



PATIENT PRESENTING CLINICAL SIGNS

Jasmyn Baxter Changes to liver values on routine bloodwork. Currently on Clavaseptin and Hepatosyl LQ Snap
Abnormal PE/Chem/CBC/UA Results: Elevated ALT 786 (6-118) during routine bloodwork for spay surgery.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Bernese Mtn Dog

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 uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

SEX

Intact Female

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 6.6 cm. The right kidney measured 6.0 cm.

AGE

5 Years

Adrenal Glands

WEIGHT

36.3 kg

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.1 cm length x 0.43 cm at the caudal pole. The right adrenal gland was indistinctly visualized owing to patient size, yet without evidence of pathology, subjectively measuring 2.2 cm length x 0.66 cm at the caudal pole.

Spleen

INTERPRETED BY

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

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

IMAGING PERFORMED BY

Crystal Hill

The liver was subjectively normal in size with maintained symmetrical hepatic contour. Normal, primarily uniform hepatic parenchyma echogenicity with mild coarse echotexture and subtle increased prominence of portal vasculature borders. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

HOSPITAL NAME

Burlington Lakeshore

Gastrointestinal

REFERRING VET

Dr. Aziz

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained primarily echogenic to focally shadowing ingesta most consistent with post prandial presentation without signs of ileus, obstruction or foreign material.

INVOICE

25160

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.

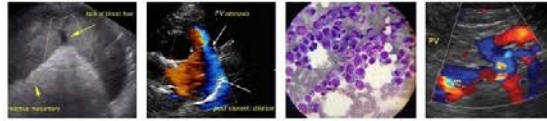
DATE

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

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 was evident.



PATIENT

Reproductive Tract

Jasmyn Baxter

No overt pathology in the area of the uterus or bilateral ovaries.

SPECIES

Canine

PRIMARY FINDINGS

- Non-specific hepatopathy – subjectively benign

BREED

Bernese Mtn Dog

SECONDARY FINDINGS

- Mild gastric ingesta – likely post-prandial presentation

SEX

Intact Female

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overall appearance of the liver was non-specific, yet consistent with benign hepatopathy. Given the ALT elevation, inflammatory parenchymal disease such as non-specific hepatitis (infectious, immune mediated), hepatotoxicosis (copper storage hepatopathy), or other hepatopathy possible. No overt evidence of a portosystemic vascular anomaly, which is considered unlikely given the subjective normal hepatic volume and lack of renal or urinary bladder mineral. Fasting and post-prandial bile acids suggested for further assessment of hepatic functionality prior to anesthesia. Leptospirosis titers/PCR may be considered if clinically indicated. Pending bile acid testing, hepatic biopsy is strongly recommended at the time of OHE.

AGE

5 Years

WEIGHT

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PATIENT

Jasmyn Baxter

SPECIES

Canine

BREED

Bernese Mtn Dog

SEX

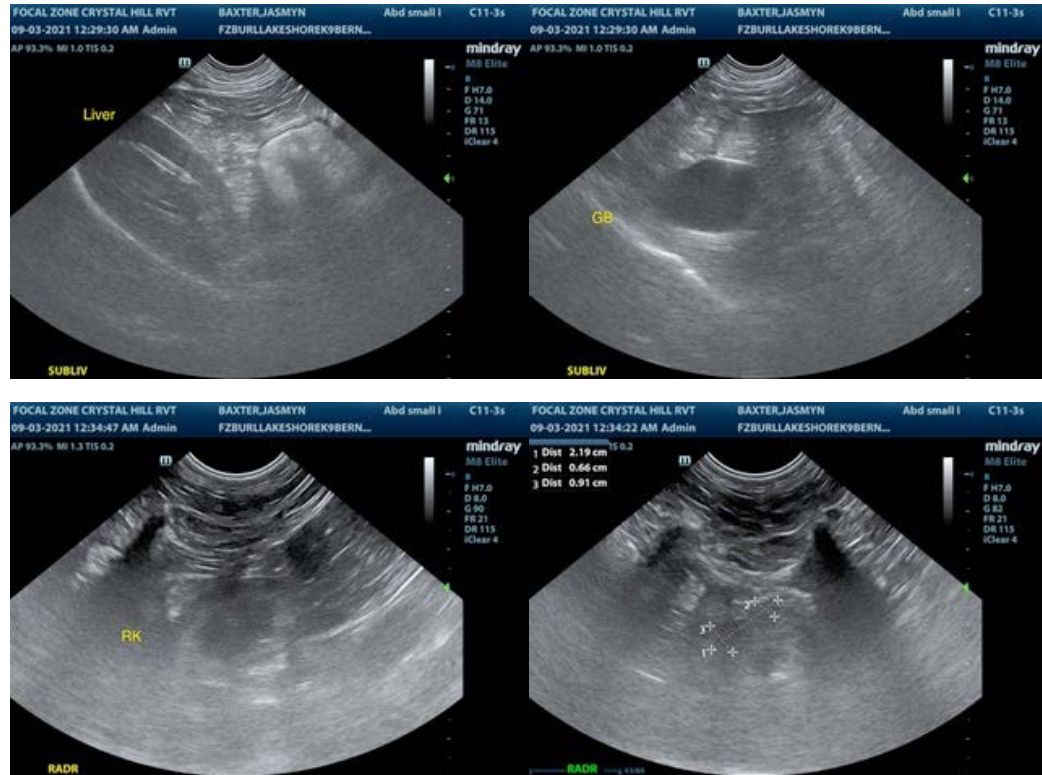
Intact Female

AGE

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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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com