

PATIENT PRESENTING CLINICAL SIGNS

Lucy Slager Persistently elevated ALT despite Denamarin trial. No vomiting, diarrhea, appetite changes, or lethargy. On a freeze-dried raw diet. Mild dental tartar, otherwise physical exam WNL.
Abnormal PE/Chem/CBC/UA Results: 9/7/21: ALT 172. 10/12/21: ALT 173

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Urinary System

German Wirehair Pointer

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4.0 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

FS

No evidence of pathology in the area of the aortic trifurcation.

AGE

10 Years

Normal size and margination was 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 mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 5.4 cm in length. The right kidney measured 5.5 cm in length.

WEIGHT

38.3 lbs

Adrenal Glands

INTERPRETED BY

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

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.5 cm length x 0.62 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 2.7 cm length x 0.52 cm width at the caudal pole.

Spleen

IMAGING PERFORMED BY

Jenna Walsh, CVT

The spleen exhibited primarily finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Intermittent small, uniformly echogenic nodules were present primarily in the medial parenchyma adjacent to the hilus. 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 or neoplastic changes were not noted. The echogenic nodules tend to trend benign and are most consistent with benign hyperplasia or myelolipomas.

HOSPITAL NAME

West Eugene Animal Hospital

Liver

REFERRING VET

Dr. Powers

The liver was generally normal in size with symmetrical capsule contour. A solitary isoechoic to mildly echogenic mass was noted in the mid caudal liver adjacent to the gallbladder yet not impinging upon the gallbladder or common bile duct measuring 7.2 cm in diameter. The mass was nonmineralized. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion.

INVOICE

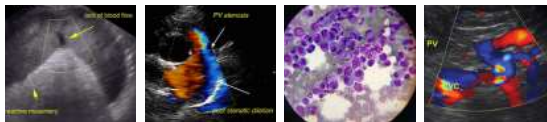
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The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

DATE

10-22-21

Gastrointestinal



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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.

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.

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.

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

Primary

- Hepatopathy with mid caudal isoechoic to mildly echogenic mass.
- Sonographically unremarkable gallbladder and common bile duct.

Secondary

- Mild chronic renal changes.
- Small benign splenic nodules - likely consistent with benign myelolipomas.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Although nonspecific, potential for low grade reactive or inflammatory hepatopathy given the mild ALT elevation, the mid caudal hepatic mass is nonspecific with considerations including hyperplasia, granuloma, neoplasia, or other. Assuming normal clotting status, ultrasound guided FNA of the hepatic mass warranted for screening cytology. Subjectively, this mass appears to be amendable to surgical resection if clinically indicated. However, pending cytology or if surgery is being considered, surgical consult suggested. Three view chest radiographs recommended.



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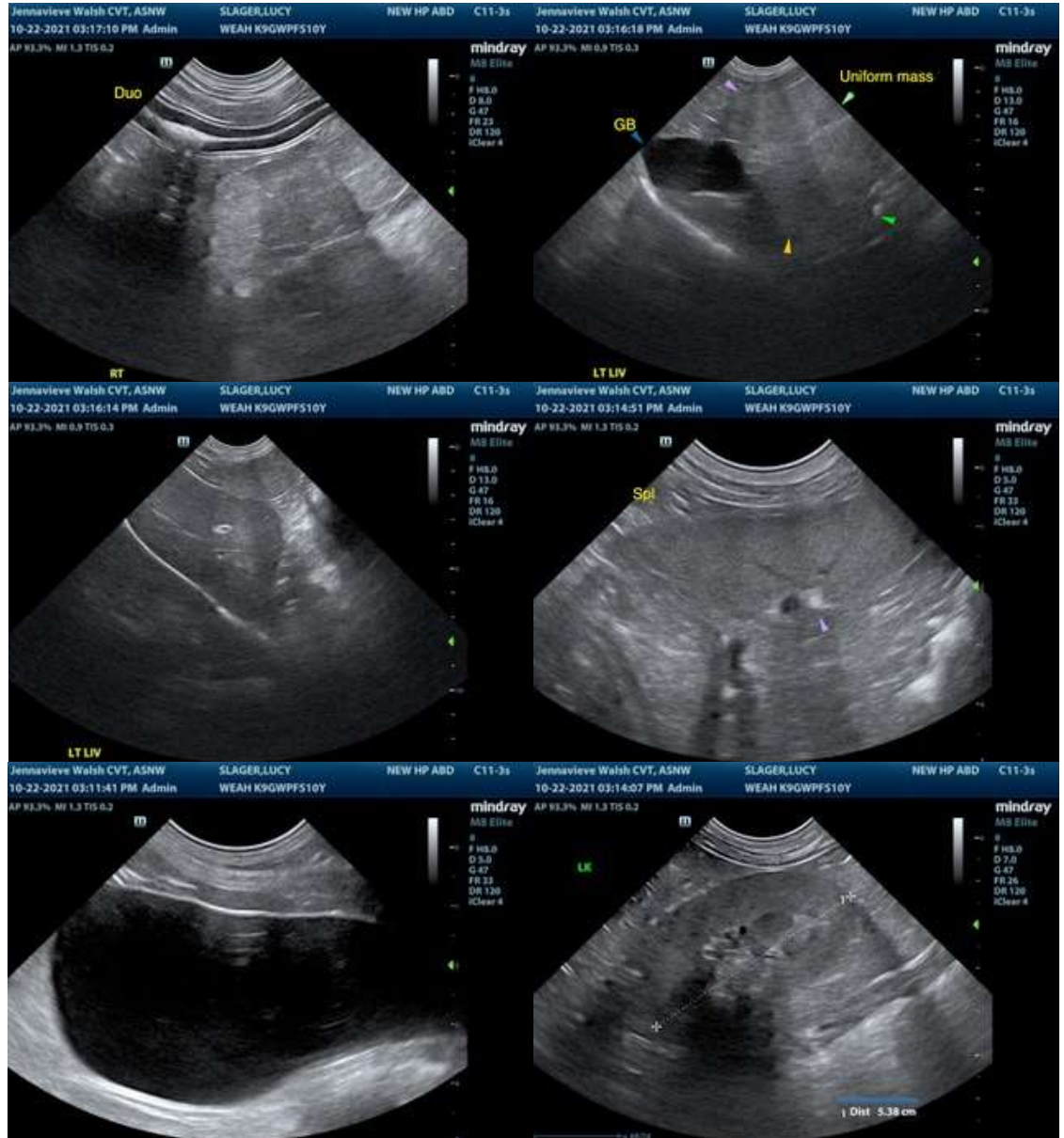
Dr. Powers

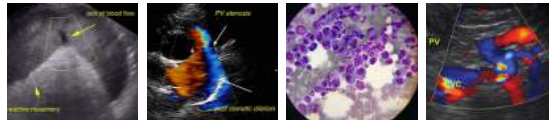
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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