



PATIENT

Oreo Salamat

SPECIES

Canine

BREED

Shih Tzu

SEX

MI

AGE

2.5yr

WEIGHT

7.1kg

INTERPRETED BY

Remo Lobetti, BVSc,
MMedVet (Med), PhD,
Dipl. ECVIM

IMAGING PERFORMED BY

Carlie Koltek, RVT

HOSPITAL NAME

Tuxedo Animal
Hospital

REFERRING VET

Dr. Kulczycki

INVOICE

23880

DATE

02/13/2026

PRESENTING CLINICAL SIGNS

- Liver enzymes increased on pre-anesthetic bloodwork for neuter
- Placed on liver supplement
- Abnormal PE/Chem/CBC/UA Results: October 30 2025: ALB 50g/L (23-40) ALT 231 U/L (10-125) ALKP 10 U/L (23-212) November 28 2025: ALB 40g/L (23-40) ALT 233 U/L (10-125) ALKP <10 U/L (23-212)

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Full urinary bladder with a normal thickness and smooth appearance of the wall. Normal anechoic urine with no sediment or uroliths evident.

Normal appearance of the trigone area, proximal urethra, and iliac blood vessels.

Normal appearance and size of the iliac lymph nodes. Ureters not visualized, which can be considered a normal finding.

Normal renal size, architecture, echogenic appearance, cortico-medullary differentiation, which maintains a 1:3 cortex to medulla ratio, pelvis, and capsule. No infarcts, mineralization or renoliths evident.

The left kidney measured 4.5 cm in length.

The right kidney measured 4.8 cm in length.

Normal size and appearance of the prostate measuring 1.3 cm x 1.9 cm. Normal size and appearance of both testicles. The left measured 2.8 cm in length. The right measured 3 cm in length.

Adrenal Glands

Normal shape, echogenic appearance, size, position, and appearance of the visible peri-renal vasculature.

The left adrenal gland measured 0.34 and 0.33 cm in width.

The right adrenal gland measured 0.47 cm in width.

Spleen

Normal size and echogenic appearance. Smooth homogenous parenchyma and regular curvilinear capsule. Normal volume of the splenic vasculature without any overt congestion or thrombosis evident. No inflammatory, neoplastic, infarction, or infiltrative changes evident. The spleen measured 0.8 cm in width.

Liver

Normal size, echogenic appearance, portal markings, and regular curvilinear capsule. No nodules or masses evident. Normal appearance of the hepatic and portal vasculature.

Gallbladder



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Full containing normal anechoic bile. Normal thickness and echogenic appearance of the wall. Normal size and appearance of the cystic and common bile duct.

Gastrointestinal

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Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, 1:3 muscularis to mucosa ratio, normal wall thickness and peristaltic activity, and no distension of the lumen. Fecal material present within the colon.

Pancreas

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Normal size and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

Free Abdomen

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Normal mesenteric lymph nodes.

No ascites evident.

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ULTRASONOGRAPHIC FINDINGS

- Normal ultrasound of the abdomen

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

7.1kg

On this ultrasound there is no obvious etiology for the elevated ALT activity. Although the liver appears ultrasonographically normal with a mildly elevated ALT activity, an underlying hepatopathy such as reactive hyperplasia, vacuolar and metabolic should be considered.

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Further assessment would be FNA cytology of the liver, however a true cut or which biopsy may be required for a final etiological diagnosis. Specific therapy would be dependent on an etiological diagnosis. Symptomatic management that could be considered would be the use of ursodiol with regular monitoring of liver enzyme activity.

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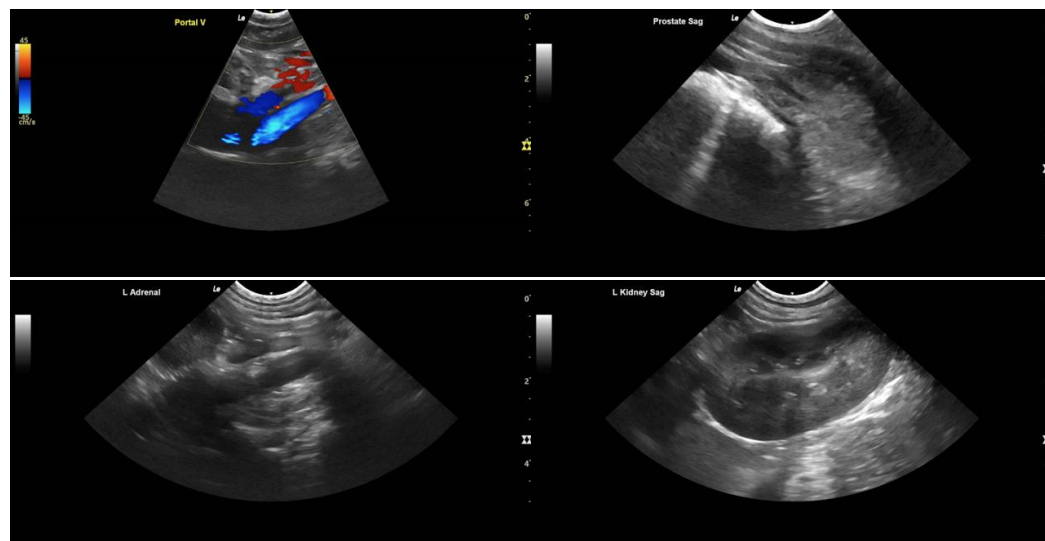
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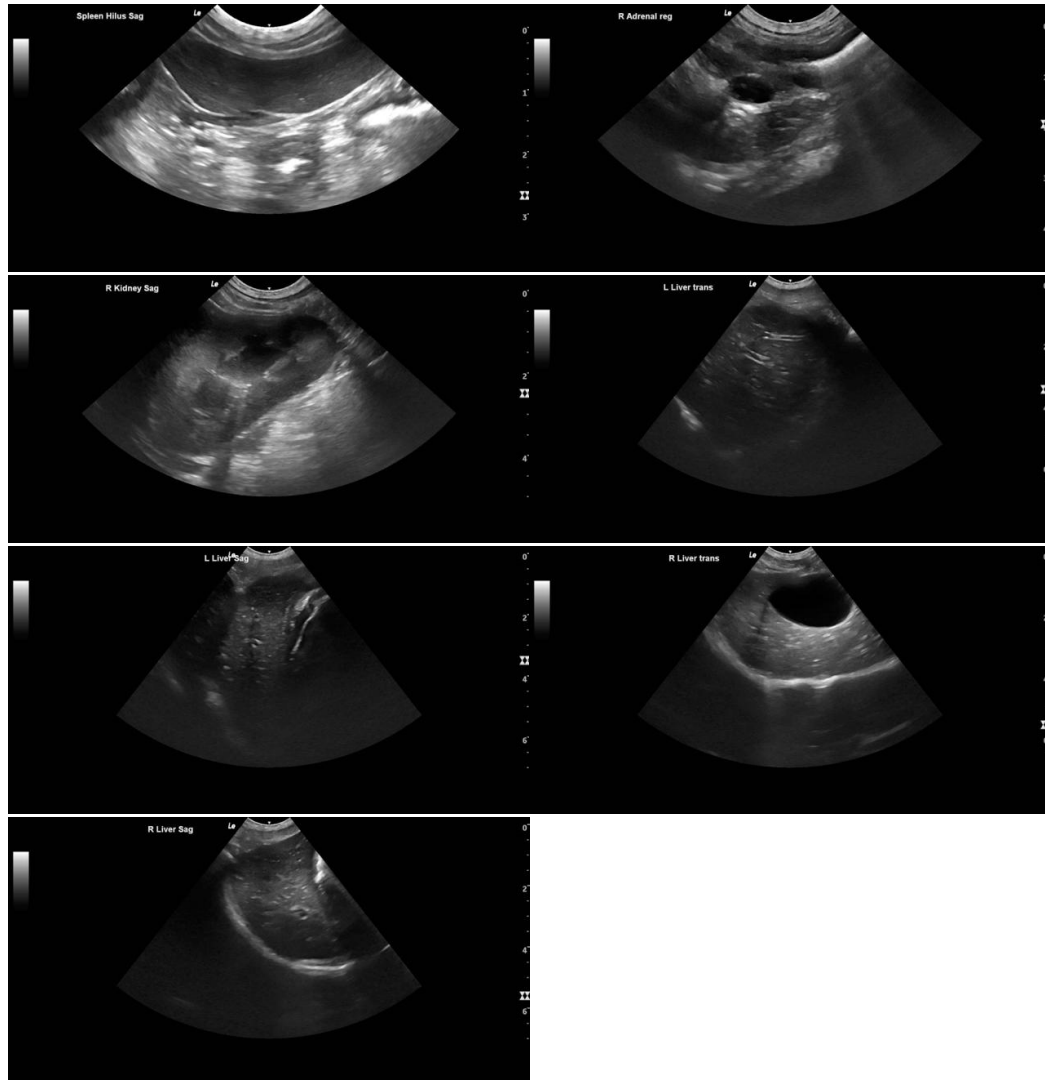
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM (Internal Medicine)

info@sonopath.com



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