

PATIENT	PRESENTING CLINICAL SIGNS
Lily Beattie	History of renal mineralization and pancreatitis. is PU with some accidents in the house but otherwise asymptomatic. Short term GA for scan
SPECIES	Abnormal PE/Chem/CBC/UA Results: Mod to severe elevation of pancreatic enzymes
Canine	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
BREED	Urinary System
Terrier 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 moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Bilateral pinpoint medullary mineral was present. The left kidney measured 3.9 cm in length. The right kidney measured 4.4 cm in length
AGE	
13	The area of the aortic trifurcation was free of pathology.
WEIGHT	Adrenal Glands
6.5kg	The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 0.54 cm width in the cranial pole and 0.45 cm width in the caudal pole. The right adrenal gland measured 0.57 cm width in the cranial pole and 0.57 cm width in the caudal pole.
INTERPRETED BY	Spleen
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The spleen exhibited normal size and contour with mild parenchyma heterogeneity. A solitary non-homogenous non-disruptive nodule was present in the mid spleen measuring 1.0 cm in diameter. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis.
IMAGING PERFORMED BY	Liver/Gallbladder
Dr. Belan	The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. Intermittent discrete non-disruptive intraparenchymal nodules were present, an example measuring 0.92 cm in diameter. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content and minor echogenic debris. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.
HOSPITAL NAME	Gastrointestinal
Cranston Vet Clinic	The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.
REFERRING VET	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.
Dr. Vander Pol	Normal visible colon wall layers were present with apparent formed feces in lumen.
INVOICE	
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DATE	
01/06/2023	



PATIENT

Pancreas

Lily Beattie

The pancreas was mildly prominent in size with normal contour and isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

SPECIES

Free Abdomen

Canine

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

BREED

ULTRASONOGRAPHIC FINDINGS

Terrier Mix

- Bilateral chronic renal changes exhibiting mild medullary hyperechogenicity with pinpoint medullary mineral
- Non-specific heterogenous potentially cystic splenic nodule-hyperplasia, hematopoiesis, focal splenitis, small hematoma or similar suspected, potential for emerging neoplastic criteria thought less likely yet cannot be definitively excluded
- Hepatic parenchyma remodeling with intermittent discrete intraparenchymal nodules-subjectively benign
- Mild gallbladder debris (non-mucocele)
- Prominent to heterogenous pancreas-not overtly consistent with active pancreatitis or neoplastic criteria

SEX

FS

AGE

13

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

6.5kg

Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered. Initial sonographic monitoring of the splenic nodule for evidence of progression with initial recheck in 4 weeks would be reasonable.

INTERPRETED BY

Assuming normal clotting status and using a 25g needle, a splenic nodule FNA for screening cytology is warranted for further assessment.

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

Empirical therapy for chronic pancreatitis which may include bland diet and as needed gastric protectants if clinically indicated is recommended.

IMAGING PERFORMED BY

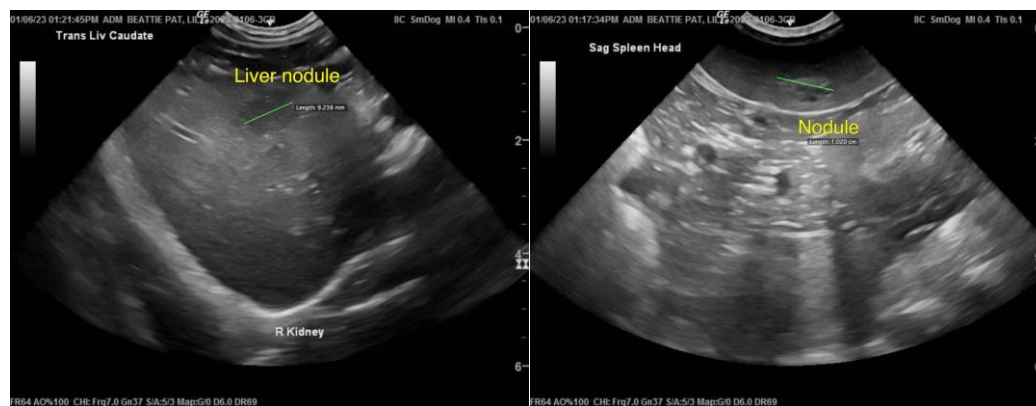
Dr. Belan

HOSPITAL NAME

Cranston Vet Clinic

REFERRING VET

Dr. Vander Pol



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Lily Beattie

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6.5kg

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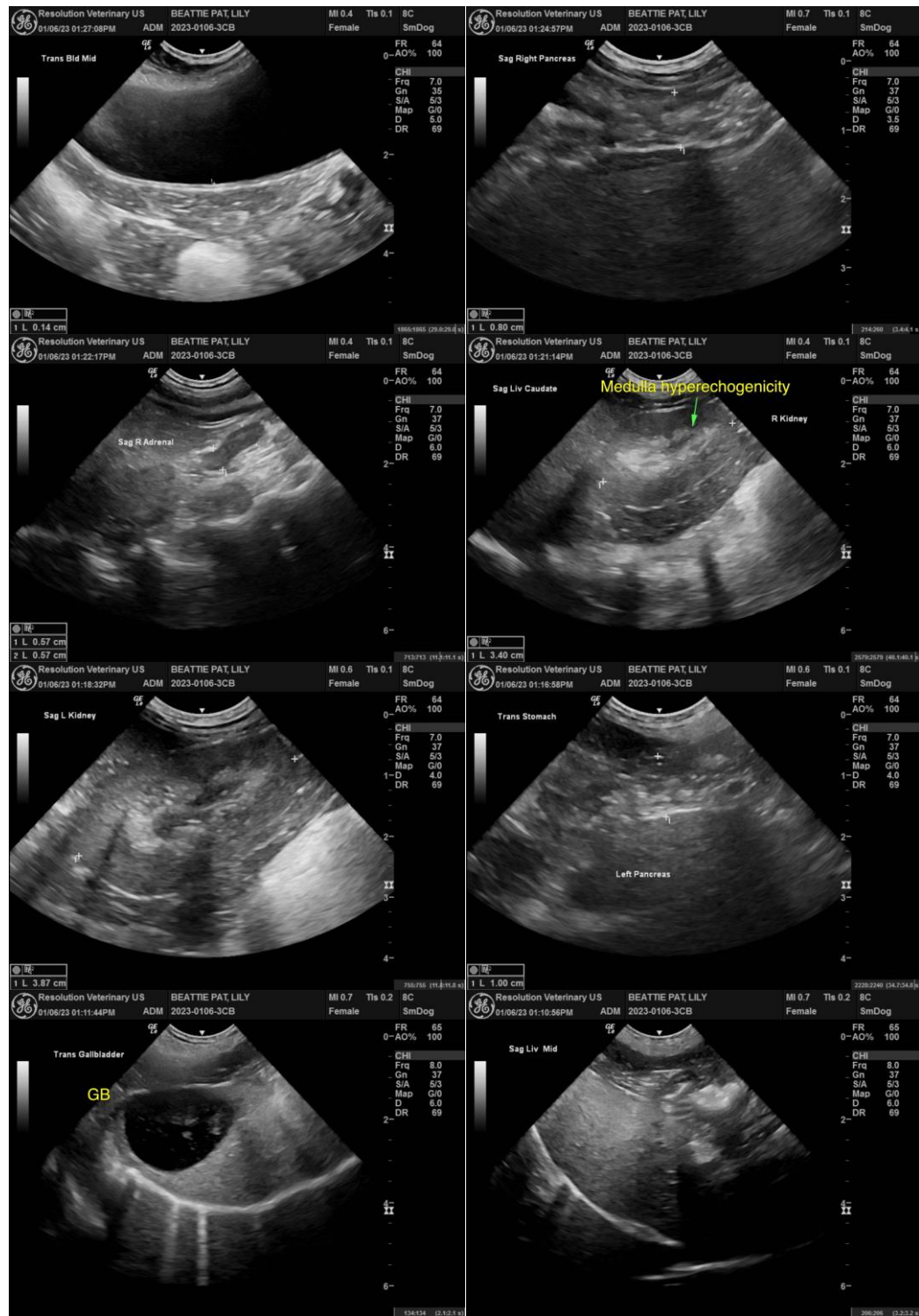
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I



PATIENT

can be of any further assistance, please contact me.

Lily Beattie

SPECIES

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)
mac.daniel@sonopath.com

Canine

BREED

Terrier Mix

SEX

FS

AGE

13

WEIGHT

6.5kg

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