



## PATIENT

Cookie Li

## SPECIES

Canine

## BREED

Yorkshire Terrier

## SEX

Spayed Female

## AGE

9 Years

## WEIGHT

8.2 lbs

## INTERPRETED BY

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

## IMAGING PERFORMED BY

Dr. Lara Cabugawan

## HOSPITAL NAME

Union Vet Animal  
Hospital

## REFERRING VET

Dr. Lara Cabugawan

## INVOICE

16765

## DATE

06/17/26

## PRESENTING CLINICAL SIGNS

Patient presented for evaluation of uncontrolled hypocalcemia. The patient was recently diagnosed with hypoparathyroidism and is currently being treated with calcitriol and calcium supplementation (calcium gluconate). Owner also reports intermittent tremors noted throughout the day. Owner reports that the patient has not been interested in eating since yesterday and also noticed bloody diarrhea beginning today.

PE: LS OU, periodontal ds / halitosis. MPL grade 2-3/4.

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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 change were noted.

The area of the aortic trifurcation was free of pathology.

Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 3.3 cm in length. The right kidney measured 3.6 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 0.51 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 0.47 cm width at the caudal pole.

### Spleen

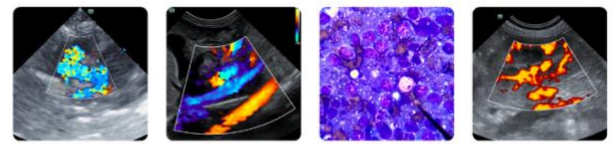
The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

### Liver & Gallbladder

The liver revealed subjective borderline hepatomegaly. 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 with mild nondependent nonorganized biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation.

### Gastrointestinal



**PATIENT**

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.

Cookie Li

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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.

Canine

The visualized colon exhibited overtly normal intact wall, non-distended size with semi-formed to possible soft fecal matter.

**BREED**

**Pancreas**

Yorkshire Terrier

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.

**SEX**

**Free Abdomen**

Spayed Female

**AGE**

No overt lymphadenopathy or peritoneal effusion was present.

9 Years

**ULTRASONOGRAPHIC FINDINGS**

**WEIGHT**

- Normal visible colon containing semi formed/soft fecal matter.
- Subjective borderline hepatomegaly- benign.
- Mild nonorganized gallbladder debris (non-mucocele).

8.2 lbs

**INTERPRETED BY**

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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

No evidence of significant visceral pathology. Suspect mild colitis in conjunction with hematochezia. Gastrointestinal support is indicated. Correlation with hepatic enzyme assessment is recommended. If current or progressive hepatopathy and assuming normal clotting status, screening, hepatic FNA cytology could be considered.

**IMAGING PERFORMED BY**

Internal medicine consult can be utilized through SonoPath.com. You can select the internal medicine drop down at <http://spa.sonopath.com/>.

Dr. Lara Cabugawan

One of the world's top internists & SonoPath associate Dr. Remo Lobetti BVSc, MMedVet, PhD, DECVIM can evaluate your case through SonoPath. <https://sonopath.com/resources/sonopath-services/internal-medicine-teleconsultation-services>

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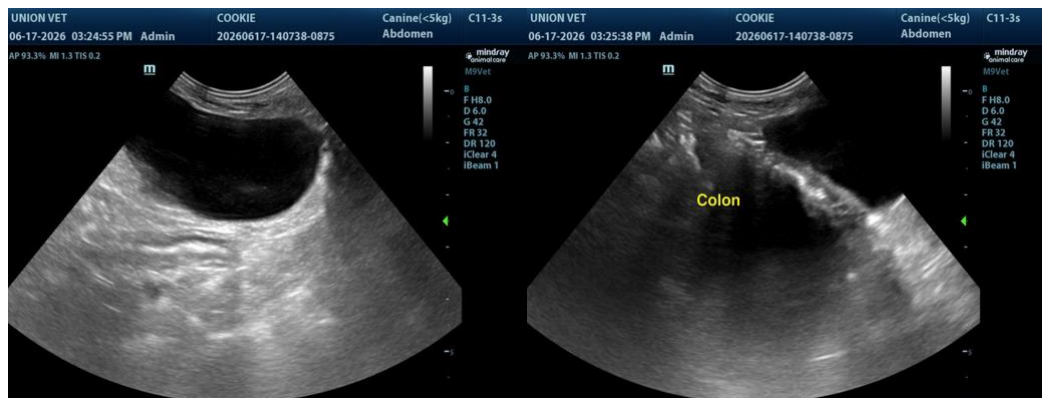
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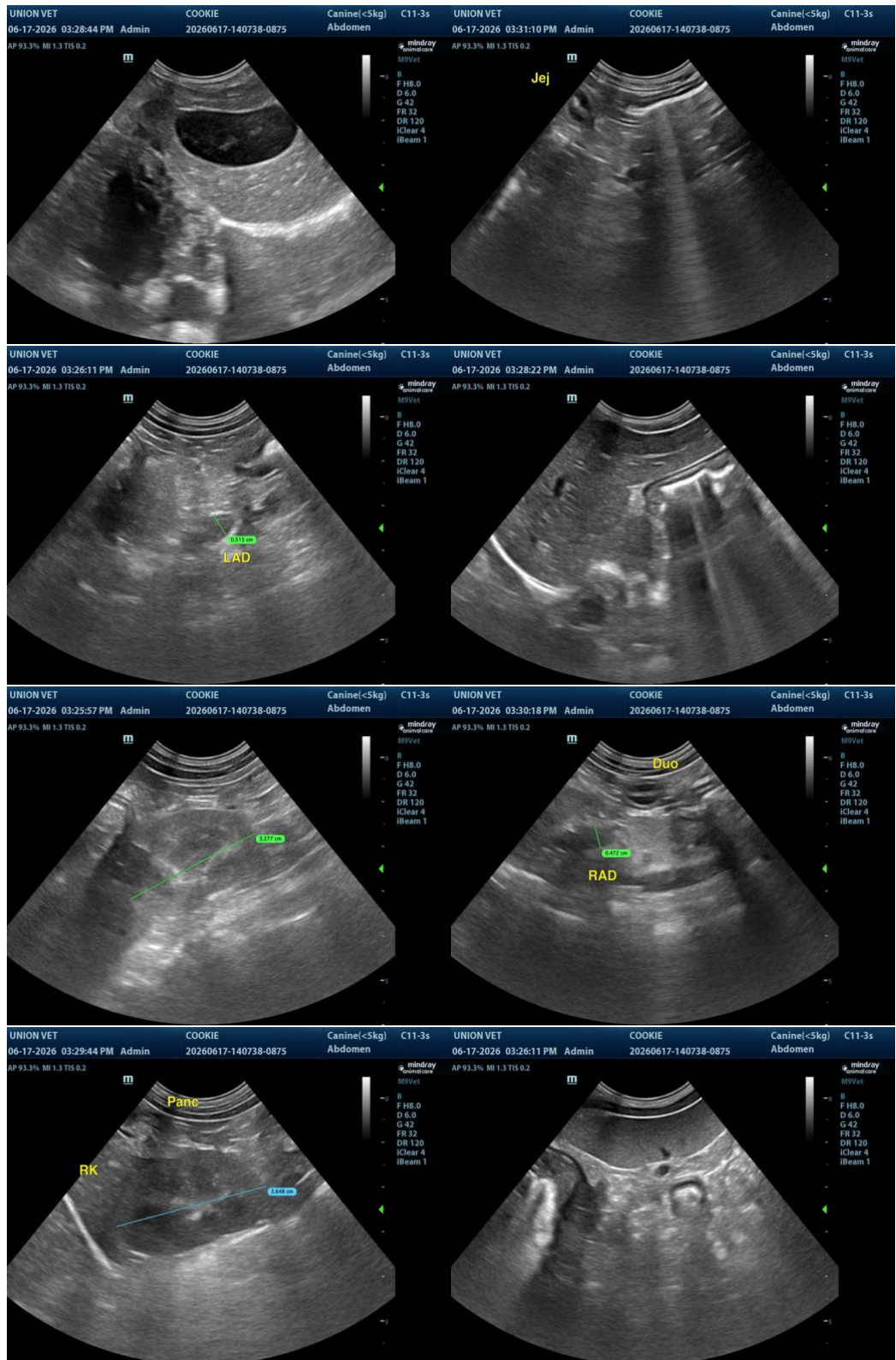
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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](mailto:info@SonoPath.com)