



PATIENT

Leon Mazur

SPECIES

Canine

BREED

Shih Tzu

SEX

Neutered Male

AGE

7 years

WEIGHT

15 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Suci

HOSPITAL NAME

Animal Clinic of
Queens

REFERRING VET

Dr. Robert Thomas

INVOICE

16112

DATE

2/9/23

PRESENTING CLINICAL SIGNS

Referred for AUS for abdominal bloating, abdominal discomfort and crouched stance.

Urinalysis December 2022 WNL No recent bloodwork

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The bladder was subnormal in size exhibiting mild anechoic luminal urine with no sediment or calculi. Full evaluation of the urinary bladder walls was limited owing to lack of urine distention., yet no evidence of urinary bladder tumors or definitive inflammatory criteria. The urethra exhibited normal structure and tone to a depth of 3.0 cm.

The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture measuring 1.2 cm in diameter.

No evidence of medial Iliac or sublumbar lymphadenopathy.

Normal size and asymmetrical 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. Moderate bilateral pyelectasia was present without evidence of concurrent left or right ureter dilation. The left kidney measured 3.4 cm in length. The right kidney measured 3.7 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.37 cm width at the caudal pole and 0.38 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.39 cm width at the caudal pole and 0.66 cm width at the cranial pole.

Spleen

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.

Liver/ Gallbladder

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size containing primarily anechoic content with mild nonorganized echogenic gallbladder debris primarily in the area of the gallbladder neck, as well as dependent throughout the gallbladder lumen. No evidence of gallbladder or peripheral gallbladder inflammatory criteria was noted. The cystic and common bile ducts were normal.



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Gastrointestinal

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The stomach presented intact wall layering with a normal wall layer ratio. The stomach was nondistended with luminal gas. No evidence of retained ingesta, fluid, or foreign material. The pylorus wall width measured 0.31 cm. The ventral gastric body wall width measured 0.30 cm.

BREED

Shih Tzu

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 mechanical or metabolic ileus, obstruction, or foreign material. The duodenum wall measured 0.37 cm width. The jejunum wall measured 0.32 cm width.

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

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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 were evident.

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Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

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ULTRASONOGRAPHIC FINDINGS

- Overtly normal stomach and small bowel
- Sonographically unremarkable pancreas
- Mild gallbladder debris - not consistent with mucocele criteria
- Bilateral nonspecific moderate chronic renal changes with bilateral moderate pyelectasia

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The kidneys are nonspecific with unknown potential for current azotemia. However, the bilateral kidneys exhibited chronic nonspecific changes, while the pyelectasia in both kidneys may indicate pelvic scarring potentially owing to chronic changes or less likely bilateral chronic pyelonephritis. Correlation with a full CBC / Chemistry Panel / Urinalysis, C/S, +/- additional renal staging to include baseline UPC level if evidence of proteinuria is recommended.

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No obvious evidence of mechanical or metabolic gastrointestinal stasis or obstructive mural pathology. Smaller more frequent feeding of canned bland or hydrolyzed diet trial with as-needed gastroprotectants could be considered if clinical concern for intermittent gastric bloating or if concurrent gastrointestinal signs. A spec cPL or full GI panel to include PLI/TLI/Cobalamin/Folate may be considered to assess for occult pancreatic or intestinal disease as a contributing factor.

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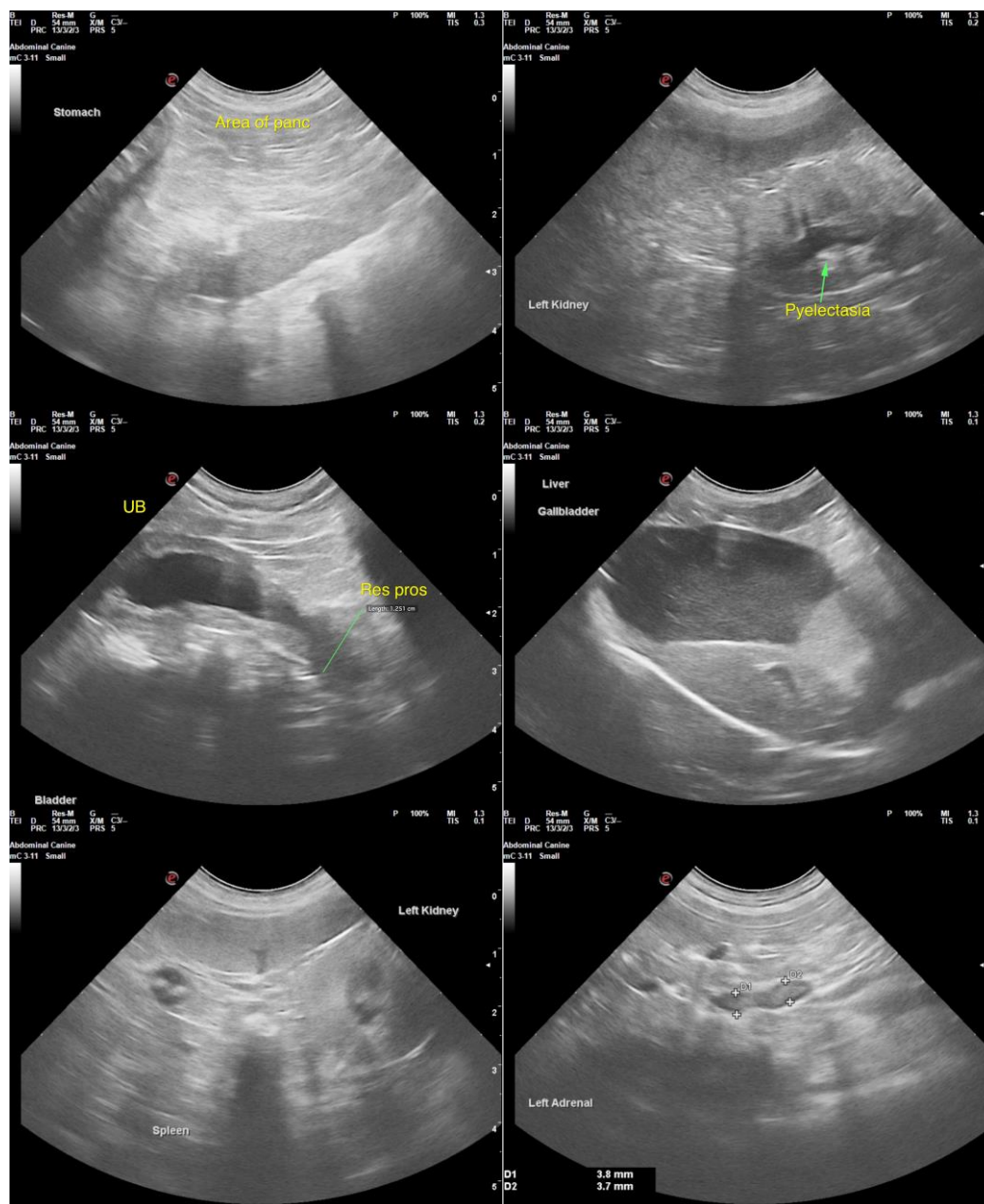
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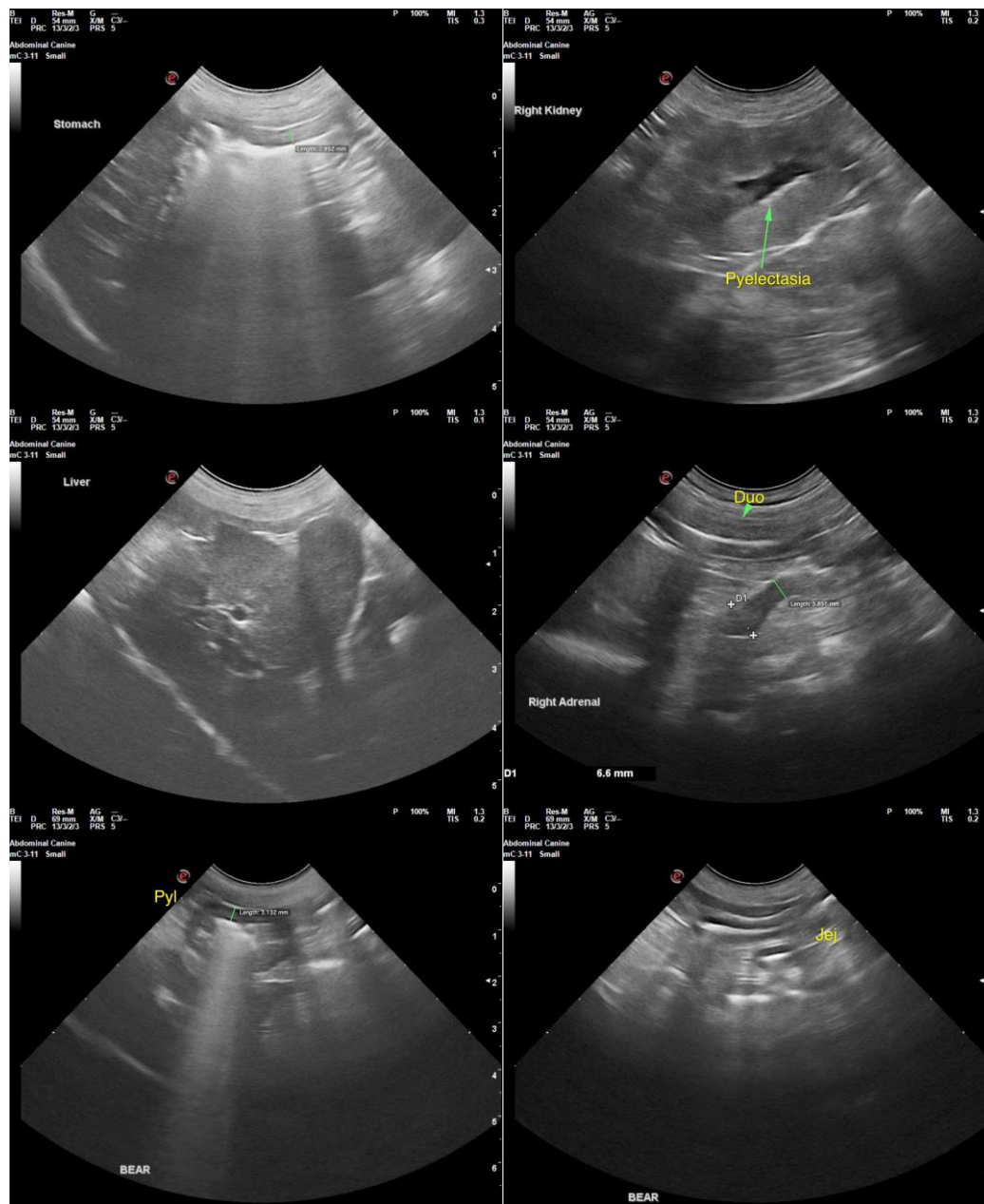
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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