

PATIENT PRESENTING CLINICAL SIGNS

Sophie O'Connor History: Acute diarrhea. Elevated liver values. IVDD. Current medications: Galliprant 20mg SID, Gabapentin 100mg BID, Methocarbamol 500mg 1/1 TID, Metronidazole 250mg 1/2 BID

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

BREED

Beagle Mix

The urinary bladder, trigone, and pelvic urethra are normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended with anechoic urine. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2 cm, are normal.

SEX

Spayed Female

The left kidney presented normal size (5.07 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

AGE

7/20/10

The right kidney presented normal size (5.52 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

WEIGHT

28.1 Pounds

Adrenal Glands

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

The left adrenal gland is normal size (0.57 cm at cranial pole) (0.64 cm at caudal pole) (2.41 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

IMAGING

PERFORMED BY

Andrea Nicastro, DVM,
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(Small Animal Internal

The right adrenal gland is normal size (0.97 cm at cranial pole) (0.52 cm at caudal pole) (1.29 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

Spleen

HOSPITAL NAME

Foxbank VH

The spleen is normal in size (1.19 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

REFERRING VET

Dr. Andi Winney

Liver

INVOICE

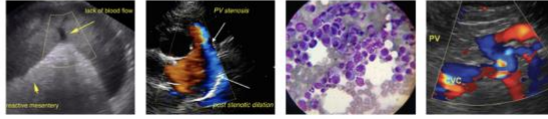
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The liver is subjectively prominent in size with swollen curvilinear peripheral contours. The parenchyma is isoechoic relative to the spleen and exhibits mild heterogeneity. No focal distinct lesions are observed. Hepatic vasculature and biliary tracts are of normal volume with no evidence of congestion.

DATE

6/13/22

The gall bladder lumen is moderately distended. The wall is thin and smooth. A small amount of gravity dependent echogenic debris is observed within the lumen. The cystic and common bile ducts



PATIENT are normal.

Sophie O'Connor

Gastrointestinal

SPECIES

Canine

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. The colonic lumen contains shadowing fecal material. There is no evidence of an obstructive pattern.

BREED

Beagle Mix

Pancreas

SEX

Spayed Female

The right limb of the pancreas is visible with normal curvilinear peripheral contours. The parenchyma is largely isoechoic relative to surrounding omental fat and slightly mottled in appearance. The pancreatic duct is visible but not overtly dilated. There is no evidence of peripancreatic inflammation or effusion.

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Free Abdomen

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

WEIGHT

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Other

A brief echocardiogram reveals no evidence of pericardial effusion or obvious right atrial/auricular mass.

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ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Benign diffuse hepatopathy. Top differentials include vacuolar hepatopathy and regenerative nodular hyperplasia. Inflammatory disease is considered unlikely in light of the normal ALT. Infiltrative neoplasia is possible but also considered unlikely based on the sonographic appearance of the liver.
- Gallbladder debris- incidental

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Secondary Findings

- Minor age-related renal and pancreatic changes

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*An obvious cause for the patients diarrhea is not identified in the study. Considerations include dietary indiscretion, infectious/parasitic disease, food intolerance/allergy, underlying metabolic issue, low-grade pancreatitis, other.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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- Serial monitoring (i.e., every 3-4 months) of the patient's liver values is recommended. If values continue to increase, a repeat abdomen ultrasound +/- a more advanced hepatic work-up (i.e., tissue sampling) may be warranted.

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- Regarding the diarrhea, a fecal evaluation for ova and Giardia and symptomatic care is recommended. If clinical signs do not improve within 48-72 hours of medical management, a



PATIENT

more advanced GI work up (i.e., malabsorption panel, hypoallergenic diet trial, etc.) +/- GI biopsies may be warranted.

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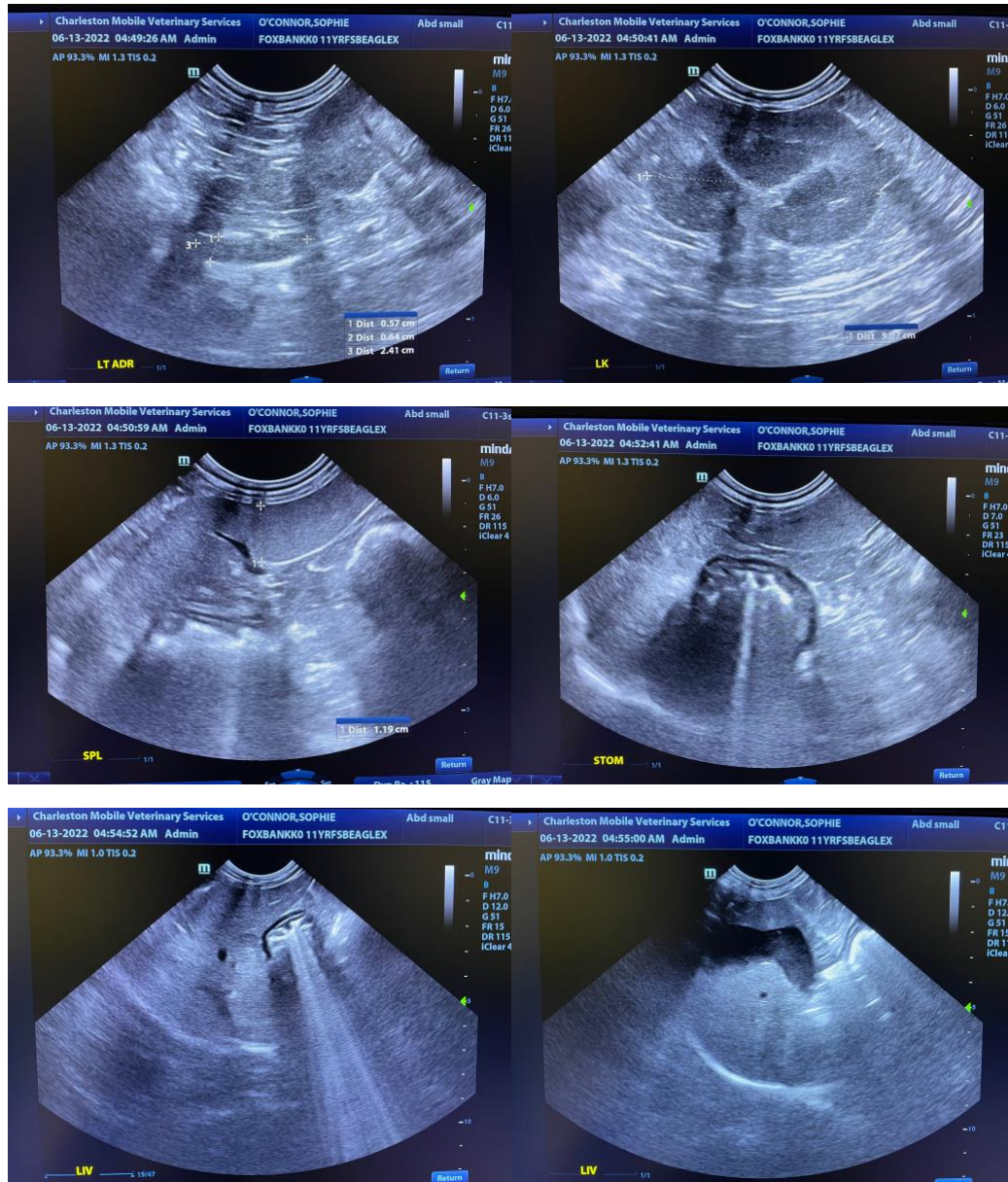
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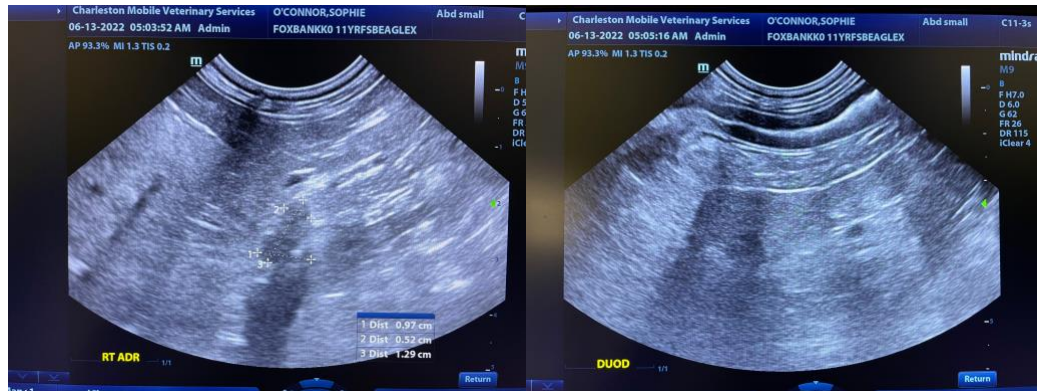
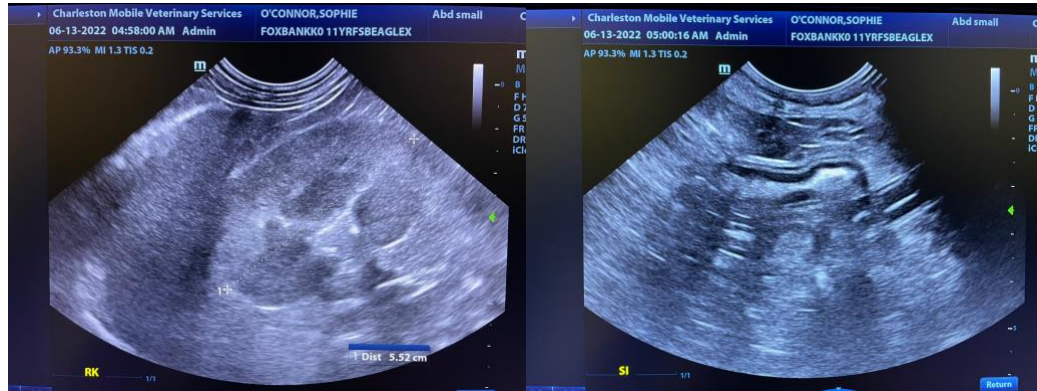
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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