



PATIENT

Bella Mirami

SPECIES

Canine

BREED

French Bulldog

SEX

Spayed Female

AGE

3 years old

WEIGHT

25 lbs

INTERPRETED BY

Kathleen Sennello DVM,
MS, Diplomate ACVIM
(Small Animal Internal
Medicine)

IMAGING PERFORMED BY

Dr. Elaina Petrone

HOSPITAL NAME

Long Branch Animal
Hospital

REFERRING VET

Dr. Elaina Petrone

INVOICE

10725

DATE

11/11/2025

PRESENTING CLINICAL SIGNS

Clinically healthy patient with ALT 831 on routine annual lab work, vaccinated for leptospirosis. Bile acids pending.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder is moderately distended with anechoic urine. The bladder wall, trigone, ureteral papillae and visible urethra (to a depth of 2cm) appear normal with no evidence of wall thickening, mucosal irregularities, masses or cystic calculi.

The left kidney has a normal shape and size (4.65 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of focal perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

The right kidney has a normal shape and size (4.39 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of focal perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

Adrenal Glands

The left adrenal gland is normal in size measuring 0.44 cm at the cranial pole and 0.53 cm at the caudal pole. It is observed in its normal position cranial to the left renal artery. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

The region of the right adrenal (between right cranial kidney and vena cava) is unremarkable, but the adrenal is not distinctly visualized. No evidence of a mass effect.

Spleen

The spleen is subjectively normal in size (1.43 cm) and the echotexture is homogenous. The splenic capsule is smooth with no visible irregularities. The blood flow through the hilus and splenic parenchyma appears normal.

Liver

The liver is normal/borderline small in size, and echogenicity with smooth peripheral margins. The parenchyma is homogenous echotexture. The visible portions of the vasculature and biliary tract appear normal. No focal nodules or cystic lesions are observed.

The gall bladder lumen is moderately distended. The wall of the gall bladder is not thickened and has a smooth mucosal surface. Luminal contents are mild and likely incidental at this time. The cystic and common bile ducts are normal/not visible.

Gastrointestinal

The stomach is moderately dilated with fluid and irregular shadowing material most consistent with normal ingesta and gas. It measures at a normal thickness of <0.7cm with some variability due to the presence of rugal folds. The distinction of the gastric wall layering is adequate and there is no



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impression of reduced peristaltic activity. Shadowing ingesta prevents full evaluation of the stomach, and some areas of the cranial abdomen.

The visualized areas of duodenum, jejunum and ileum have a relatively uniform diameter with minimal fluid distension. Wall thickness is normal. Bowel loops follow a curvilinear path with distinct wall layering maintaining the typical 1:3 muscularis:mucosa layer ratio. The duodenum measured as normal (0.37 cm in wall thickness) and the jejunum measured as normal (0.27 cm.) Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

Sections of colon are visualized with formed fecal material and gas shadowing distally. There is no observed focal or generalized colon wall thickening or loss of layering.

Pancreas

The pancreas is normal and isoechoic to surrounding mesentery. There is no evidence of nodules or cystic lesions. There is no evidence of regional mesenteric inflammation or fluid.

Free Abdomen

Evaluation of the peritoneal cavity did not reveal any evidence of effusion, or subjective lymphadenomegaly. The Medial iliac nodes appear normal and there was no evidence of a caudal aortic thrombus at the bifurcation. The omentum is of normal uniform echogenicity.

ULTRASONOGRAPHIC FINDINGS

- Borderline small liver. Significance of this is uncertain. Correlate with abdominal radiographs. Possible differentials could include anatomic variation, chronic liver disease/cirrhosis, portosystemic shunt, other.
- Shadowing ingesta visualized within the gastric lumen. Correlate with the feeding history. If the patient was adequately fasted, this could indicate delayed gastric emptying, ingested foreign material, etc.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Changes observed on today's scan are relatively mild. Subjectively, the liver appears normal/borderline small in size. No focal lesions are identified. Recommend pre- and post-prandial bile acids to assess liver function (I think this is pending.) IF values are very elevated (>80) you could consider a contrast CT scan to look for a portosystemic shunt. No evidence of a shunt was visualized on today's exam, but this does not definitively rule out the possibility.

Additionally, you could consider empirical treatment for acute liver injury with a course of ursodiol, denamarin, and antibiotics. If the ALT remains elevated, and a liver shunt is non suspected, then biopsies of the liver with samples for histopathology, culture, and copper levels may be warranted.



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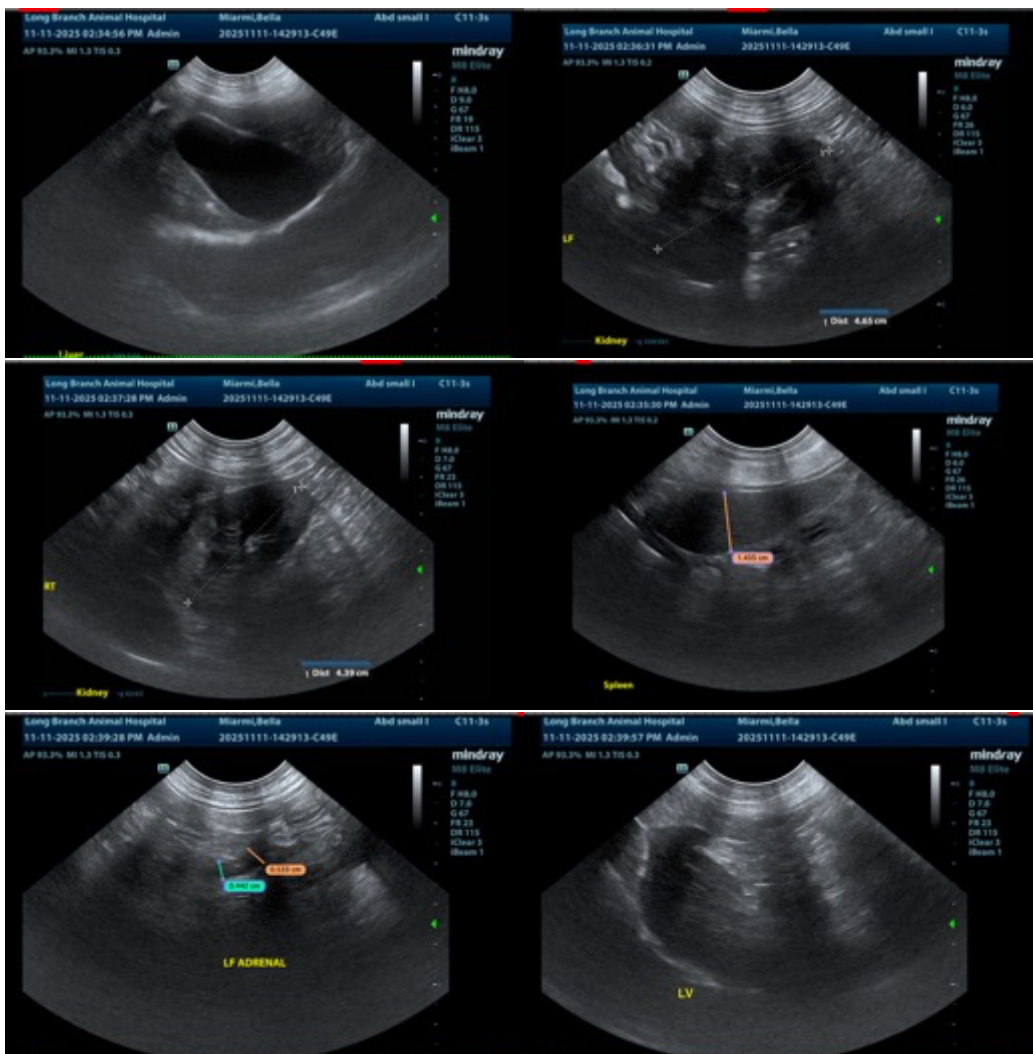
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Kathleen Sennello DVM,MS, Diplomate ACVIM (Small animal Internal Medicine)

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