

PATIENT

Dustie Principe

SPECIES

Canine

BREED

Collie

SEX

FS

AGE

9 years

WEIGHT

111 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Pamela Harrigan, RDMS

HOSPITAL NAME

Chase VC

REFERRING VET

Catherine Caffarella,
 BVSc

INVOICE

13015

DATE

1/10/22

PRESENTING CLINICAL SIGNS

PU/PD, elevated ALP (281), previous test for Cushing's equivocal. Hx chronic UTIs in past. Previous urinalysis normal and negative for C & S. Hypothyroid, on Levothyroxine 0.3 mg BID. Has had cardiac workup and has mild degenerative valve disease with normal chamber sizes and function.

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.

No pathology associated with the uterine remnant was evident.

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 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. Focal small cortical cyst was noted in the caudomedial right kidney, measuring 0.49 cm in diameter. No evidence of pyelectasia was present. The left kidney measured 7.9 cm in length. The right kidney measured 6.5 cm in length.

Adrenal Glands

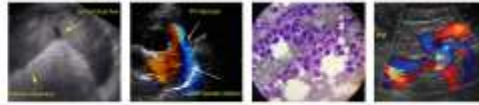
The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.52 cm width at the caudal pole and 0.40 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.58 cm width at the caudal pole and 0.61 cm width at the cranial 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/ 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 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 primarily anechoic luminal content. The cystic and common bile ducts were normal.



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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.

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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. The duodenum wall width measured 0.48 cm. The jejunum wall width measured 0.45 cm.

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Normal visible colon wall layers were present with apparent formed feces in lumen.

Pancreas

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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.

Free Abdomen

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Focal, medial iliac lymph node was present. The lymph node was essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). The medial iliac lymph node was not consistent with inflammatory or neoplastic criteria, and likely incidental.

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ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Hepatopathy - subjectively benign
- Overtly normal bilateral adrenal glands
- Mild age-related renal changes with small right kidney cortical cysts - no evidence of pyelonephritis

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The appearance of the liver, although nonspecific, was consistent with benign hepatopathy and suggestive of vacuolar hepatopathy or potential minor hepatic cholestasis, given the ALP elevation. Potential for hepatic Inflammation is considered less likely without evidence of neoplastic criteria.

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If strong clinical suspicion for hyperadrenocorticism, re-test with LDDST could be considered. No evidence of adrenal neoplastic criteria was noted.

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BVSc

Leptospirosis titer / PCR may be considered if potential exposure.

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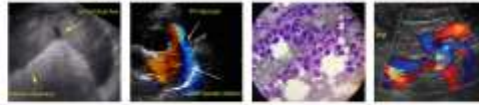
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For an additional charge, internal medicine consult can be utilized through Sonopath.com. You can select the internal medicine drop down at <http://spa.sonopath.com/>.

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One of the world's top internists & SonoPath associate Dr. Remo Lobetti BVSc, MMedVet, PhD, DECVIM can evaluate your case through SonoPath. <https://sonopath.com/resources/sonopath-services/internal-medicine-teleconsultation-services>



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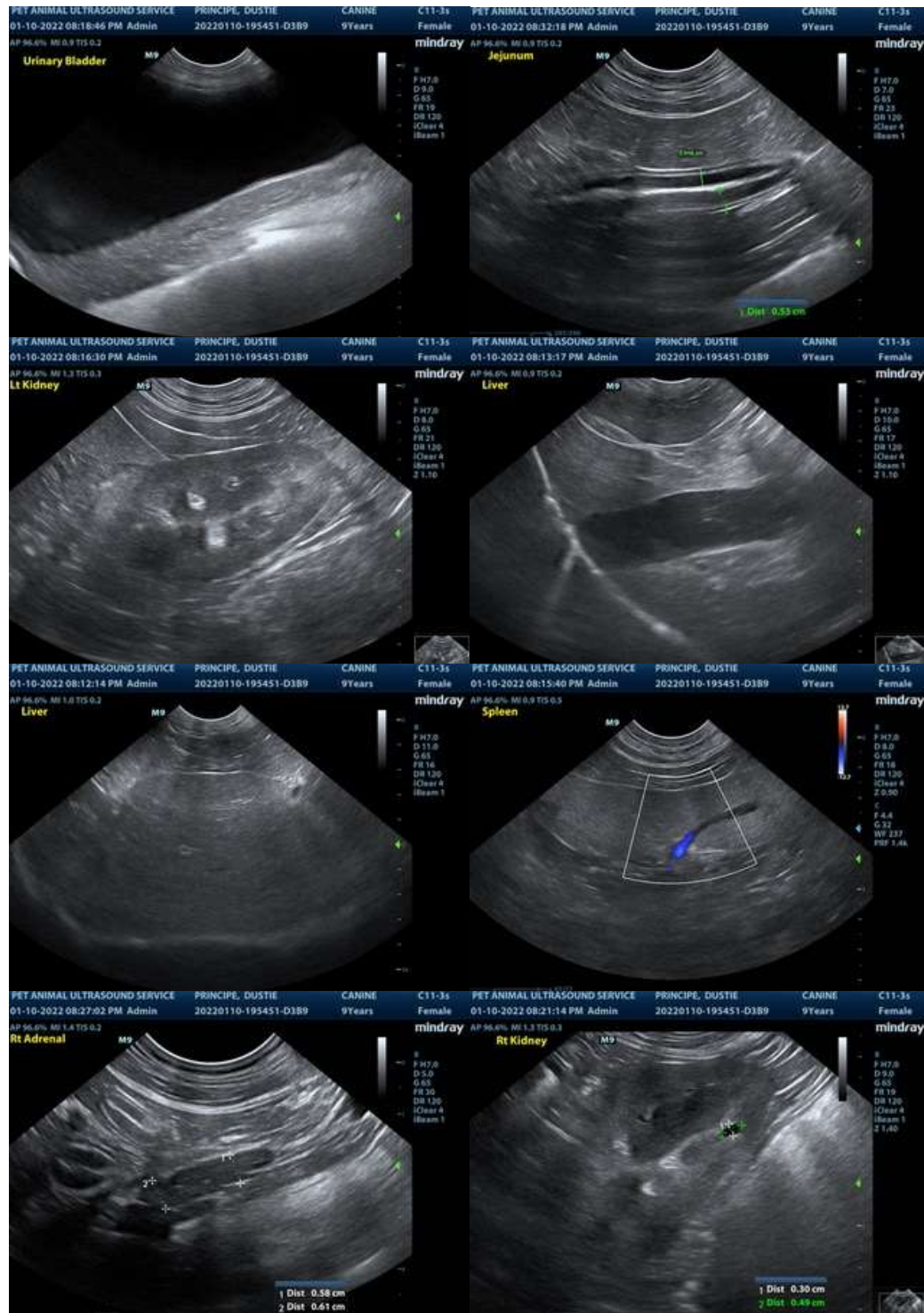
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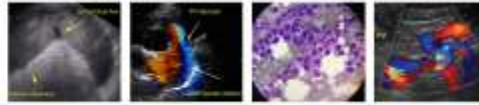
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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