



PATIENT

Lucky O'Brien

SPECIES

Canine

BREED

Mixed

SEX

MN

AGE

4.5 years

WEIGHT

62 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Sorbo

HOSPITAL NAME

Mill Brook AC - VBF

REFERRING VET

Dr. Sorbo

INVOICE

15902

DATE

1/24/23

PRESENTING CLINICAL SIGNS

Ongoing LFT elevation. No relevant history beyond being a high FAS dog. Abnormal PE/Chem/CBC/UA Results: For the past six months, ALT fluctuation in the 200-600 range. Recent labs in December: AST 85 ALT 320 AlkP 134 Remainder of the labs nsf.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no sediment or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

The residual prostate was free of pathology.

The area of the aortic trifurcation was free of pathology.

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. The left kidney measured 6.4 cm in length. The right kidney measured 6.1 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.6 cm length x 0.65 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 2.4 cm length x 0.75 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 of subjective normal size with symmetrical capsule contour and normal hepatic parenchyma echogenicity exhibiting moderate coarse echotexture. Subtle increased yet indistinct portal vascular borders were noted with no hepatic masses or nodules. No overt pathology was noted in the area of the gallbladder and common bile duct, although not definitively visualized.

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. Mild variably echogenic focally shadowing ingesta was present.



PATIENT

Lucky O'Brien

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 ileus, obstruction, or foreign material.

SPECIES

Canine

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

BREED

Mixed

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 were evident.

SEX

MN

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

AGE

4.5 years

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Nonspecific yet benign hepatopathy

WEIGHT

62 lbs.

Secondary Findings

- Mild variably echogenic focally shadowing gastric ingesta

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The overall liver was nonspecific yet may suggest nonspecific inflammatory parenchymal disease, given the variable yet chronic ALT / AST elevation. No overt evidence of post-hepatic obstructive criteria.

IMAGING PERFORMED BY

Dr. Sorbo

Assuming normal clotting status, screening FNA cytology is warranted for further assessment and potential identification of inflammatory cell type, if present. No overt evidence of a portosystemic vascular anomaly. Hepatic functionality is likely normal, assuming normal albumin, glucose, BUN, and cholesterol levels. Leptospirosis titers / PCR is suggested if clinically applicable. Hepatosupportive medications including Denamarin and Ursodiol may prove beneficial. Hepatic core surgical biopsy is likely required for a definitive diagnosis and may be considered if progressive to persistent ALT/AST elevation.

HOSPITAL NAME

Mill Brook AC - VBF

REFERRING VET

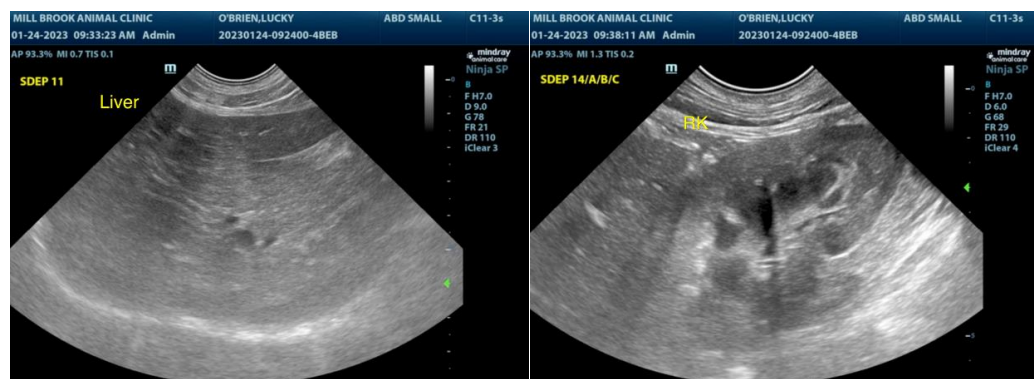
Dr. Sorbo

INVOICE

15902

DATE

1/24/23





PATIENT

Lucky O'Brien

SPECIES

Canine

BREED

Mixed

SEX

MN

AGE

4.5 years

WEIGHT

62 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Sorbo

HOSPITAL NAME

Mill Brook AC - VBF

REFERRING VET

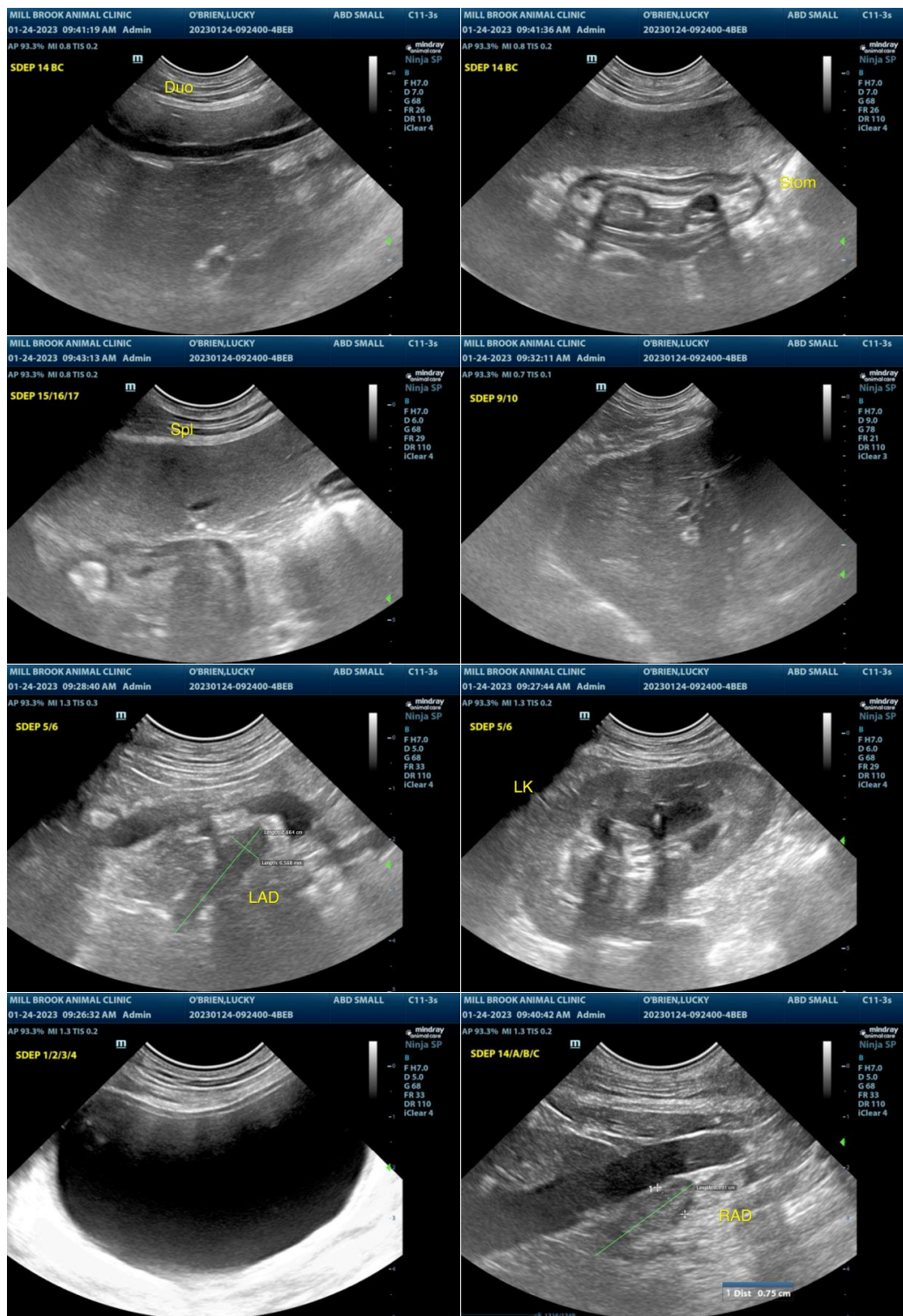
Dr. Sorbo

INVOICE

15902

DATE

1/24/23



The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology



PATIENT

Lucky O'Brien

SPECIES

Canine

BREED

Mixed

SEX

MN

AGE

4.5 years

WEIGHT

62 lbs.

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Sorbo

HOSPITAL NAME

Mill Brook AC - VBF

REFERRING VET

Dr. Sorbo

INVOICE

15902

DATE

1/24/23

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