



PATIENT PRESENTING CLINICAL SIGNS

Lily Thomas Hospital Name: Alpine Animal Hospital Referring veterinarian: Lindsay Sjoloin, DVM Patient's Name: Lily
Owner's first and last name: Natisse Thomas Species: Canine Gender(altered?) S Age: 15Y Weight in #: 9
Breed: Pug History: history of slowing worsening azotemia Physical exam findings: 3/6 murmur.
SPECIES Chronic neuropathy in pelvic limbs. Sclerosis OU Abnormal CBC values: mild monocytosis (this was
before a COHAT with severe periodontal disease) Abnormal Chemistry Values: SDMA 18(0-14). Cre
1.2(0.5-1.5). BUN 57(9-31) Abnormal UA Values: USG 1019 Radiograph Findings(email radiographs if
available): N/A Reason for Ultrasound: evaluate reasons for azotemia -NO sedation, cyanotic when
held for too long and increased effort in breathing
BREED

Pug

Urinary System

SEX

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The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 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.

AGE

15 years

The area of the aortic trifurcation was free of pathology.

WEIGHT

9 lbs.

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 mild loss of corticomedullary symmetry and definition expected for the age of the patient. Minor pyelectasia was present in both kidneys. The left kidney measured 3.3 cm in length. The right kidney measured 4.0 cm in length.

INTERPRETED BY

Adrenal Glands

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

No overt pathology in the area of the left adrenal gland.

IMAGING PERFORMED BY

The right adrenal gland was indistinctly visualized yet without overt pathology, subjectively measuring 0.39 cm at the caudal pole.

Loetitia Saint-Jacques, RVT

Spleen

HOSPITAL NAME

Donner Truckee VH

The spleen exhibited subjective subnormal size, potentially owing to volume contraction. 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.

REFERRING VET

Dr. Lindsay Sjoloin

Liver/ Gallbladder

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The liver was subjectively normal in size, structure, and contour. 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. Intermittent subtle hyperechoic non-expansive intraparenchymal nodules were present, an example measured 0.9 cm in diameter.

DATE

1/3/22



PATIENT Lily Thomas The gallbladder was non distended in size with moderate nondependent yet nonorganized pinpoint hyperechoic gallbladder debris. The gallbladder was otherwise normal with no evidence of inflammatory criteria. The cystic duct and common bile ducts were normal without evidence of dilation.

SPECIES

Canine

Gastrointestinal

BREED

Pug

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.

SEX

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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

AGE

15 years

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

Free Abdomen

WEIGHT

9 lbs.

No overt lymphadenopathy or peritoneal effusion was present.

Rapid view of the heart revealed no evidence of pericardial masses or effusion in the visible window.

INTERPRETED BY

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

ULTRASONOGRAPHIC FINDINGS

- Mild chronic renal changes with mild bilateral pyelectasia
- Hepatic parenchymal remodeling with intermittent subtle hypoechoic intraparenchymal nodules
- Moderate gallbladder debris (non-mucocele)

IMAGING PERFORMED BY

Loetitia Saint-Jacques, RVT

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

HOSPITAL NAME

Donner Truckee VH

Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered. Overall kidneys were consistent with IRIS stage 1-2 CKD, pending assessment for proteinuria. The minor pyelectasia present in both kidneys is suspected to be owing to chronic renal changes or mild pelvic scarring. Appropriate CKD therapy pending further renal staging and monitoring of systemic blood pressure is recommended.

REFERRING VET

Dr. Lindsay Sjoin

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The subtle hepatic nodular changes are nonspecific with considerations including suspected areas of hematopoiesis, nodular to regenerative hyperplasia or mild granulomas. Potential for neoplastic nodular criteria is considered unlikely. Correlation with hepatic enzymes (if not recently done) recommended. Sonographic monitoring of the subtle hepatic nodules for evidence of progression would be ideal.

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Lily Thomas

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9 lbs.

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IMAGING PERFORMED BY

Loetitia Saint-Jacques, RVT

HOSPITAL NAME

Donner Truckee VH

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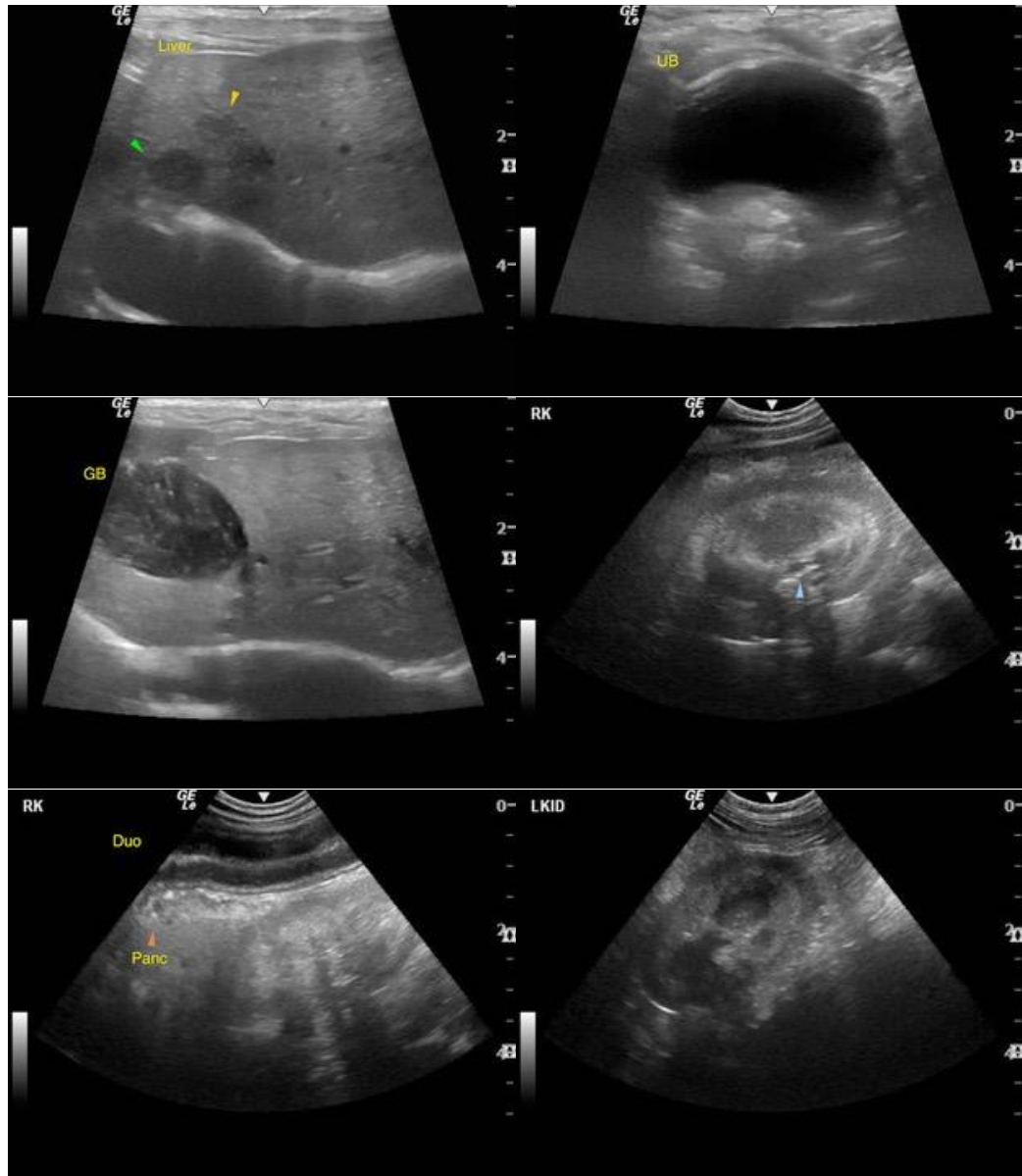
Dr. Lindsay Sjloin

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DATE

1/3/22





PATIENT

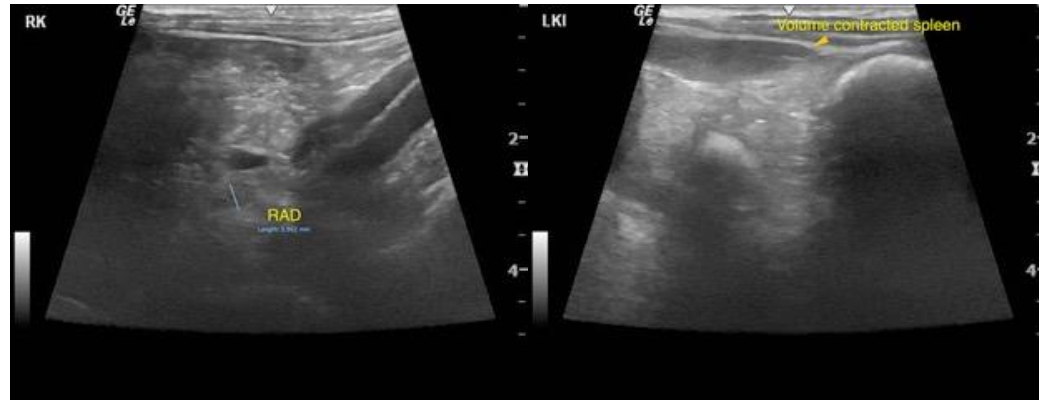
Lily Thomas

SPECIES

Canine

BREED

Pug



SEX

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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.

AGE

15 years

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.

WEIGHT

9 lbs.

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DABVP (Canine and Feline)

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HOSPITAL NAME

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