



PATIENT PRESENTING CLINICAL SIGNS

Napoleon White

Found elevated levels during pre-operative bloodwork. Elevated liver enzymes(ALT and ALP) despite medications. Elevated GGT. Currently on Ketorolac Oph and Hepatosyl LQ snap tabs
Abnormal PE/Chem/CBC/UA Results: ALP 728(5-161) ALT 305(6-118) Gamma GT 16(0-7)

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Basset Hound

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 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

Neutered Male

The area of the residual prostate and aortic trifurcation were free of pathology.

AGE

12 Years

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 7.0 cm. The right kidney measured 7.7 cm.

Adrenal Glands

WEIGHT

25 kg

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 3.0 cm length x 0.69 cm at the caudal pole. The left adrenal gland measured 3.2 cm length x 0.69 cm at the caudal pole.

Spleen

INTERPRETED BY

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

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. Areas of medial splenic parenchyma hyperechogenicity as well as mild asymmetrical medial capsule contour present. No splenic masses or nodules. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease.

IMAGING PERFORMED BY

Crystal Hill

Liver

HOSPITAL NAME

Burlington Lakeshore

The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non distended in size with particulate, non-depednent debris. The cystic duct and common bile ducts were normal without evidence of dilation.

REFERRING VET

Dr. Aziz

Gastrointestinal

INVOICE

26722

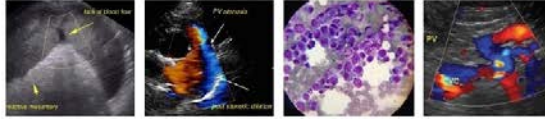
The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild to moderate echogenic ingesta with mild progressive distal acoustic shadowing, most consistent with post prandial presentation without signs of ileus, obstruction or foreign material.

DATE

10/28/21

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.

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



PATIENT *Pancreas*

Napoleon White

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.

SPECIES

Canine

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

BREED

Basset Hound

PRIMARY FINDINGS

- Hepatopathy – subjectively benign
- Minor gallbladder debris (non-mucocele)
- Benign splenic changes with potential for medial capsule fibrosis

SEX

Neutered Male

SECONDARY FINDINGS

- Mild age related kidneys
- Gastric ingesta – probable post-prandial presentation

AGE

12 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

25 kg

The appearance of the liver was non-specific, yet consistent with benign hepatopathy. Potential considerations may include vacuolar hepatopathy and cholestasis given the primarily elevated ALP/GGT combination with potential for primary concurrent inflammatory hepatic parenchyma or hepatobiliary process given the ALT elevation and presence of minor gallbladder debris. No overt evidence of hepatic neoplastic criteria, which is considered unlikely.

INTERPRETED BY

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

Further assessment may include hepatic FNA (assuming normal clotting status) for screening cytology and potential identification of inflammatory cell type (if present), +/- Leptospiriosis titers/PCR if clinically indicated. In addition to current hepatic support, Ursodiol (due to its antioxidant and immunomodulatory effects within the liver) may prove beneficial. No overt anesthetic contraindications assuming normal albumin, glucose, BUN and cholesterol levels.

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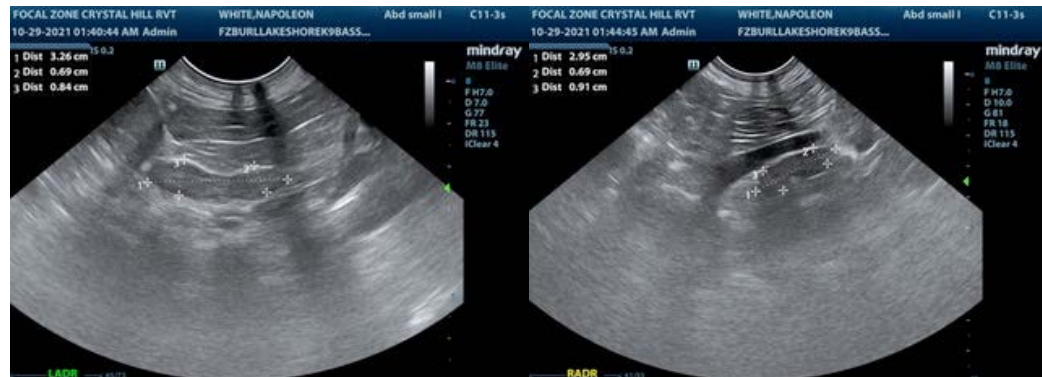
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PATIENT

Napoleon White

SPECIES

Canine

BREED

Basset Hound

SEX

Neutered Male

AGE

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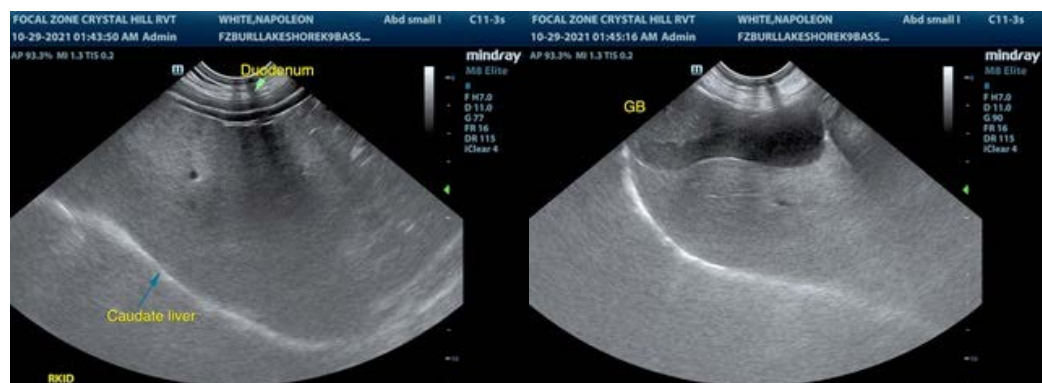
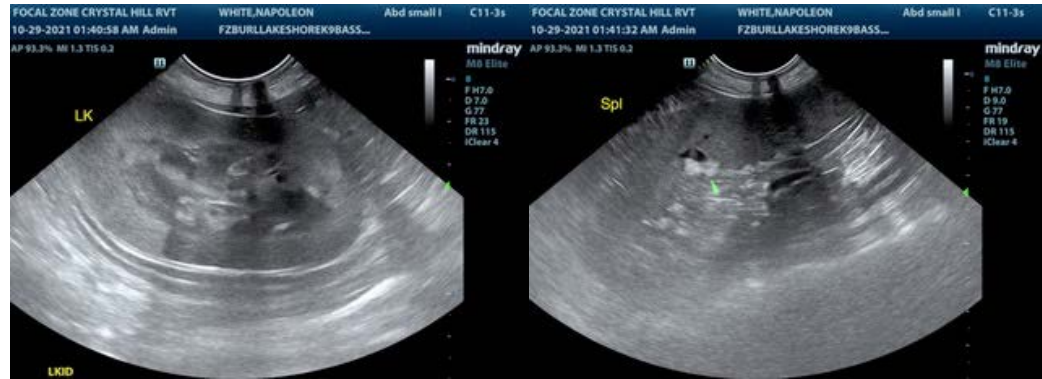
Dr. Aziz

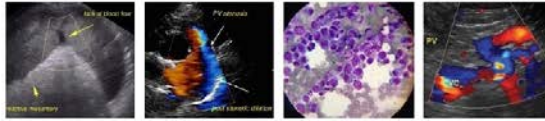
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PATIENT

Napoleon White

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.

SPECIES

Canine

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.

BREED

Basset Hound

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

SEX

Neutered Male

AGE

12 Years

WEIGHT

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