



## PATIENT

Oscar Levine

## SPECIES

Feline

## BREED

Russian Blue

## SEX

Neutered male

## AGE

13 years

## WEIGHT

14.8 lbs

## INTERPRETED BY

Alicia Angosto  
Guerrero, DMV,  
PgDip, MSc.

## IMAGING PERFORMED BY

Arch Gordon

## HOSPITAL NAME

Coral Ridge AH

## REFERRING VET

Dr. Gordon

## INVOICE

74313

## DATE

4/8/26

## PRESENTING CLINICAL SIGNS

History: Chronic diarrhea - not responsive to Provable, Metronidazole  
Fecal including Giardia negative. Hyperthyroidism- controlled. T4 normal Feb 16 2026. Labwork in Dec 2025 normal. Weight has been stable. Patient is on CD diet

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### *Urinary System*

The urinary bladder is normally distended, with a thin and smooth wall. The urine is predominantly anechoic with scant suspended echoes. The bladder neck and proximal urethra have a normal appearance. No calculi are identified, and there is no ultrasonographic evidence of inflammatory or neoplastic disease.

The left kidney is normal in shape and size (4.67×2.48 cm), with a cortical thickness of 0.42 cm in the sagittal plane. The right kidney is normal in shape and size (4.58×2.60 cm), with a cortical thickness of 0.46 cm in the sagittal plane. In both kidneys, the cortex is mildly hyperechoic compared to the liver parenchyma. The corticomedullary ratio is within normal limits, and corticomedullary definition is preserved. There is no evidence of pyelectasia, nephrolithiasis, or hydronephrosis.

### *Adrenal Glands*

Both adrenal glands show normal shape and echogenicity. Dorsoventral diameters measured in the sagittal plane: The left adrenal gland measures 0.38 cm at the cranial pole and 0.41 cm at the caudal pole. The right adrenal gland measures 0.40 cm at the cranial pole and 0.34 cm at the caudal pole.

### *Spleen*

Splenic thickness is 0.92 cm. The parenchyma demonstrates normal echogenicity and fine homogeneous echotexture without focal parenchymal abnormalities. The splenic capsule is smooth and regular.

### *Liver*

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

The gallbladder lumen is normally distended. The wall is 1.83 mm, and the contents are primarily anechoic. No evident dilation of the cystic duct or common bile duct is observed.

### *Gastrointestinal*

The stomach is empty and folded, with a wall thickness of 2.14 mm and preserved layering. The pylorus measures 4.30 mm. The duodenum measures 1.94 mm. The jejunum measures 2.93 mm in total



## PATIENT

Oscar Levine

## SPECIES

Feline

## BREED

Russian Blue

## SEX

Neutered male

## AGE

13 years

## WEIGHT

14.8 lbs

## INTERPRETED BY

Alicia Angosto  
Guerrero, DMV,  
PgDip, MSc.

## IMAGING PERFORMED BY

Arch Gordon

## HOSPITAL NAME

Coral Ridge AH

## REFERRING VET

Dr. Gordon

## INVOICE

74313

## DATE

4/8/26

thickness; mucosa 1.56 mm, submucosa 0.59 mm, and muscularis propria 0.72 mm. The ileum measures 1.96 mm in total thickness, with mucosa 0.57 mm, submucosa 0.54 mm, and muscularis propria 0.74 mm. Wall layering is preserved throughout. The ileocecal junction is not visualized. The colon measures 0.98 mm and contains formed feces in the descending segment.

## *Pancreas*

The evaluated pancreatic areas do not show evidence of overt inflammation or neoplastic disease.

## *Free Abdomen*

No abdominal effusion is identified. A small focal region of mildly increased mesenteric echogenicity is noted between intestinal loops. Cranial mesenteric lymph nodes measure 2.75 mm and are normal in shape and echogenicity. Ileocecal lymph nodes are not visualized, and the surrounding regions appear unremarkable. The iliac trifurcation appears normal.

## PRIMARY FINDINGS

- Mild relative thickening of the jejunal and ileal muscularis layers.
- Mild focal increase in mesenteric echogenicity.

## SECONDARY FINDINGS

- Mild bilateral renal cortical hyperechogenicity.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

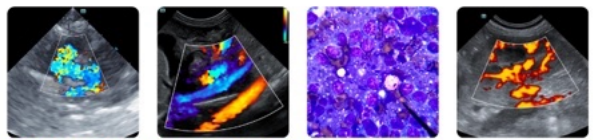
This study demonstrates mild but consistent intestinal changes, characterized by relative thickening of the muscularis layer in both the jejunum and ileum, with preserved wall layering and overall wall thickness within normal limits. The muscularis-to-mucosa ratio in the jejunum is approximately 0.46, which is within acceptable limits but at the upper end of normal. In the ileum, the ratio  $\approx 1.3$ , indicating disproportionate muscularis thickening at this level.

This pattern is subtle but clinically meaningful, and is recognized in cats with chronic enteropathy, including inflammatory bowel disease and low-grade (small cell) lymphoma. The preservation of wall layering, absence of marked thickening, and lack of significant lymphadenopathy argue against high-grade or aggressive infiltrative disease.

The mild focal increase in mesenteric echogenicity may reflect low-grade inflammatory change, further supporting a chronic enteropathic process.

## Recommendations

- A strict dietary trial with a novel protein or hydrolyzed diet is recommended if feasible.



**PATIENT**

Oscar Levine

**SPECIES**

Feline

**BREED**

Russian Blue

**SEX**

Neutered male

**AGE**

13 years

**WEIGHT**

14.8 lbs

**INTERPRETED BY**

Alicia Angosto  
Guerrero, DMV,  
PgDip, MSc.

**IMAGING PERFORMED BY**

Arch Gordon

**HOSPITAL NAME**

Coral Ridge AH

**REFERRING VET**

Dr. Gordon

**INVOICE**

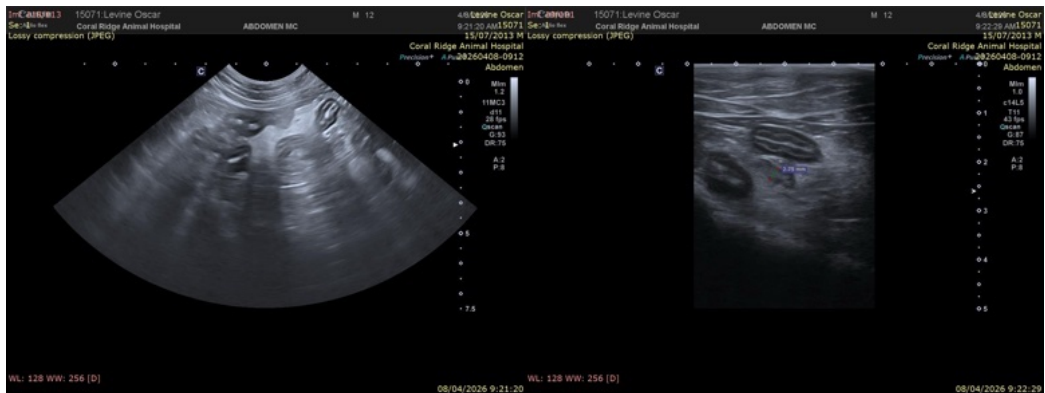
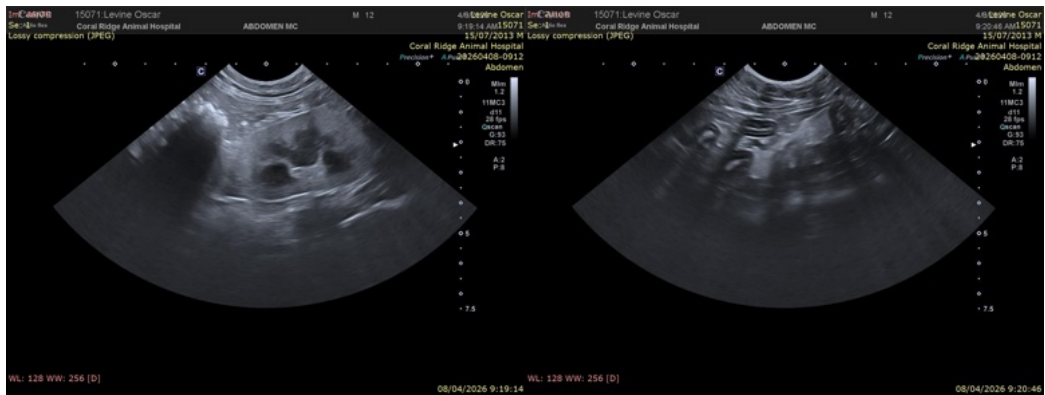
74313

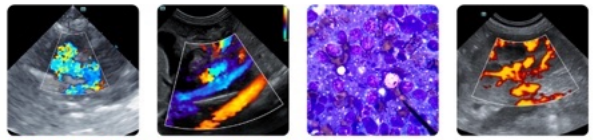
**DATE**

4/8/26

- Assessment of serum cobalamin (± folate) is advised, with supplementation as indicated.
- Follow-up ultrasound may be considered to assess progression.
- If clinical signs persist despite appropriate dietary management, intestinal biopsy should be considered for definitive diagnosis.

Final diagnostic and therapeutic decisions should be made by the attending veterinarian, who can best integrate these findings with the patient's clinical status.





## PATIENT

Oscar Levine

## SPECIES

Feline

## BREED

Russian Blue

## SEX

Neutered male

## AGE

13 years

## WEIGHT

14.8 lbs

## INTERPRETED BY

Alicia Angosto Guerrero, DMV,  
PgDip, MSc.

## IMAGING PERFORMED BY

Arch Gordon

## HOSPITAL NAME

Coral Ridge AH

## REFERRING VET

Dr. Gordon

## INVOICE

74313

## DATE

4/8/26



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.

[info@SonoPath.com](mailto:info@SonoPath.com)