

BREED

Labrador Retriever X

SEX

Neutered Male

AGE

3 Years

WEIGHT

76 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jessica Bailes

HOSPITAL NAME

All Creatures Great &
Small, Corvallis, OR

REFERRING VET

Justin Vaughn

INVOICE

21982

DATE

4/13/23

PRESENTING CLINICAL SIGNS

History: Chronic hx of intermittent vomiting (almost daily); sometimes picky appetite. Chronically soft stools. Symptoms will resolve when on omeprazole but as soon as omeprazole is stopped symptoms will return Currently on GI low fat diet and patient doing well - no vomiting.

Abnormal PE/Chem/CBC/UA Results: NSF on PE Fecal: negative BW: SC: PSL 524, bili 0.3. All other UR. CBC: UR T4: 1.8 UA: USG 1.030. 1+ bili, 4-10 struvite, IS. cortisol: 1.3 ACTH stim - WNL

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **bladder** in this patient was mildly thickened with slight echogenic mural changes. No calculi or masses were noted. Slight micropolypoid changes were noted. This is a frequent finding in older animals and may be linked to a history of chronic urinary tract infection or active urinary tract infection. Urinalysis would be recommended with culture if any evidence of inflammatory sediment is present. The region of the trigone and visible pelvic urethra were normal. A minimal amount of urine was present in the bladder at the time of the sonogram. This is a minor change.

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 and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 6.73 cm. The left kidney measured 5.96 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 left adrenal gland measured 2.24 cm x 0.7 cm at the caudal pole and 0.66 cm at the cranial pole. The right adrenal gland measured 3.85 cm x 1.3 cm at the cranial pole and 0.5 cm at the caudal pole.

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.

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

Labrador Retriever X

ULTRASONOGRAPHIC FINDINGS

SEX

Neutered Male

- Unremarkable abdomen
- Age-related urinary bladder changes and a minimal amount of urine present at the time of the sonogram

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

3 Years

No evidence of pathology. Occult parasitism, dietary intolerance and helicobacter are all possible. Helicobacter type protocol is warranted over a 3-4-week period, if not carried out to that level, and reassessment of the clinical signs. Helicobacter protocol such as the following is recommended, otherwise, endoscopy is indicated with mucosal biopsies.

WEIGHT

76 Pounds

Helicobacter/Gastritis protocol

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.

INTERPRETED BY

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IMAGING PERFORMED BY

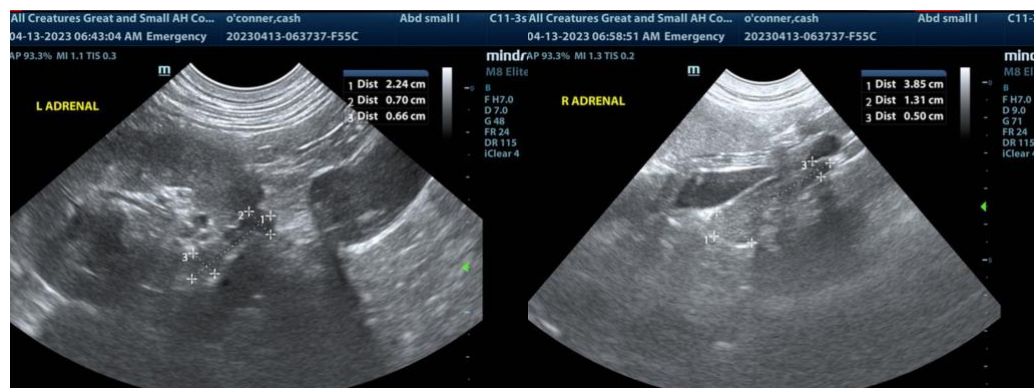
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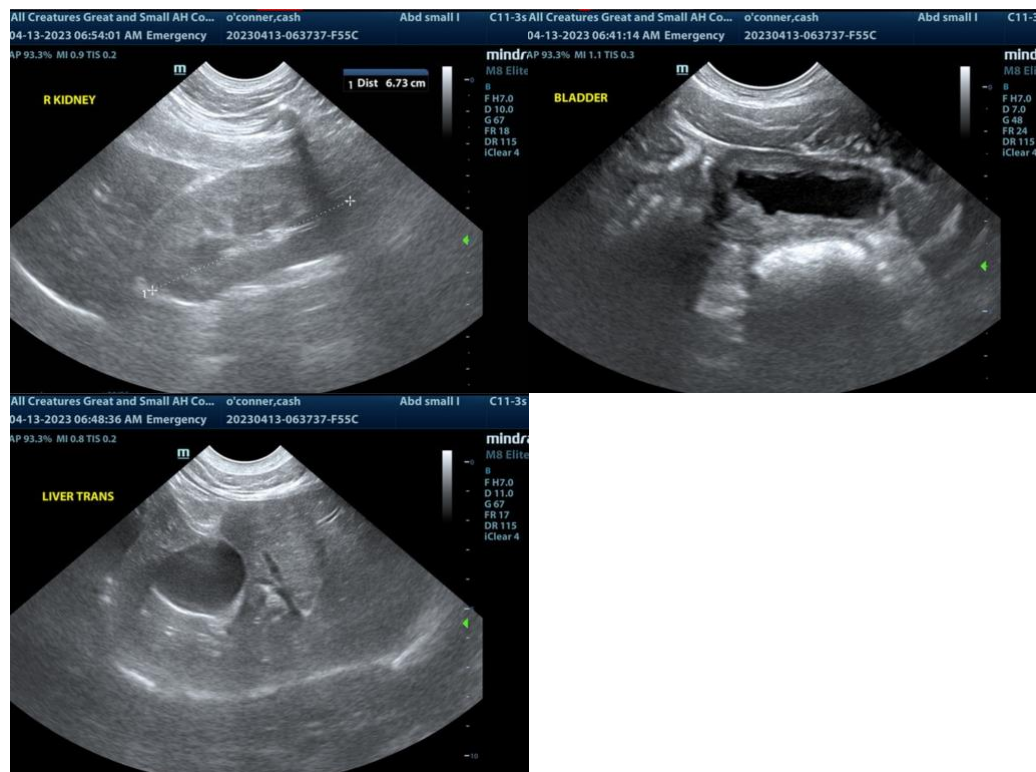
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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