



PATIENT

PRESENTING CLINICAL SIGNS

Macey Zeolla

Work up for cushings

SPECIES

Abnormal PE/Chem/CBC/UA Results: LDDST: 10.6, 5.7, 4.6, ALT: 154, ALK: 531 GGT: 11, USG: 1.021, urine protein 3+Prot/creat: 1.5

Canine

BREED

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Shih Tzu X

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 was noted.

SEX

FS

AGE

The area of the aortic trifurcation was free of pathology.

12 years

Normal size and asymmetrical margination were present in the kidneys. Nonuniform to irregular cortex with moderate loss of corticomedullary border demarcation was present. Pinpoint dystrophic corticomedullary mineral was noted. The kidney exhibited potential for cortical microinfarction or fibrosis with intermittent cortical cysts and bilateral pyelectasia. The left kidney measured 4.6 cm in length. The right kidney measured 5.8 cm in length.

WEIGHT

16.5 lbs.

INTERPRETED BY

Adrenal Glands

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

The bilateral adrenal glands were mildly prominent in size based on caudal pole width measurement in light of body weight. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 2.3 cm length x 0.62 cm width at the caudal pole. The right adrenal gland measured 1.8 cm length x 0.76 cm width at the caudal pole. No adrenal tumors were noted.

IMAGING PERFORMED BY

A. Rodriguez

Spleen

HOSPITAL NAME

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.

Foxfield VS

REFERRING VET

Liver/ Gallbladder

A. Rodriguez

The liver was enlarged in size with symmetrical to mildly rounded contour exhibiting generalized nonhomogeneous increased hepatic parenchyma echogenicity with moderate coarse echotexture. Parenchymal remodeling was noted with intermittent, nondisruptive, discrete, hypoechoic intraparenchymal nodules. An example of a liver nodule measured 2.3 cm in diameter. The gallbladder was non-distended in size containing anechoic content with mild, nondependent to mobile, echogenic gallbladder debris. The cystic and common bile ducts were normal.

INVOICE

16169

DATE

2/15/23

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.



PATIENT

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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.

SPECIES

Canine

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

BREED

Shih Tzu X

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 were evident.

SEX

FS

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

AGE

12 years

ULTRASONOGRAPHIC FINDINGS

WEIGHT

16.5 lbs.

- Bilateral mildly prominent adrenal glands - consistent with PDH, no adrenal tumors
- Bilateral moderate chronic degenerative kidneys exhibiting suspected corticomedullary fibrosis, cortical cysts, and mild pyelectasia
- Hepatomegaly exhibiting nonhomogeneous parenchyma hyperechogenicity and intermittent discrete hypoechoic nodules - subjectively benign, likely vacuolar hepatopathy pattern with discrete areas of hyperplasia, hematopoiesis, or similar, potential for nonspecific inflammatory hepatopathy or neoplasia considered less likely
- Gallbladder debris (non-mucocele)

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING PERFORMED BY

A. Rodriguez

Monitoring of renal parameters, UPC, and systemic BP going forward, given the sonographic appearance of the bilateral kidneys, is suggested. Screening C/S may be considered if evidence of inflammatory cells on urinalysis. Hepatosupportive medications including Denamarin and Ursodiol may prove beneficial.

HOSPITAL NAME

Foxfield VS

REFERRING VET

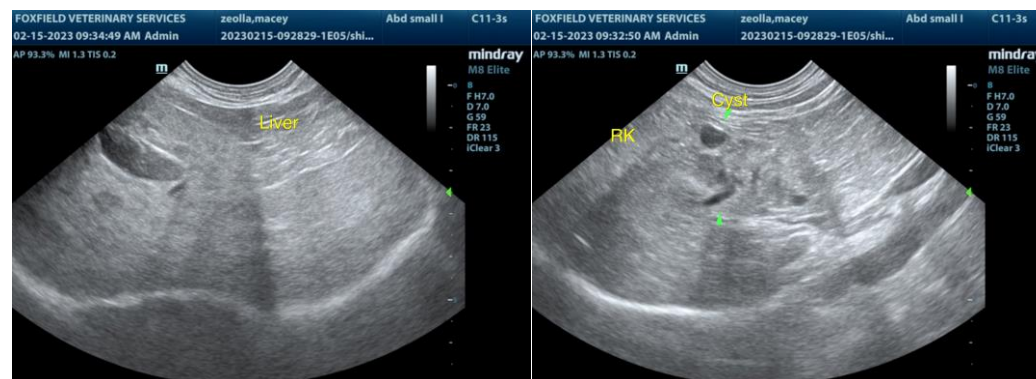
A. Rodriguez

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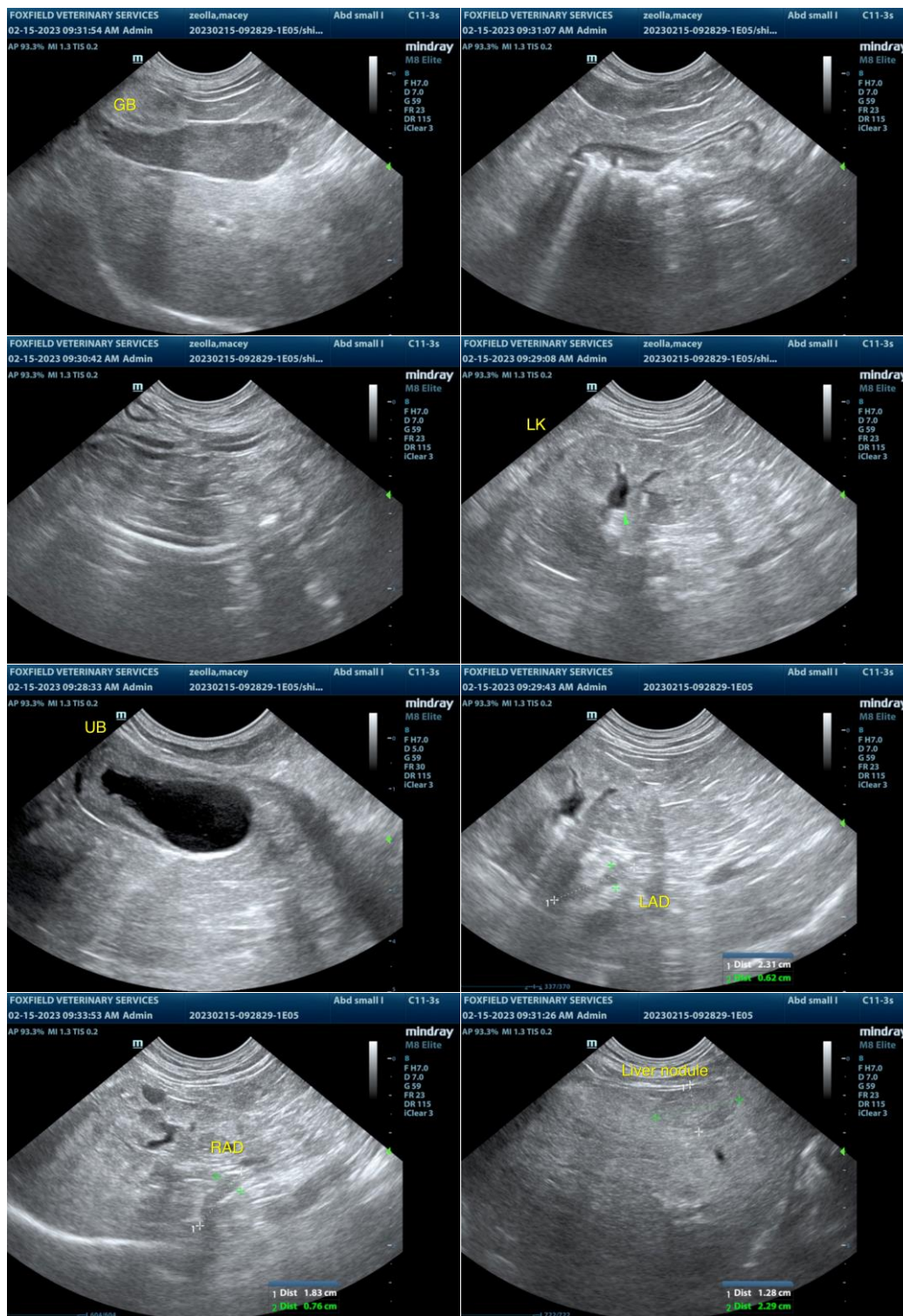
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



PATIENT

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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.

SPECIES

Canine

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com

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Shih Tzu X

SEX

FS

AGE

12 years

WEIGHT

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