



PATIENT

Darcy Pershing

SPECIES

Canine

BREED

Lab Mix

SEX

FS

AGE

10Y, 11M

WEIGHT

52.6lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Karla Schultz

HOSPITAL NAME

Northshore
Veterinary Hospital

REFERRING VET

Karla Schultz

INVOICE

74864

DATE

5-5-26

PRESENTING CLINICAL SIGNS

presented for tooth fracture, noted mild inc LEZ and moderate increase cholesterol on preanesthetic labs. Increases have been present for at least 1 year; p is asymptomatic at home including no PU/PD/PP.

AUS performed to assess gallbladder, liver, and adrenals in particular.

Currently planning likely switch to lowfat GI diet and addition of ursodiol pending image interpretation. Abnormal PE/Chem/CBC/UA Results: PE: NSF, quiet skin, good BCS cbc/chem: mild eosinopenia; mild inc ALT (284), ALP (303), GGT (14); moderate-marked hypercholesterolemia (740) thyroid screen: normal T4, freeT4 by ED, TSH

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 were noted.

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

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 6.4 cm in length. The right kidney measured 6.4 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The caudal pole of the left adrenal gland presented mildly enlarged measuring 0.85 cm width. A non-capsule deforming, indistinct, mildly hyperechoic, nonmineralized, caudal pole nodule was present in the left adrenal gland. The nodule measured 0.53 x 0.42 cm.

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.74 cm width at the caudal pole.

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.

Liver/ Gallbladder

The liver presented mild enlargement 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.



PATIENT

Darcy Pershing

SPECIES

Canine

BREED

Lab Mix

SEX

FS

AGE

10Y, 11M

WEIGHT

52.6lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Karla Schultz

HOSPITAL NAME

Northshore
Veterinary Hospital

REFERRING VET

Karla Schultz

INVOICE

74864

DATE

5-5-26

The gallbladder was non-distended in size with thin walls and mild nonorganized gallbladder debris. The cystic and common bile ducts were normal.

Gastrointestinal

The visible gastric walls exhibited intact wall layering without mural pathology or hypertrophy. The stomach contained progressively shadowing ingesta without overt evidence of obstruction to pyloric outflow.

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 formed feces in lumen.

Pancreas

The pancreas was normal in size and contour with heterogeneous to mildly remodeled parenchyma. No signs of active inflammation or neoplasia.

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

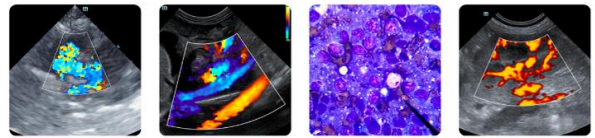
- Nonspecific yet benign hepatopathy pattern.
- Nonorganized gallbladder debris (nonmucocele).
- Mild pancreatic remodeling.
- Age related renal changes.
- Mildly enlarged nodular left adrenal gland – mild benign hyperplasia or adenomatous change suspected.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Assuming normal clotting status, hepatic FNA cytology could be considered for further clarification. No evidence of hepatic neoplastic criteria, which is though less likely.

Given the patient is nonclinical, functional adrenal disease is thought less likely. Adrenal screening or workup warranted if clinical signs consistent with adrenal disease are nonreported or arise. Technically, potential for emerging left adrenal neoplastic nodules or tumor not definitively excluded. Sonographic monitoring of the left adrenal gland for progressive enlargement or nodular changes with initial recheck in 6-8 weeks would be ideal.

Hepatosupportive medications including denamarin and ursodiol with monitoring of liver enzymes would be reasonable.



PATIENT

Darcy Pershing

SPECIES

Canine

BREED

Lab Mix

SEX

FS

AGE

10Y, 11M

WEIGHT

52.6lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Karla Schultz

HOSPITAL NAME

Northshore
Veterinary Hospital

REFERRING VET

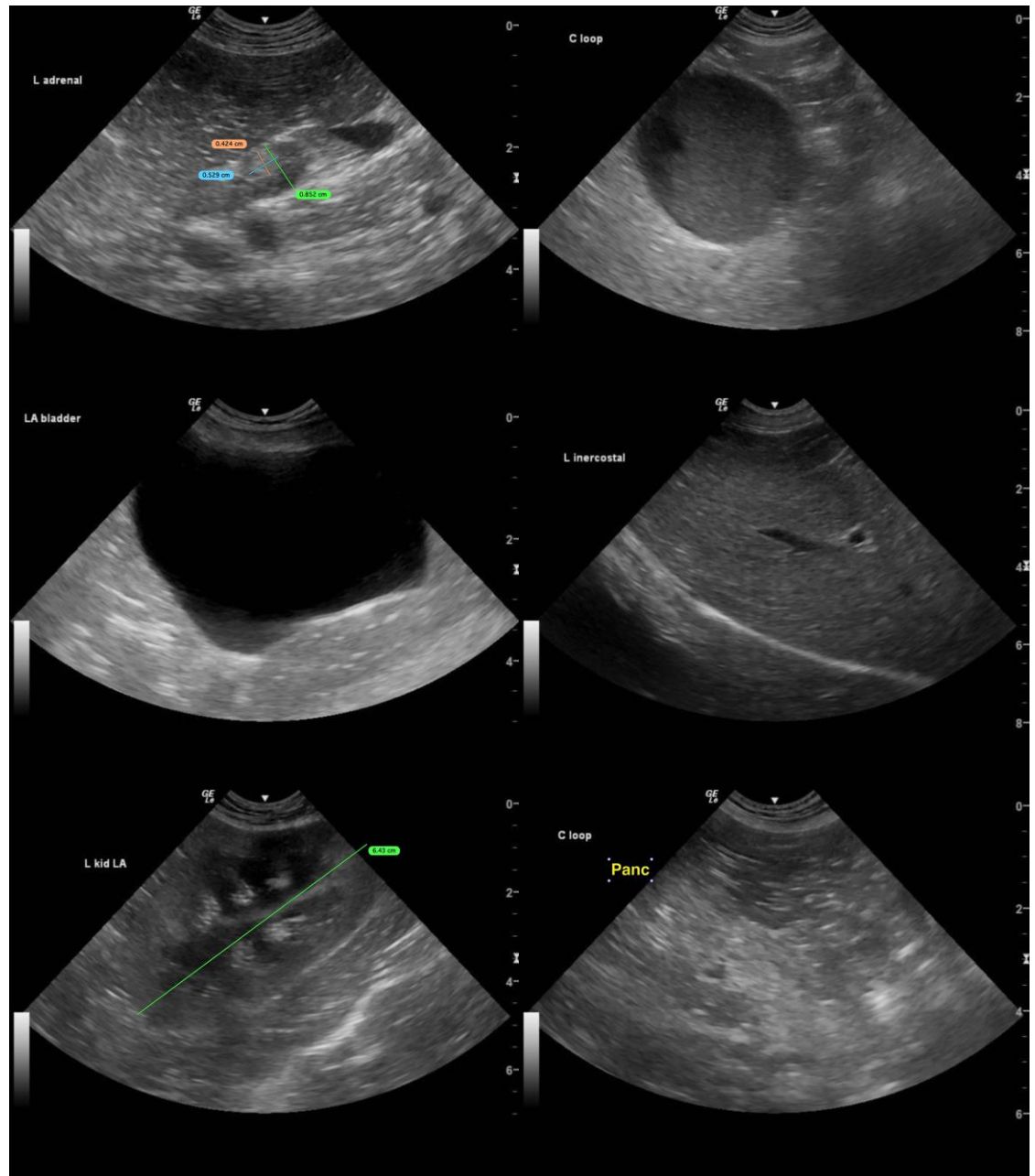
Karla Schultz

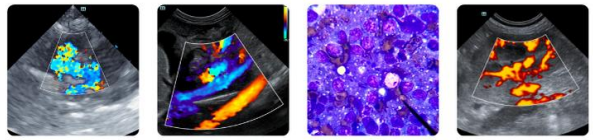
INVOICE

74864

DATE

5-5-26





PATIENT

Darcy Pershing

SPECIES

Canine

BREED

Lab Mix

SEX

FS

AGE

10Y, 11M

WEIGHT

52.6lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Karla Schultz

HOSPITAL NAME

Northshore
Veterinary Hospital

REFERRING VET

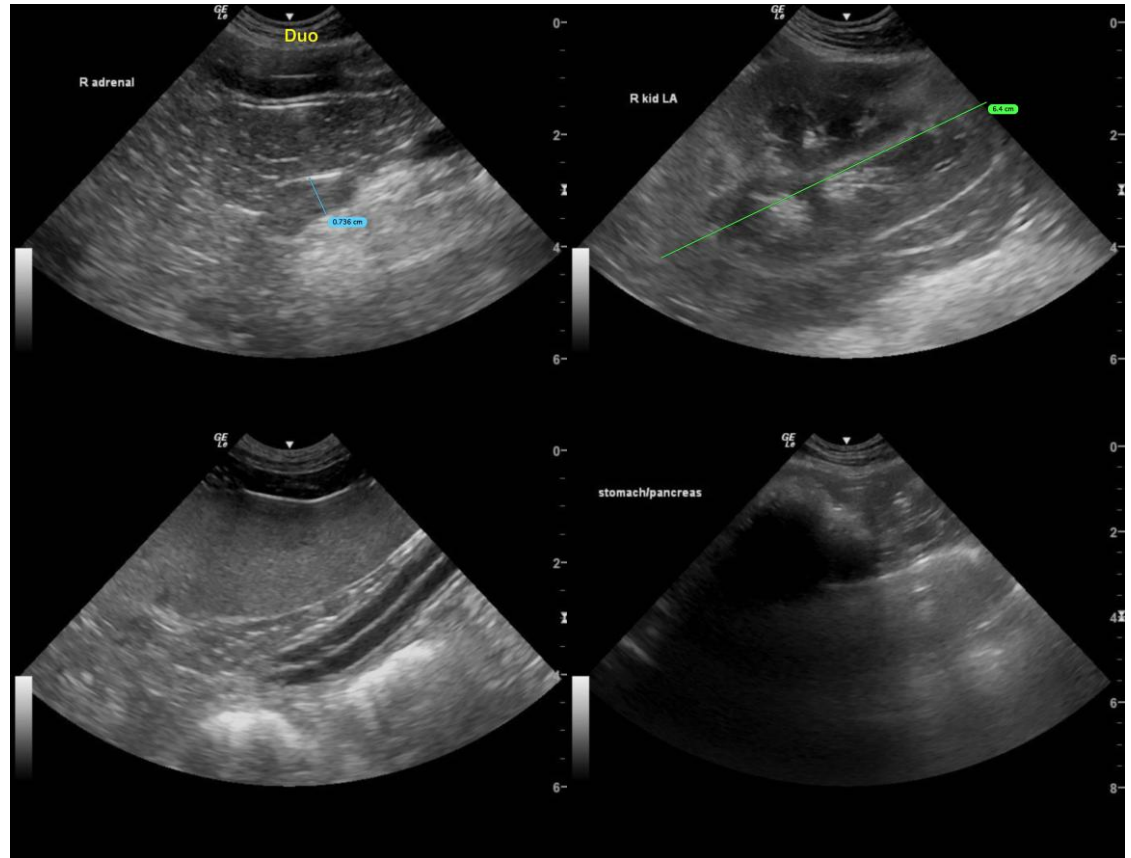
Karla Schultz

INVOICE

74864

DATE

5-5-26



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