



PATIENT	PRESENTING CLINICAL SIGNS
Roxy Cimbron	not eating well, losing weight, has Addison's, concern re: not controlled vs renal disease CBC- HCT 0.58, WBC 16.7 with mild neutrophilia and monocytosis
SPECIES	Chemistry Panel - ALP (>2000), ALT not read, GGT 82, TBili 73, Na/K ratio 35, BUN 12, Cr 174
Canine	Urine specific gravity- 1.015 with mild blood and protein
BREED	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Shih Tzu X	Urinary System
SEX	The bladder was subnormal in size owing to lack of urine volume, which prohibited full evaluation of the urinary bladder walls. The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone. Mild asymmetrical luminal surface to micropolyploid changes were present likely associated with age related mural changes. 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 neoplastic criteria or calculi were noted.
FS	
AGE	The area of the aortic trifurcation was free of pathology.
15 years	
WEIGHT	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. Pinpoint to focal areas of nonobstructive medullary mineral and mild bilateral pyelectasia were present. The left kidney measured 4.3 cm in length. The right kidney measured 4.5 cm in length.
6.7 kg	
INTERPRETED BY	Adrenal Glands
R. McKenzie Daniel, DVM, DABVP	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.2 cm length x 0.51 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 1.9 cm length x 0.36 cm width at the caudal pole.
IMAGING PERFORMED BY	Spleen
Kelly Reshny, RVT	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.
HOSPITAL NAME	Liver/ Gallbladder
Preston AC	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. The hepatic and portal vasculature were normal in appearance without signs of congestion.
REFERRING VET	
Dr. Coghlan	
INVOICE	
12449	
DATE	
10/26/21	



PATIENT

The gallbladder was non-distended in size with mild gallbladder debris. The cystic and common bile ducts were normal.

Roxy Cimbron

Gastrointestinal

SPECIES

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. The gastric body wall width measured 0.37 cm.

Canine

BREED

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 jejunum wall width measured 0.32 cm.

Shih Tzu X

SEX

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

FS

Pancreas

AGE

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.

15 years

Free Abdomen

WEIGHT

No omental masses, lymphadenopathy or peritoneal effusion was present.

6.7 kg

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Bilateral moderate chronic renal changes with pinpoint to focal medullary mineral and bilateral mild pyelectasia
- Hepatopathy with parenchymal remodeling - subjectively benign - vacuolar hepatitis, chronic active hepatitis, cholangiohepatitis, early fibrosis, cirrhosis or other hepatopathies possible, neoplasia is considered a less likely differential diagnosis
- Mild gallbladder debris (non-mucocele)

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP

IMAGING PERFORMED BY

Kelly Reshny, RVT

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The pyelectasia in both kidneys may be owing to chronic renal changes, potential pelvic scarring possibly owing to previous calculi passage, IV fluid therapy (if applicable). Urine C/S and baseline UPC on a sterile urine sample are suggested. Potentially, this patient may be passing small amounts of mineral.

A recheck ACTH Stimulation test, if currently being treated for Addison's or if not recently done, is suggested. Three view chest radiographs and a GI Panel to include PLI/TLI/Cobalamin/Folate may be considered to rule out occult pathology which may account for weight loss in geriatric patients. Empirically, continued as-needed gastrointestinal support and CKD therapy with monitoring of systemic blood pressure are recommended.



PATIENT

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SPECIES

Canine

BREED

Shih Tzu X

SEX

FS

AGE

15 years

WEIGHT

6.7 kg

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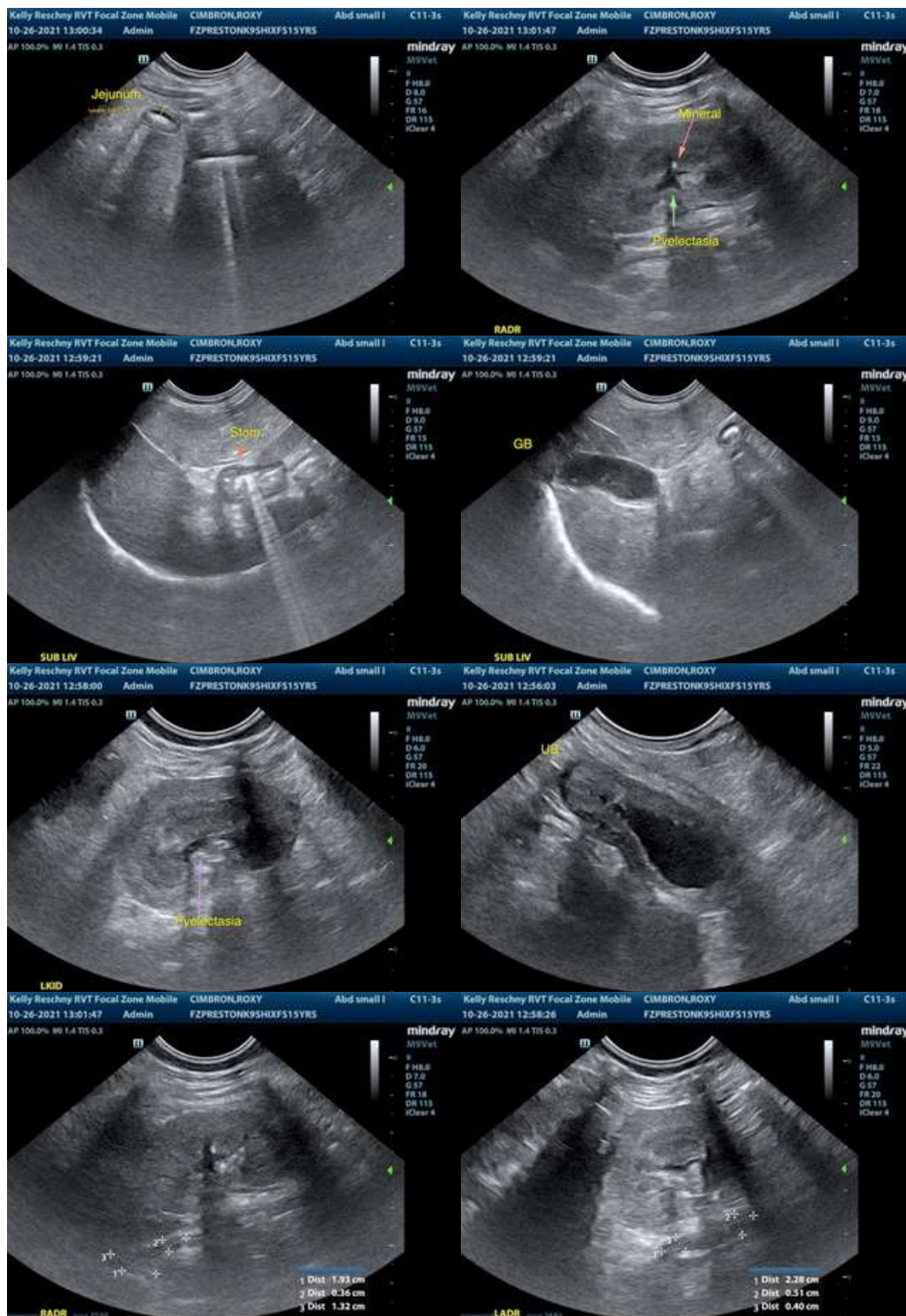
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PATIENT

Roxy Cimbron

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

SPECIES

Canine

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.

BREED

Shih Tzu X

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

FS

AGE

15 years

WEIGHT

6.7 kg

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