



PATIENT	PRESENTING CLINICAL SIGNS
Maya Reneau	History of renal disease, physical exam unremarkable.
SPECIES	Abnormal PE/Chem/CBC/UA Results: 9/30/22 (fasted recheck) SDMA 17, Creat: 1.5, ALT 136, ALP 622. 9/8/22: Creat 1.7, ALT 153, ALP 622
Canine	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
BREED	Urinary System
Mix	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	
FS	Normal size and margination were 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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Bilateral areas of pinpoint medullary mineral were present. The left kidney measured 4.5 cm in length. The right kidney measured 5.0 cm in length.
AGE	
14yr	The area of the aortic trifurcation was free of pathology.
WEIGHT	Adrenal Glands
43lb	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.71 cm width at the caudal pole and 2.5 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.90 cm width at the caudal pole and 2.7 cm length. No evidence of adrenal tumors was observed.
INTERPRETED BY	Spleen
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	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	Liver
Dr. Ebersole	The liver was subjectively normal in size, structure, and contour. Diffuse mildly non-uniform hyperechoic parenchyma exhibiting mild to moderate coarse echotexture was present. Potential for very discrete intermittent to multiple hypoechoic nodules. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with mild echogenic luminal debris. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.
HOSPITAL NAME	
Scanvet	
REFERRING VET	
Dr. Fortin	
INVOICE	Gastrointestinal
12015ag	The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild to moderate ingesta exhibiting very subtle progressive acoustic shadowing with no signs of ileus, obstruction or foreign material.
DATE	
10/26/2022	



PATIENT

Maya Reneau

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.

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

SPECIES

Canine

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.

BREED

Mix

Free Abdomen

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

SEX

FS

ULTRASONOGRAPHIC FINDINGS

- Bilateral mild chronic renal changes exhibiting pinpoint medullary mineral
- Hepatopathy exhibiting generalized parenchyma hyperechogenicity
- Minor gallbladder debris (non-mucocele)
- Gastric ingesta-probable post prandial presentation

AGE

14yr

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

43lb

Sonographically the appearance of the kidneys is consistent with mild chronic kidney disease in conjunction with relatively low-grade azotemia. Further renal staging to include urine C/S and protein:creatinine ratio on sterile urine sample may be considered. CKD therapy and monitoring of systemic BP is recommended.

INTERPRETED BY

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

The hepatic parenchyma hyperechogenicity was non-specific with considerations including vacuolar hepatopathy, chronic hepatitis, lipidosis, fibrosis or other hepatopathy with less likely potential for round cell neoplasia. Assuming normal clotting status and using a 25g needle, a hepatic FNA for screening cytology is warranted for further assessment. Hepatosupportive medications such as Denamarin or Vitamin E as well as Ursodiol may prove beneficial.

IMAGING PERFORMED BY

Dr. Ebersole

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SPECIES

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BREED

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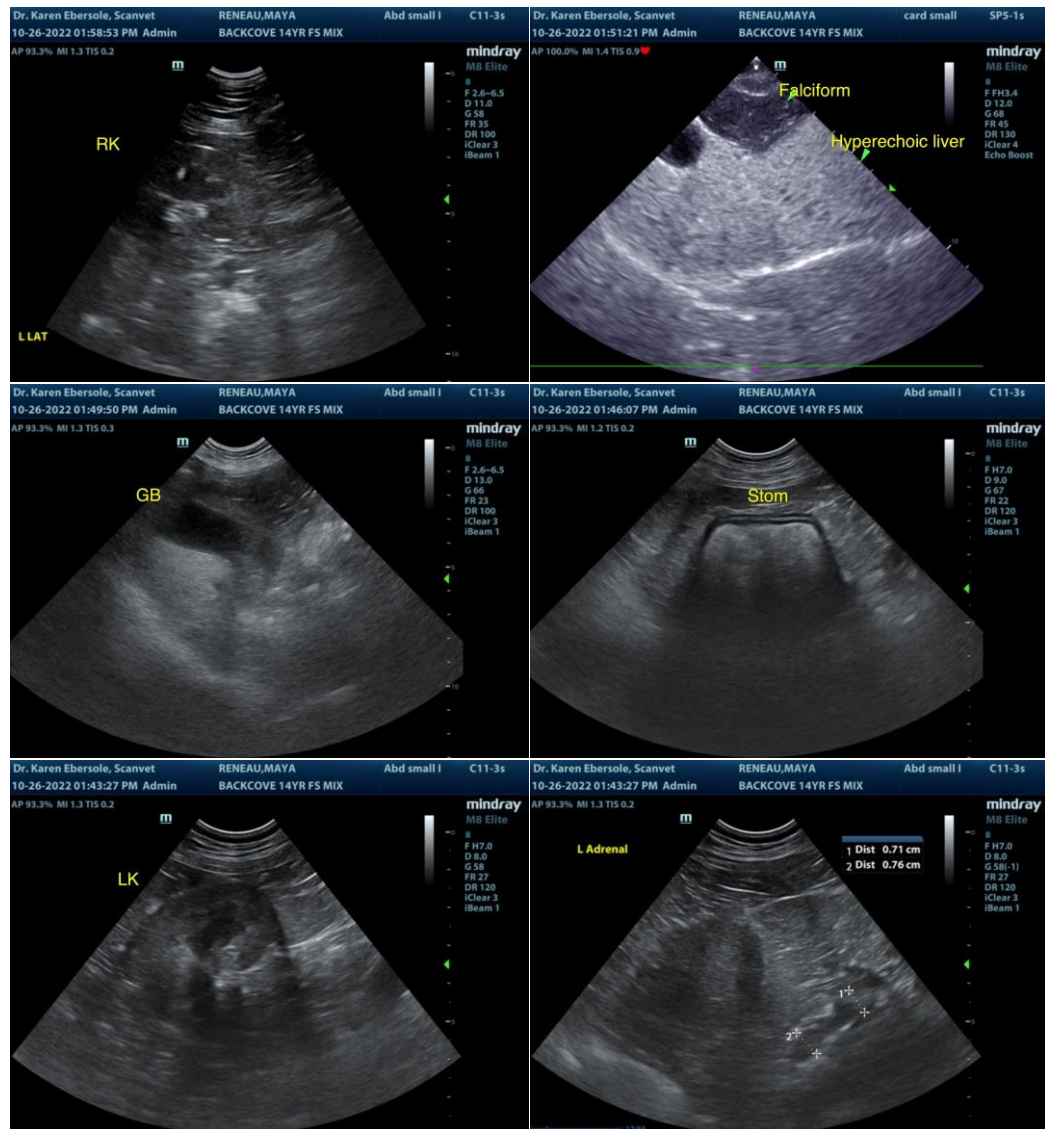
Dr. Fortin

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PATIENT

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SPECIES

Canine

BREED

Mix

SEX

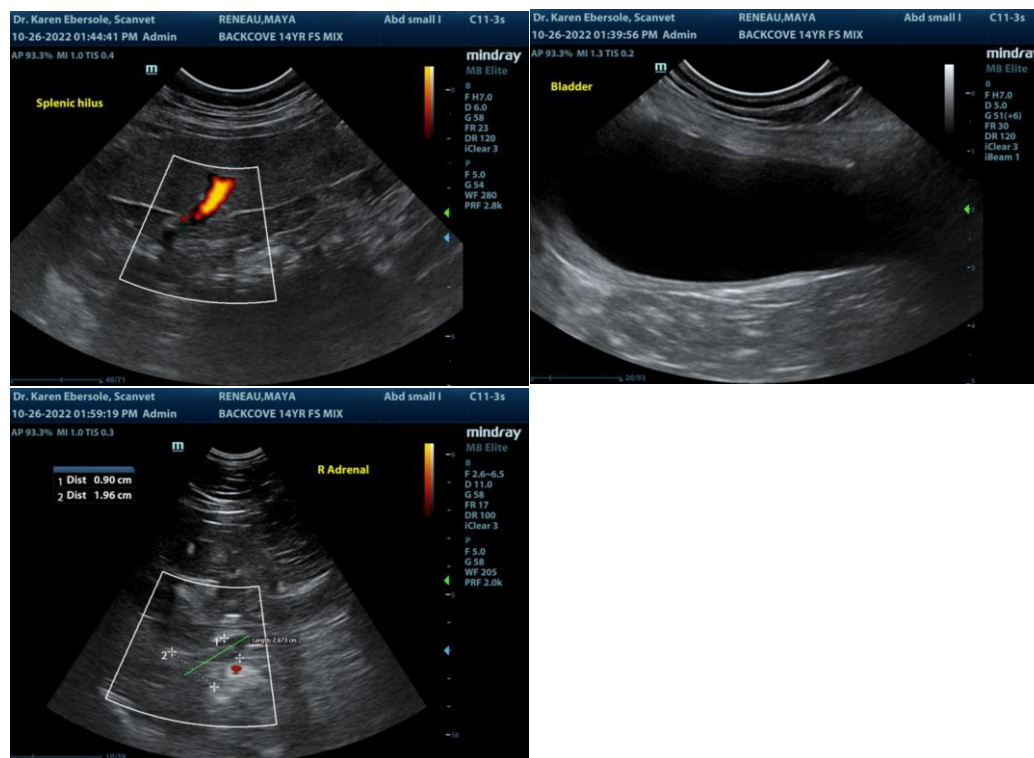
FS

AGE

14yr

WEIGHT

43lb



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)

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DVM, DABVP
(Canine and Feline)

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