

**PATIENT PRESENTING CLINICAL SIGNS**

Aeriel Lanini Painful tense abdomen. Inappetent. Current Medications cerenia, tramadol  
Abnormal PE/Chem/CBC/UA Results: Alt, alp mildly elevated

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine

**Urinary System**

BREED

Yorkshire

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

No overt pathology in the area of the residual prostate or aortic trifurcation.

AGE

11 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. Subtle pinpoint areas of dystrophic medullary mineral were present. The left kidney measured 3.9 cm. The right kidney measured 3.5 cm.

WEIGHT

13.5 Pounds

**Adrenal Glands**

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 1.6 cm length x 0.45 cm at the caudal pole. The right adrenal gland measured 1.6 cm length x 0.40 cm at the caudal pole.

**INTERPRETED BY**

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

**Spleen**

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. 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. 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**

Jenna Walsh

**HOSPITAL NAME**

Eugene AH

**Liver**

The liver exhibited generalized enlargement. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. Intermittent non-expansive, uniformly echogenic parenchymal nodules were present. A solitary, mildly expansive, non-homogeneous, focally cystic mass lesion was noted in the subjective caudal mid to right liver measuring 4.0 cm x 3.0 cm. The mass lesion appeared to mildly distort the associated hepatic capsule without overt evidence of parenchymal escape. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

**REFERRING VET**

Dr. Morrison

**INVOICE**

25435

**DATE**

9/15/21



**PATIENT** *Gastrointestinal*

Aeriel Lanini The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material. Gastric body wall measured 0.42 cm.

**SPECIES**

Canine

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. Duodenum wall measured 0.32 cm.

**BREED**

Yorkshire

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

**SEX**

Neutered Male

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

**AGE**

11 Years

**Free Abdomen**

Subtle reactive mesentery was noted primarily around the caudal liver margins and the hepatic mass lesion. No evidence of effusion or lymphadenopathy.

**WEIGHT**

13.5 Pounds

**ULTRASONOGRAPHIC FINDINGS**

- Hepatomegaly with generalized parenchymal remodeling and intermittent non-specific echogenic nodule
- Mid to right liver mildly expansive, nodular to focally cystic mass lesion
- Heterogeneous pancreas
- Moderate chronic renal changes with minor to pinpoint dystrophic medullary mineral

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The echogenic liver nodules, although non-specific, may indicate areas of nodular hyperplasia or small lipogranulomas. Concurrently, the hepatic mass lesion may indicate benign process such as hematopoiesis, hyperplasia, or granuloma, while the possibility of focal to potential generalized hepatic neoplasia is possible.

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**HOSPITAL NAME**

Eugene AH

The pancreas may indicate age related pancreatic changes, mild parenchymal remodeling owing to previous inflammation, or low-grade to chronic inflammation. This possibility may be considered if evidence of cranial abdominal or subxiphoid discomfort on palpation. Correlation with spec cPL may be considered.

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Subjectively, and pending hepatic cytology, the nodular hepatic mass lesion is likely amenable to surgical resection. Continued as needed gastrointestinal support is indicated.

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**SPECIES**

Canine

**BREED**

Yorkshire

**SEX**

Neutered Male

**AGE**

11 Years

**WEIGHT**

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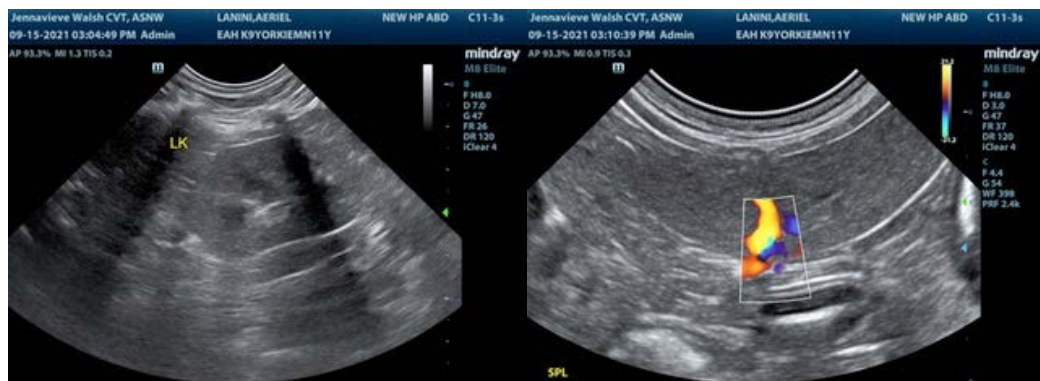
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**BREED**

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Neutered Male

**AGE**

11 Years

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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.

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