



## PATIENT

Azazel Kovacs

## SPECIES

Feline

## BREED

Domestic Shorthair

## SEX

Neutered male

## AGE

4 years

## WEIGHT

14.08 lbs

## INTERPRETED BY

Dr. Alicia Angosto  
Guerrero

## IMAGING PERFORMED BY

Renee Ziegler Post

## HOSPITAL NAME

For Cats Only VC

## REFERRING VET

Dr. Renee Ziegler Post

## INVOICE

71868

## DATE

2/24/26

## PRESENTING CLINICAL SIGNS

- Elevated ALT
- On Clavamox (Amoxicillin / Clavulanate Potassium) Chewable Tablets 62.5-mg - tablet every 12 hours
- ALT 160 (ALT 296 Feb. 2024, and was not on clavamox at the time)

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The urinary bladder lumen is normally distended, and the wall appears thin and smooth. The urine is predominantly anechoic with scant suspended echoes. The bladder neck and proximal urethra appear normal. No calculi are identified, and there is no evidence of inflammatory or neoplastic changes.

The left kidney is normal in shape and size: 4.14x2.68 cm, and the cortical thickness is 0.51 cm in the sagittal plane. The cortex is isoechoic compared to the liver parenchyma. The corticomedullary ratio is normal, and corticomedullary definition is preserved. There is no evidence of pyelectasia, nephrolithiasis, or hydronephrosis. Color Doppler demonstrates a normal vascular pattern.

The right kidney is normal in shape and size: 4.25x2.35 cm, and the cortical thickness is 0.50 cm in the sagittal plane. The cortex is isoechoic compared to the liver parenchyma. The corticomedullary ratio is normal, and corticomedullary definition is preserved. There is no evidence of pyelectasia, nephrolithiasis, or hydronephrosis. Color Doppler demonstrates a normal vascular pattern.

### Adrenal Glands

Dorsoventral diameters measured in the sagittal plane: The left adrenal gland measures 0.27 cm at the cranial pole and 0.28 cm at the caudal pole. A small focal mineralization is observed at the caudal pole. The right adrenal gland is not clearly visualized.

### Spleen

Splenic thickness is 0.74 cm. The parenchyma demonstrates normal echogenicity and a fine homogeneous echotexture without focal abnormalities. The splenic capsule is smooth and regular.

### Liver

The liver is subjectively normal in size, with sharp edges and a regular contour. The parenchyma is uniform and isoechoic compared to the falciform fat, with normal echotexture. No hepatic lymphadenopathy is observed.

The gallbladder lumen is normally distended. The wall is thin, and the contents are predominantly anechoic. No dilation of the cystic duct or common bile duct is observed.



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## *Gastrointestinal*

The stomach is empty and folded, containing liquid and gas, with mural thickness of 1.45 mm and preserved wall layering.

Pylorus: 2.53 mm. Duodenum: 1.70 mm. Jejunum: 1.93 mm. Mucosa: 1.16 mm. Submucosa: 0.50 mm. Muscularis propria: 0.36 mm Ileum: 1.81 mm. Mucosa: 0.73 mm. Submucosa: 0.75 mm. Muscularis propria: 0.40 mm. Wall layering is preserved throughout. The ileocecal junction measures 2.72 mm, with muscularis thickness of 0.51 mm. No evidence of inflammation, ileus, or foreign material is identified.

Colon: ascending colon measures 0.67 mm, with formed feces in the lumen.

## *Pancreas*

Thickness: 5.67 mm. Pancreatic parenchyma is isoechoic relative to the adjacent omental fat. The pancreatic duct measures 0.91 mm in diameter. No sonographic evidence of active inflammation or neoplastic disease is identified.

## *Peritoneal Cavity*

No sonographic evidence of abdominal effusion, peritonitis, or lymphadenomegaly is identified. The iliac trifurcation appears normal.

## ULTRASONOGRAPHIC FINDINGS

- Borderline muscularis prominence at the ileum (ratio 0.55), clinically nonspecific.
- Small focal mineralization at the caudal pole of the left adrenal gland.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The liver is sonographically normal in size, echogenicity, and echotexture, with no biliary dilation. In cats, ALT elevation may occur in the absence of ultrasonographic abnormalities, particularly with mild or early hepatocellular injury. The decreased ALT compared to previous values suggests either partial biochemical improvement or fluctuation rather than progressive structural disease.

The gastrointestinal tract measurements are within accepted reference ranges for a cat of this size. The jejunal muscularis-to-mucosa ratio is within normal limits. The ileal ratio (0.55) is at the upper limit of normal to mildly increased, but remains borderline and without loss of layering or focal thickening. Overall, these findings are nonspecific and do not support a diagnosis of IBD or lymphoma at this time.

The left adrenal gland is within normal size limits for a cat. The small focal mineralization at the caudal pole is most consistent with incidental dystrophic mineralization and is unlikely to be clinically significant.



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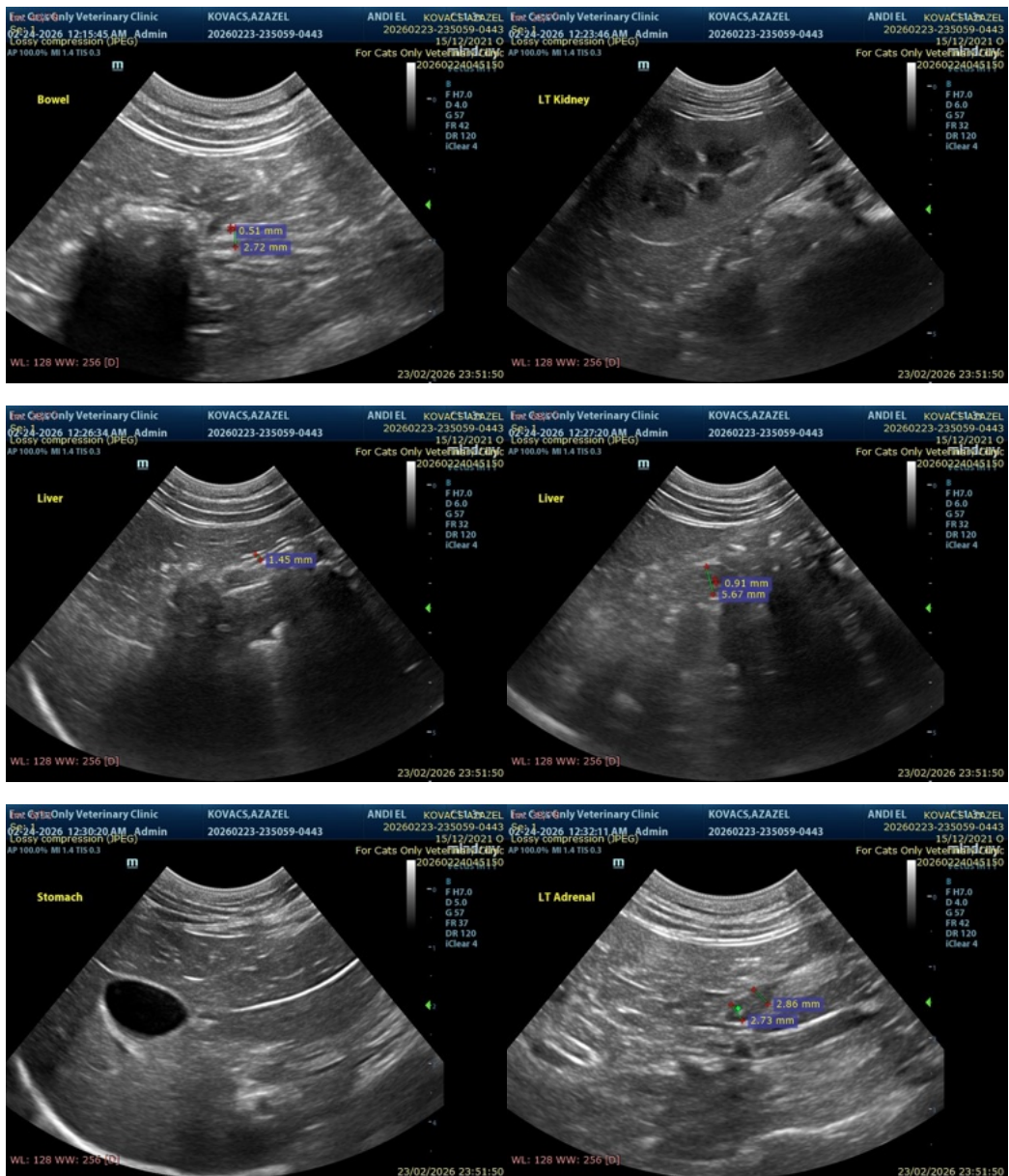
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**Recommendations**

Given the normal hepatic ultrasonographic appearance, continued biochemical monitoring of ALT is appropriate. If ALT remains persistently elevated or increases, further evaluation (including bile acids or targeted hepatic testing) may be considered.





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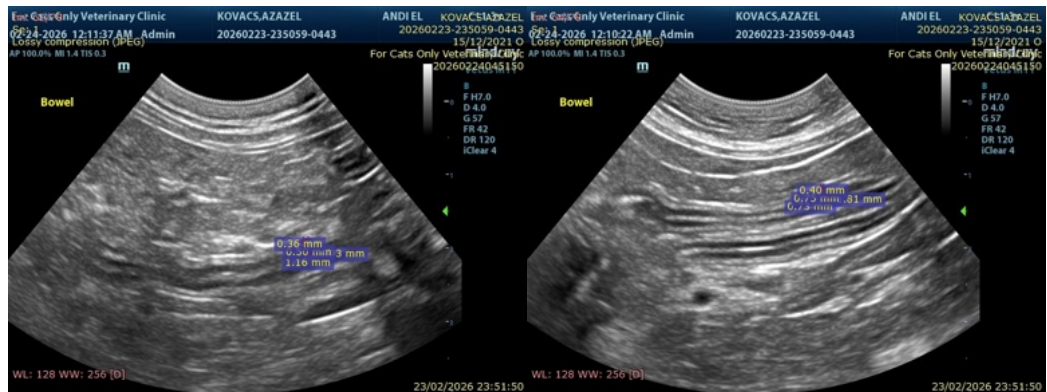
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Alicia Angosto Guerrero, DMV, PgDip, MSc.

MV Esp Ultrasound in Domestic and Wild Animals

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