



## PATIENT

Wilbur Leslie

## SPECIES

Canine

## BREED

Lab

## SEX

MN

## AGE

3yr

## WEIGHT

36.1kg

## INTERPRETED BY

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

## IMAGING PERFORMED BY

Dr Caroline Tan

## HOSPITAL NAME

Douglas Square Pet  
Clinic

## REFERRING VET

Dr Gagan Singla

## INVOICE 23529

DATE  
01/12/2026

## PRESENTING CLINICAL SIGNS

“Abdominal ultrasound to evaluate liver size, health, gall bladder health ( in spite of normal liver enzymes and function testing). - very small liver, both Oct 02), and last radiographs performed in March “ No reports of V /D. Eating well. Normal drinking/ thirst. P is BAR. No CS reported.

Abnormal PE/Chem/CBC/UA Results: “V/D Panel (Oct 02) - unremarkable testing, normal cpl. No evidence of a stress leukogram on this panel, nor in the past (March was last episode). - random cortisol WNL “

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Anechoic urine was present in the lumen with no evidence of urine/lumen sediment, mineral, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

Normal size and margination were 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. No evidence of renal mineralization or calculi. The left kidney measured 6.4 cm in length. The right kidney measured 6.3 cm in length.

The area of the aortic trifurcation was free of pathology.

The area of the residual prostate appeared normal and free of pathology.

### Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.69 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 0.54 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 was subjectively subnormal in size. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. Normal vascular volume. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

### Gastrointestinal



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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 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/metabolic ileus, obstruction or foreign material.

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

### **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 was evident.

### **Free Abdomen**

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

## ULTRASONOGRAPHIC FINDINGS

### **Primary**

- Sonographically unremarkable, yet subnormal liver.
- Normal gallbladder.
- Normal bilateral adrenal glands.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given reported normal liver enzymes and liver function testing, the subnormal liver size may be a patient variant. No overt evidence of intrahepatic or extrahepatic macroscopic shunt in conjunction with lack of renal or urinary bladder mineral / calculi.

Continued monitoring of liver function or for clinical signs consistent with hepatopathy is recommended. Periodic recheck of resting cortisol level is suggested if persistent lack of stress leukogram.



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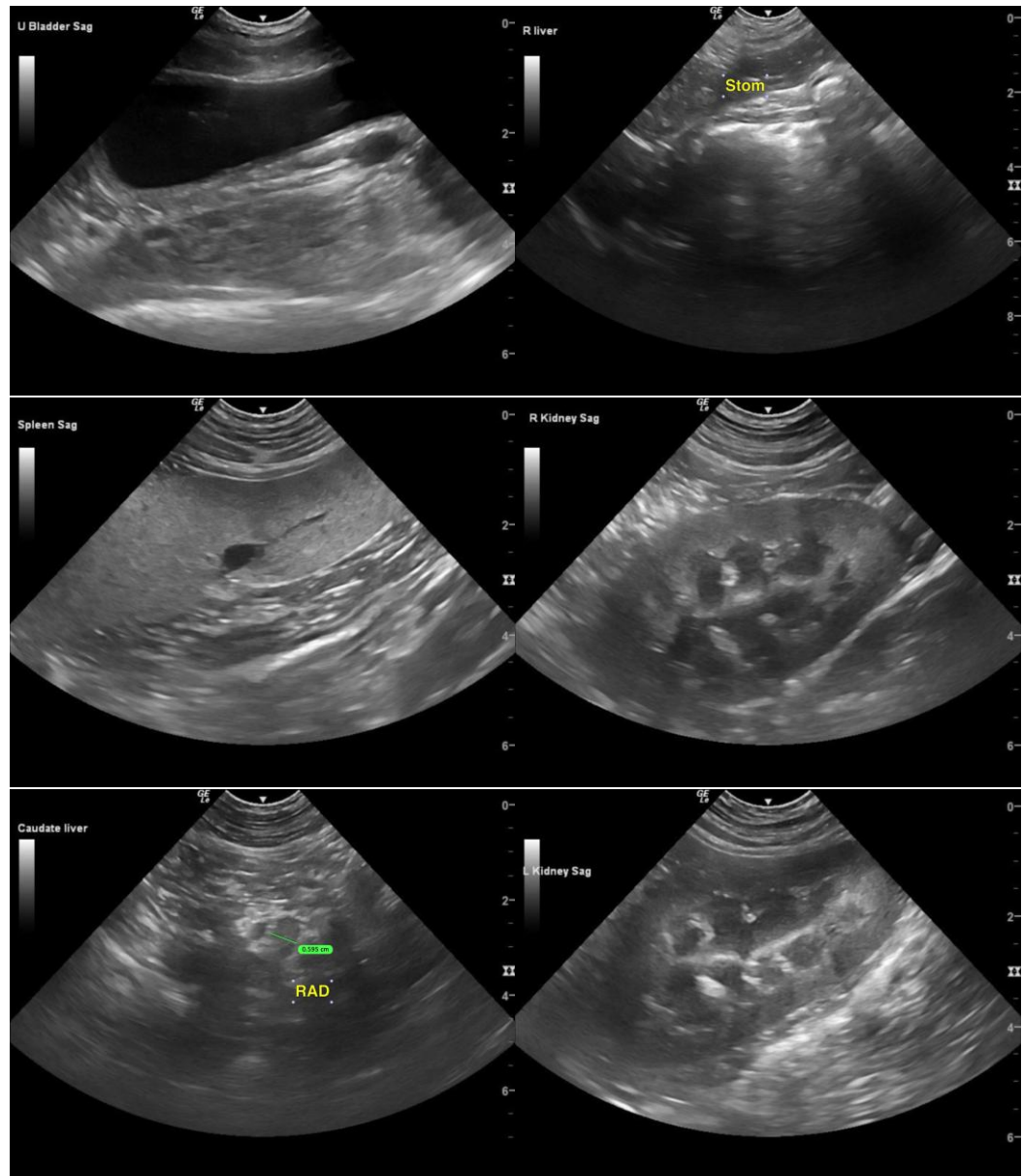
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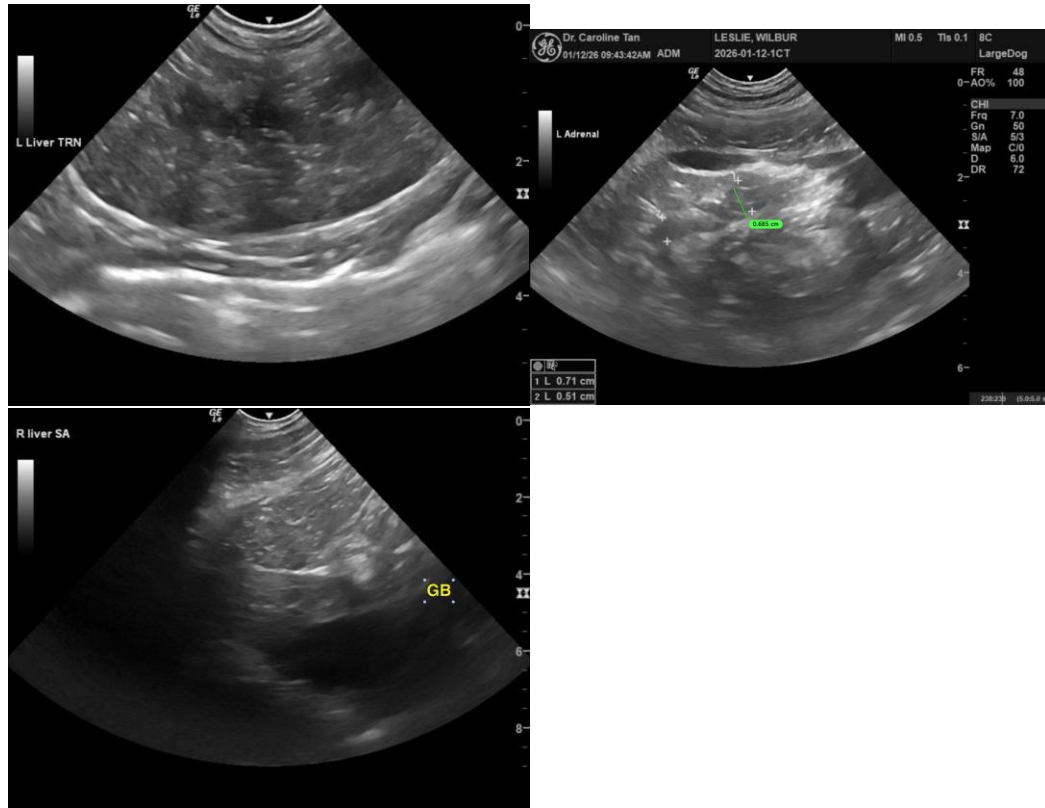
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)