



PATIENT	PRESENTING CLINICAL SIGNS
Jenny Saracino	Recent history of coughing. Left-sided cardiomegaly based on chest rads, also has signs of enteritis on abdominal rads.
SPECIES	Abnormal PE/Chem/CBC/UA Results: ALT 144, ALP 562. USG: 1.036.
Canine	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
BREED	Urinary System
Shih Tzu	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	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. The left kidney measured 3.8 cm in length. The right kidney measured 3.6 cm in length.
FS	
AGE	The area of the aortic trifurcation was free of pathology.
13yr	
WEIGHT	Adrenal Glands
16.8lb	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.38 cm width at the caudal pole and 1.1 cm length. Mildly enlarged irregular nodular right adrenal gland was present measuring 2.0 cm x 1.0 cm.
INTERPRETED BY	Spleen
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. 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. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.
IMAGING PERFORMED BY	Liver/Gallbladder
Kelly Vazquez	The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The visualized portal vein appeared to exhibit normal vascular volume with no evidence of a portosystemic shunt. 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. The cystic and common bile ducts were normal.
HOSPITAL NAME	Gastrointestinal
Englewood Vet Center	The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained minor retained anechoic fluid 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. Ezik	Normal visible colon wall layers were present with apparent formed feces in lumen.
INVOICE	
13558ag	
DATE	
04/21/2023	



PATIENT

Pancreas

Jenny Saracino

The pancreas was normal in size and contour with 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

Shih Tzu

ULTRASONOGRAPHIC FINDINGS

- Non-specific benign hepatopathy with adequate vascular volume.
- Normal gallbladder.
- Mildly enlarged irregular to nodule right adrenal gland.
- Mild chronic renal changes.
- Structurally unremarkable GI tract.
- Mild pancreatic remodeling.

SEX

FS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

13yr

Considerations for the liver may include vacuolar hepatopathy, non-obstructive cholestasis, inflammatory/immune mediated disease or other hepatopathy without evidence of hepatobiliary obstructive or neoplastic criteria. Hepatic sampling would be required for further clarification. Hepatosupportive medications such as Denamarin and Ursodiol may prove beneficial.

WEIGHT

16.8lb

The mildly enlarged nodular right adrenal gland is non-specific and may indicate benign adenomatous change or hyperplasia, potential for emerging neoplasia cannot be definitively excluded. A screening BP is advised to assess for evidence of hypertension which may allude to emerging right adrenal pathology. Ideally sonographic monitoring of the right adrenal gland for evidence of progressive enlargement or nodular changes with initial recheck in 4 weeks is recommended.

INTERPRETED BY

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

Empirical GI support is suggested if clinically indicated.

IMAGING PERFORMED BY

Kelly Vazquez

HOSPITAL NAME

Englewood Vet
Center

REFERRING VET

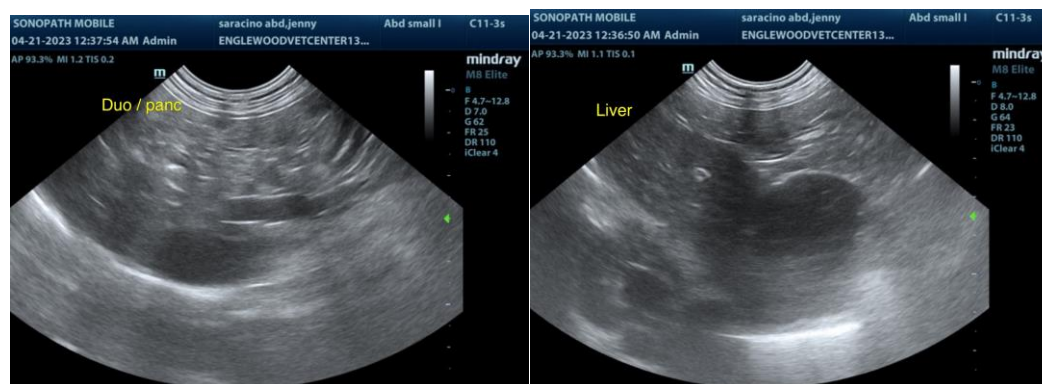
Dr. Ezik

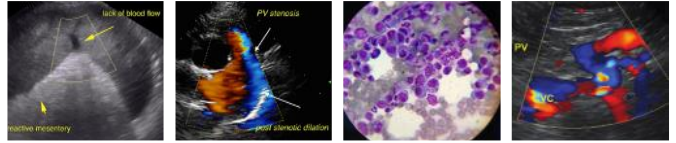
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PATIENT

Jenny Saracino

SPECIES

Canine

BREED

Shih Tzu

SEX

FS

AGE

13yr

WEIGHT

16.8lb

INTERPRETED BY

R. McKenzie Daniel,
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IMAGING PERFORMED BY

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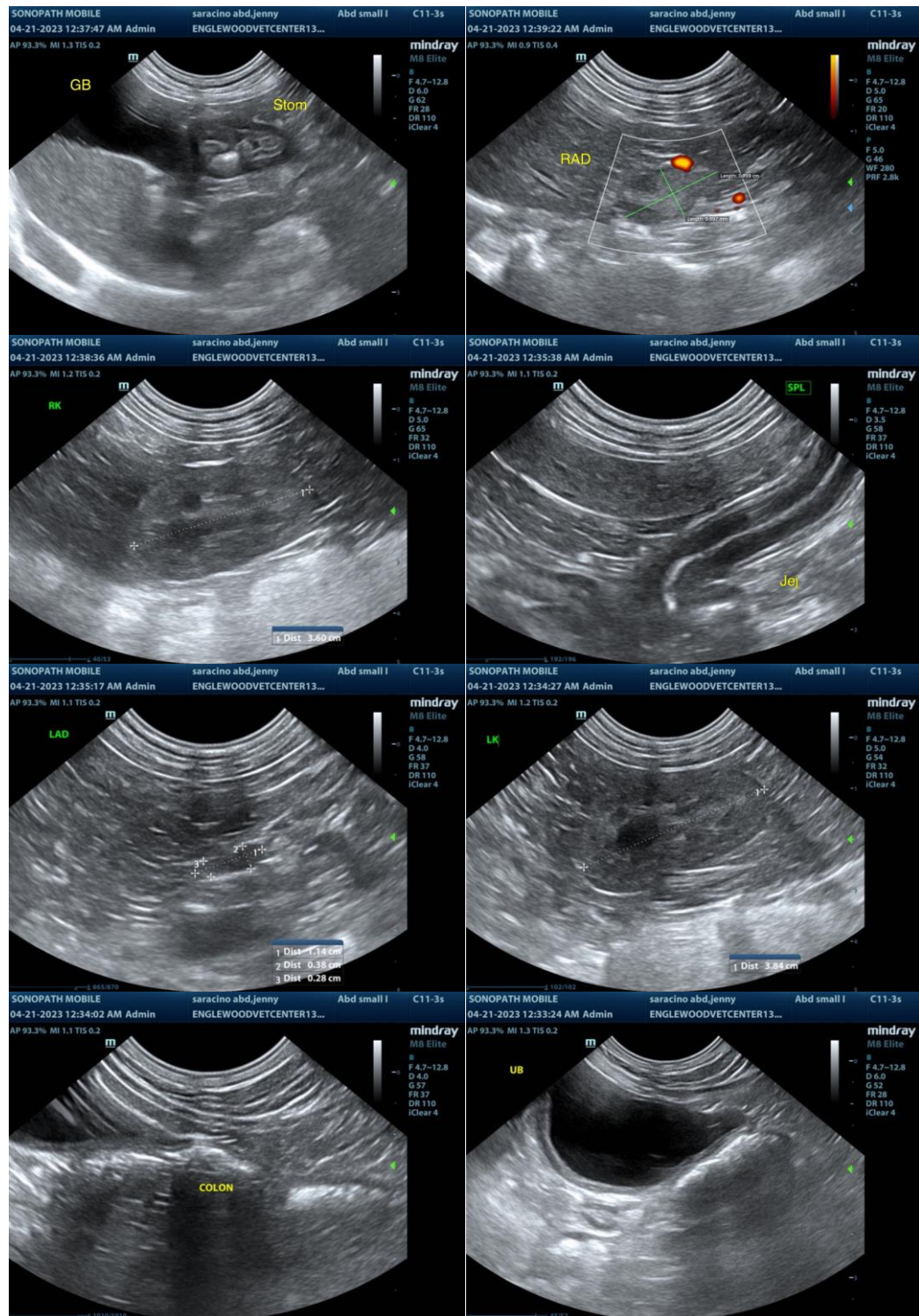
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Jenny Saracino

SPECIES

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

mac.daniel@sonopath.com

Canine

BREED

Shih Tzu

SEX

FS

AGE

13yr

WEIGHT

16.8lb

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DVM, DABVP
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**IMAGING
PERFORMED BY**

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