



PATIENT

Barkley DeHaas

PRESENTING CLINICAL SIGNS

History: Patient presents for not eating / eating only treats, has no interest in his normal food. BAR this morning, no vomiting, no diarrhea, no previous history or known dietary indiscretion.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Glob. 4.7, Alk. Phos. 269, amylase 1850, lipase 1954.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Mixed breed

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

SEX

MN

Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 4.7 cm in length. The right kidney measured 4.4 cm in length.

AGE

14 years

The area of the aortic trifurcation was free of pathology.

WEIGHT

N/A

The area of the residual prostate was normal measuring 0.73 cm.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.57 cm width at the caudal pole and 1.7 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.7 cm width at the caudal pole and 1.8 cm length.

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age-related remodeling with minor potential for inflammatory or neoplastic disease.

IMAGING

PERFORMED BY

Kelly Vasquez

Liver

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. Lobar biliary tree mineralization was noted in the mid to right liver. The hepatic and portal vasculature were normal in appearance without signs of congestion.

HOSPITAL NAME

Bergen County Vet
Center

REFERRING VET

Dr. Megan Moore

The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with mildly hyperechoic nonmineralized congealed debris occupying the majority of the lumen. The cystic and common bile ducts were normal.

INVOICE

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Gastrointestinal

DATE

06/17/2022

The stomach presented intact yet mildly prominent wall layering with a normal wall layer ratio. The lumen of the stomach contained retained mildly anechoic to echogenic fluid along with a solitary small



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nonobstructive density exhibiting subtle progressive distal acoustic shadowing measuring 1.3 cm in diameter with no signs of ileus, obstruction or foreign material. The ventral gastric body wall measured 0.54 cm in width.

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The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material. The small intestinal wall measured 0.41 cm in width.

Normal visible colon wall layers were present with apparent formed feces in lumen.

BREED

Mixed breed

Pancreas

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

SEX

MN

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

AGE

14 years

ULTRASONOGRAPHIC FINDINGS

WEIGHT

N/A

- Mild gastritis pattern exhibiting mild retained fluid and solitary small nonobstructive density
- Congealed yet nonorganized mildly hyperechoic gallbladder debris
- Overtly normal small bowel
- Hepatic parenchymal remodeling with lobar biliary tree mineralization
- Bilateral chronic renal changes

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The density in the gastric lumen and may correlate with ingesta, treat or medication if clinically indicated while potential hairball density or other nonobstructive foreign material cannot be definitively excluded. After 12-18 hour NPO status, sonographic reassessment of the stomach is warranted to make sure the density has passed. As needed GI supportive care is recommended. No overt evidence of active pancreatitis although the possibility of low grade to chronic pancreatitis which may present sonographically normal cannot be excluded. Correlation with a spec cPL may be considered. Ursodiol therapy is recommended.

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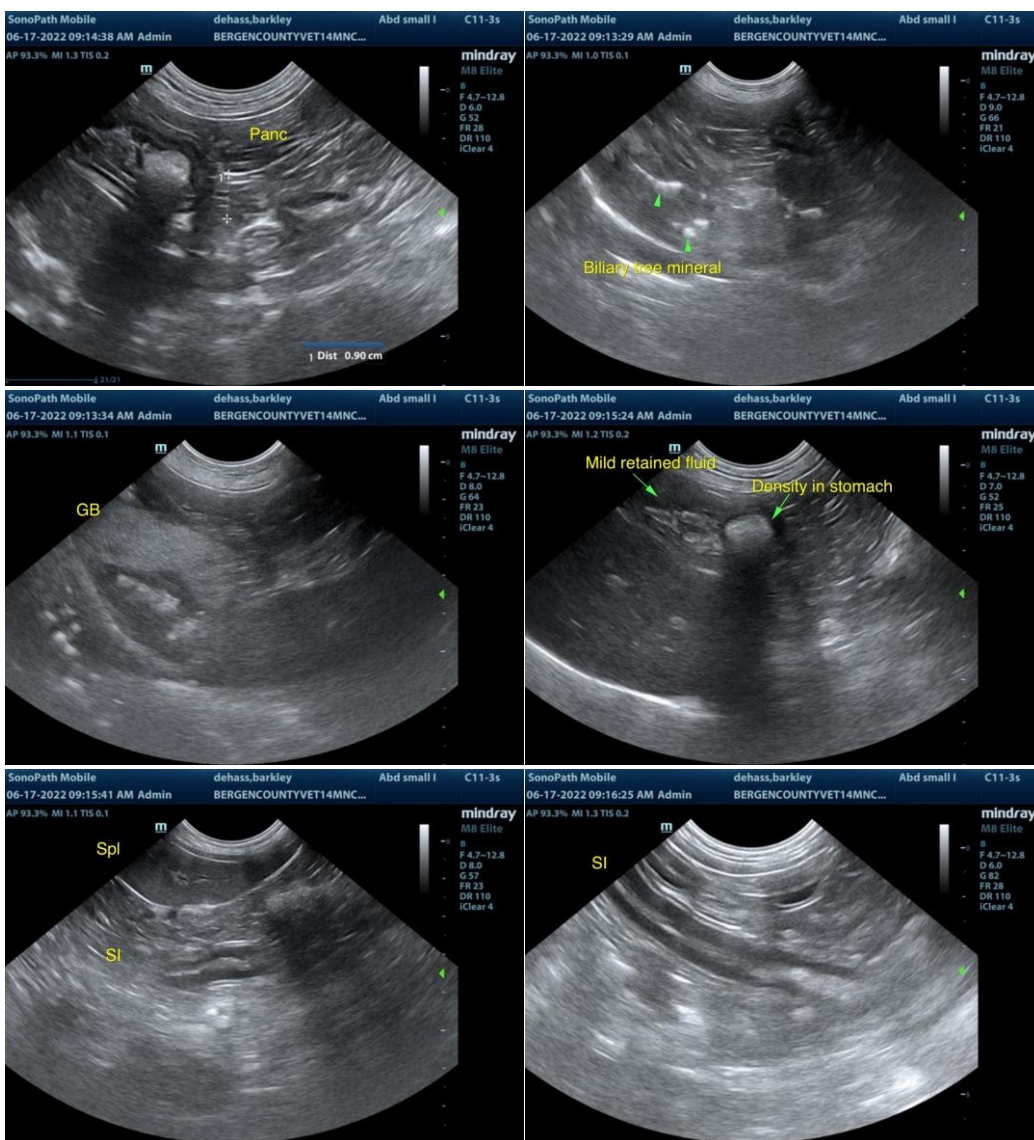
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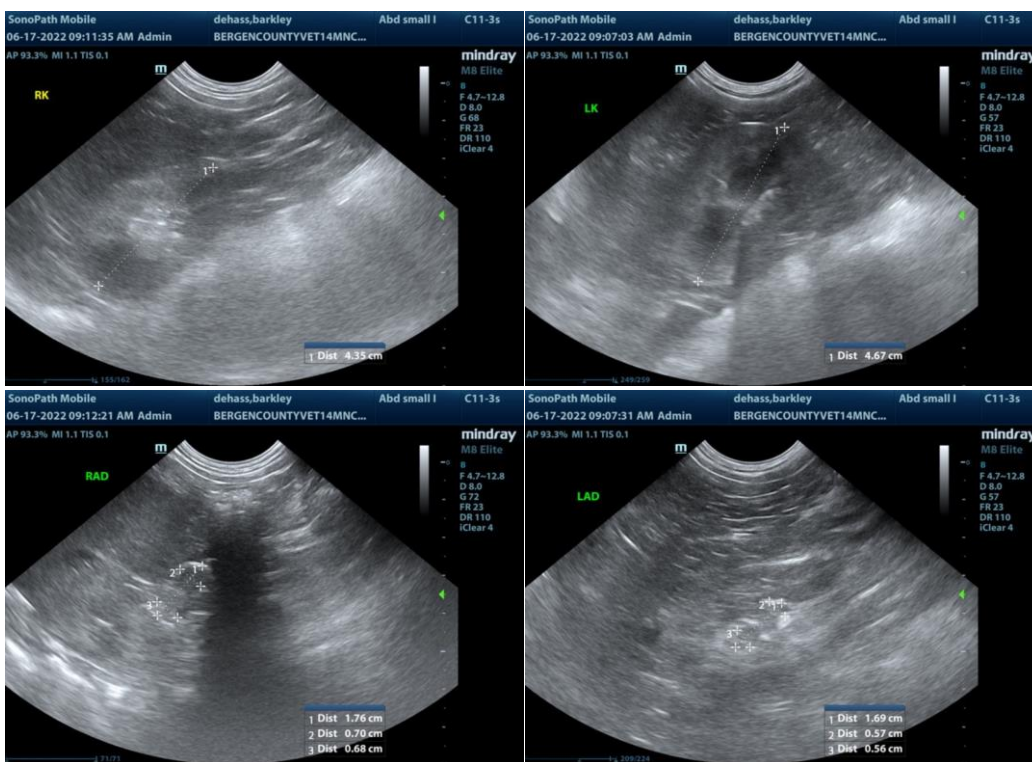
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AGE

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WEIGHT

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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

info@SonoPath.com