



PATIENT

Phoebe Maloney

SPECIES

Canine

BREED

Golden Retriever

SEX

Female Spayed

AGE

10y

WEIGHT

41.2 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Houentogler

HOSPITAL NAME

K-Vet Animal Care

REFERRING VET

Dr. Konegger

INVOICE

13301

DATE

3/19/26

PRESENTING CLINICAL SIGNS

History:

- Liver, adrenals
- Patient has history of acute hepatitis; has improved, but liver numbers are climbing again
- QAR; Severe dental disease; otherwise unremarkable.
- Concerns about appearance of liver?_
- Chronic degenerative hepatopathy; Cushing's Disease; neoplasia

Abnormal PE/Chem/CBC/UA Results: Completed diagnostics: CBC, Chem, 4DX, UA Other than this study, please summarize results of any completed, pending or planned diagnostics. DVM only to fill out if abnormal _ALT - 611; Urine SG - 1.010. _ Treatment * Do you have a treatment plan for the current clinical signs? _Pending interpretation_ Please describe any prior treatment for the current clinical signs and its effectiveness. _none_

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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.

Normal size and margination was 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 6.3 cm in length. The right kidney measured 6.5 cm in length.

Adrenal Glands

A nonhomogeneous / hyperechoic nodule was present in the cranial and caudal left adrenal gland without mild associated symmetrical capsule expansion. The nodule did not exhibit signs of mineralization or vascular invasion. Overall left adrenal gland measured 3.2 cm x 0.97 cm. Mildly enlarged cranial pole nodule measured 1.1 cm x 0.82 cm. Caudal pole nodule measured 0.98 cm x 0.64 cm. The right adrenal gland was indistinctly visualized with no obvious pathology subjectively measuring 0.49 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

The liver was subjectively normal in size, structure, and contour with normal vascular volume. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was



PATIENT

Phoebe Maloney

SPECIES

Canine

BREED

Golden Retriever

SEX

Female Spayed

AGE

10y

WEIGHT

41.2 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Houentogler

HOSPITAL NAME

K-Vet Animal Care

REFERRING VET

Dr. Konegger

INVOICE

13301

DATE

3/19/26

non distended in size with mild, gravity dependent, non-organized, hyperechoic, nonmineralized biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation.

Gastrointestinal

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

- Hepatopathy exhibiting adequate vascular volume – consistent with benign hepatopathy criteria
- Mild, non-organized gallbladder debris (non-mucocele)
- Mildly enlarged nodular left adrenal gland – benign nodular hyperplasia, hyperplasia, adenomas, emerging left adrenal neoplastic nodules or emerging tumor not definitively excluded

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given ALT elevation, nonspecific inflammatory hepatopathy, i.e. nonspecific hepatitis, hepatotoxicosis, i.e. copper or other. Hepatopathy is favored. No overt hepatobiliary neoplastic criteria or vascular anomaly. Further assessment may include, assuming normal clotting status, FNA cytology and +/- leptospirosis titer/PCR if clinically indicated or if non-reported PU/PD given decreased urine specific gravity. The liver did not overtly suggest steroid hepatopathy criteria yet adrenal workup could be considered if appropriate clinical signs. Monitoring of systemic BP for hypertension which may potentially allude to emerging left pheochromocytoma is suggested. Hepato-supportive medications if patient is currently non-clinical with monitoring of liver enzymes as well as sonographic monitoring of the left adrenal gland for evidence of progression would be reasonable.



PATIENT

Phoebe Maloney

SPECIES

Canine

BREED

Golden Retriever

SEX

Female Spayed

AGE

10y

WEIGHT

41.2 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Houentogler

HOSPITAL NAME

K-Vet Animal Care

REFERRING VET

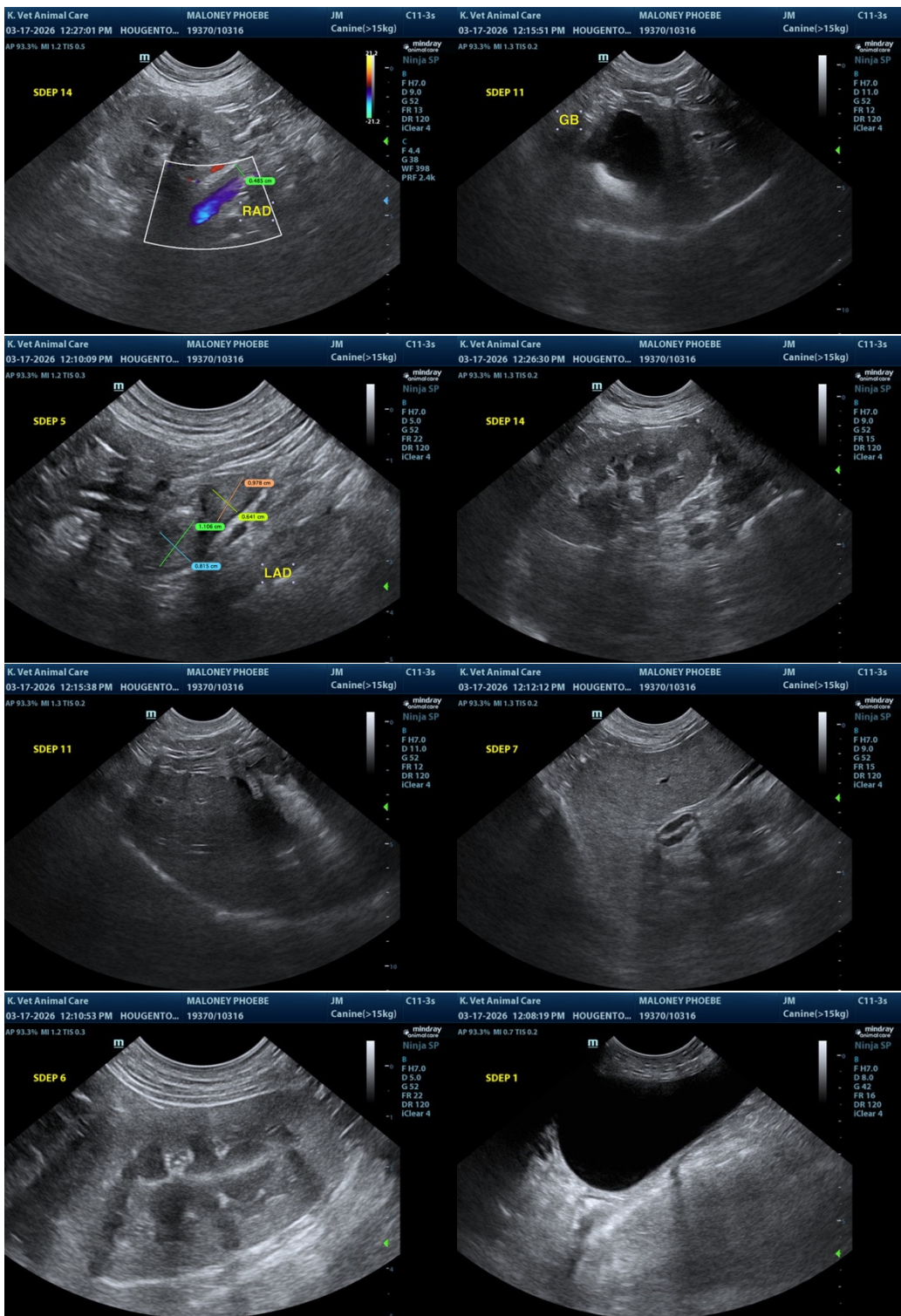
Dr. Konegger

INVOICE

13301

DATE

3/19/26





PATIENT

Phoebe Maloney

SPECIES

Canine

BREED

Golden Retriever

SEX

Female Spayed

AGE

10y

WEIGHT

41.2 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Houentogler

HOSPITAL NAME

K-Vet Animal Care

REFERRING VET

Dr. Konegger

INVOICE

13301

DATE

3/19/26

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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