



PATIENT

Zoey Corona

SPECIES

Canine

BREED

Retriever Mix

SEX

SF

AGE

8 years 11 months

WEIGHT

59 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Rivera

HOSPITAL NAME

DPC VH

REFERRING VET

Dr. Rivera

INVOICE

13238

DATE

2.3.22

PRESENTING CLINICAL SIGNS

Reason for Visit: eye site seems to be diminishing - running into things more frequently - throw ball and she waits for it to land - jumped up on couch and jumped into the open space before the couch past month have noticed a big change

Abnormal PE/Chem/CBC/UA Results: Hydration: N Mentation: BAR EENT: No menace OS, intermitent OD (maybe P feels the air on her eyes); retinal vessels wnl OU; optic nerve wnl OU; rest of eye wnl OU; immature cataracts OU Oral Cavity: N Lymph Nodes: N Skin: N CV/Respiratory: no murmur, normal resp sounds Abd/GI: N Uro/Perineum: N Musculoskeletal: N Neurological: N CBC, GHP w/ Lytes, T4 Results: elevated ALP (1019), Bili (0.4) T4 0.7

ALP 1019

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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 was noted.

The area of the aortic trifurcation was free of pathology.

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 6.7 cm in length. The right kidney measured 6.7 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.67 cm width at the caudal pole and 0.7 cm width at the cranial pole. The right adrenal gland was indistinctly visualized yet without overt pathology. The right adrenal gland measured 0.58 cm width at the caudal pole.

Spleen

The spleen exhibited primarily finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. A solitary, echogenic, non-expansive to discreet nodule was present in the medial parenchyma. The nodule measured 0.6 cm in diameter. 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.

Liver/ Gallbladder

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



PATIENT	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 very minor particulate nonmineralized debris present in the gallbladder neck. The cystic and common bile ducts were normal.
Zoey Corona	
SPECIES	Gastrointestinal
Canine	
BREED	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.
Retriever Mix	
SEX	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.
SF	
AGE	Normal visible colon wall layers were present with apparent formed feces in lumen.
8 years 11 months	Pancreas
WEIGHT	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 were evident.
59 lbs.	Free Abdomen
INTERPRETED BY	No overt lymphadenopathy or peritoneal effusion was present.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	ULTRASONOGRAPHIC FINDINGS
IMAGING PERFORMED BY	Primary Findings
Dr. Rivera	<ul style="list-style-type: none"> • Benign hepatopathy • Minor gallbladder debris • Solitary benign splenic nodule - consistent with probable benign myelolipoma, potential for previous infarction or nodular hyperplasia
HOSPITAL NAME	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
DPC VH	The overall appearance of the liver is consistent with benign hepatopathy. Given the ALP elevation, vacuolar hepatopathy with potential for minor nonclinical cholestasis, given the concurrent presence of minor gallbladder debris, is suspected. Inflammatory hepatic parenchymal disease or hepatobiliary process is considered a less likely differential diagnosis with no overt evidence of neoplastic criteria.
REFERRING VET	
Dr. Rivera	Hepatosupportive medications including Denamarin and Ursodiol may prove beneficial.
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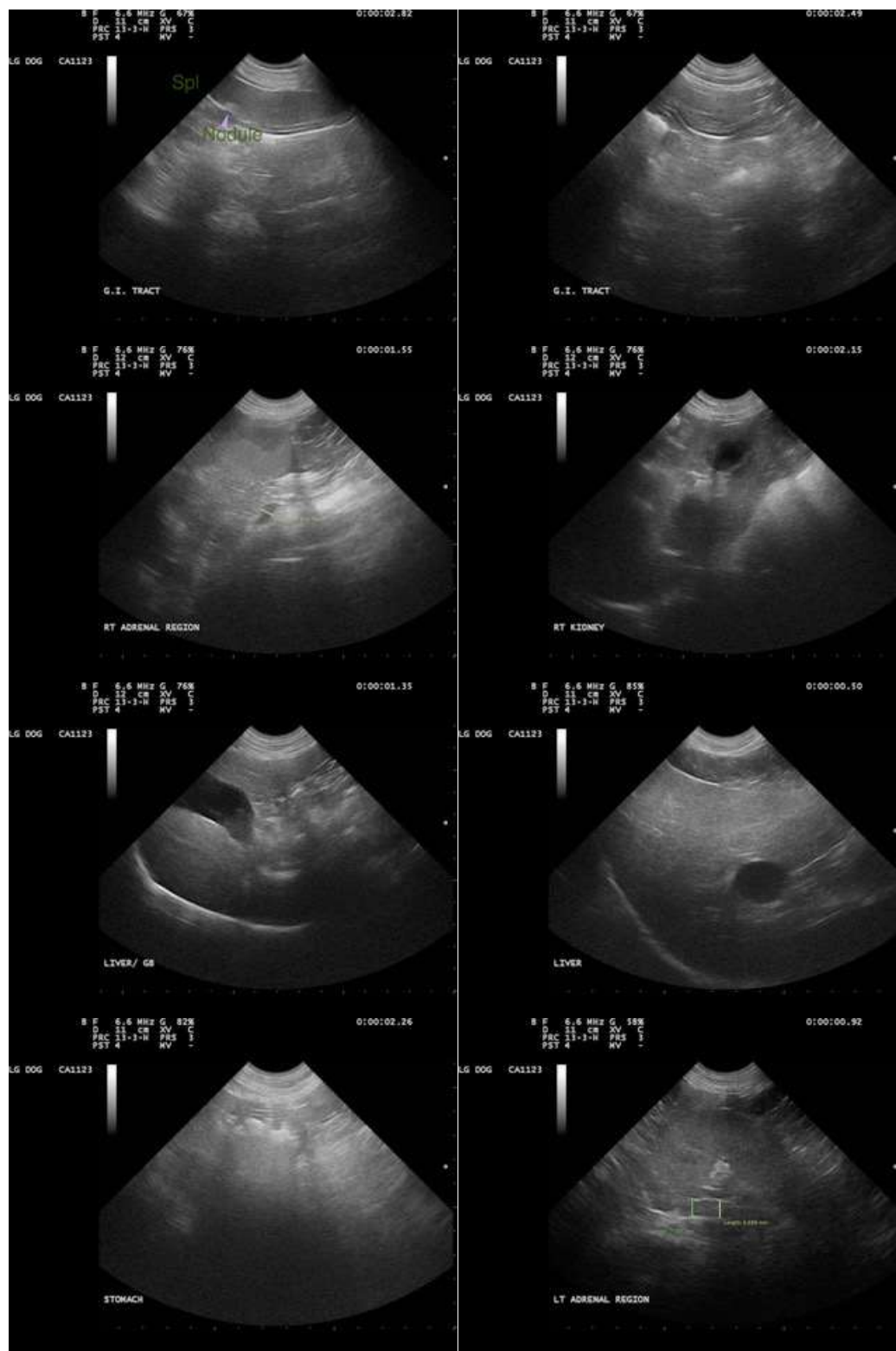
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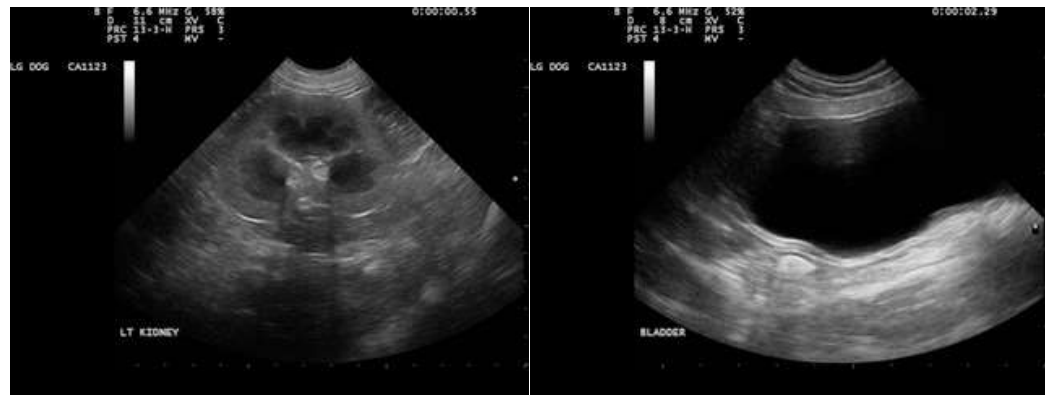
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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