



PATIENT

Beau Miele

PRESENTING CLINICAL SIGNS

- Seizures and High BP. Suspect Cushing's. LDDST pending
- Abnormal PE/Chem/CBC/UA Results: TP: 7.5, ALK: 459, mag: 2.7,

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no evidence of urine/lumen sediment, mineral, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

BREED

Mixed

SEX

MN

Normal renal size with asymmetrical margination was present in both kidneys. The renal cortex presented uniformly increased in echogenicity with uniform echotexture. The renal cortex appeared to be hypertrophied resulting in an altered cortex: medulla ratio. Mild loss of corticomedullary distinction was also present. The renal medullary volume was subjectively reduced. Bilateral areas of mild medullary mineral were present. The left kidney measured 5.7 cm in length. The right kidney measured 5.2 cm in length.

AGE

11yr

The area of the aortic trifurcation was free of pathology.

WEIGHT

37.4lb

The area of the residual prostate appeared normal and free of pathology

Adrenal Glands

The bilateral adrenal glands were enlarged in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia with subtle nodular non-mineralized parenchyma. The left adrenal gland measured 1.37 cm width in the caudal pole. The right adrenal gland measured 0.94 cm width in the caudal pole.

INTERPRETED BY

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

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.

IMAGING PERFORMED BY

Rodriguez

HOSPITAL NAME

Foxfield Veterinary
Services

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. Normal vascular volume. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with moderate, non-organized debris occupying the majority of the gallbladder lumen. The cystic and common bile ducts were normal.

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Gastrointestinal

DATE
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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 mechanical/metabolic ileus, obstruction or foreign material.

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

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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 was evident.

BREED

Mixed

Free Abdomen

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

SEX

MN

ULTRASONOGRAPHIC FINDINGS

Primary

- Bilateral, enlarged mild non-homogenous nodular adrenal glands- functional vs non-functional cortical adenomas, hyperplasia, unilateral/ bilateral adrenal tumors felt less likely yet not excluded
- Benign hepatopathy exhibiting adequate vascular volume
- Non-organized gallbladder debris, not consistent with mature mucocele

AGE

11yr

WEIGHT

37.4lb

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Correlation with pending adrenal workup is recommended. Serial monitoring of systemic BP indicated +/- urine metanephrine level, if evidence of hypertension to assess for potential unilateral/ bilateral pheochromocytoma. Hepatosupportive medications may prove beneficial.

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(Canine and Feline)

Sonographic monitoring of the adrenal glands for evidence of progressive enlargement or nodular changes as well as monitoring of the gallbladder if evidence of progressive cholestasis is recommended.

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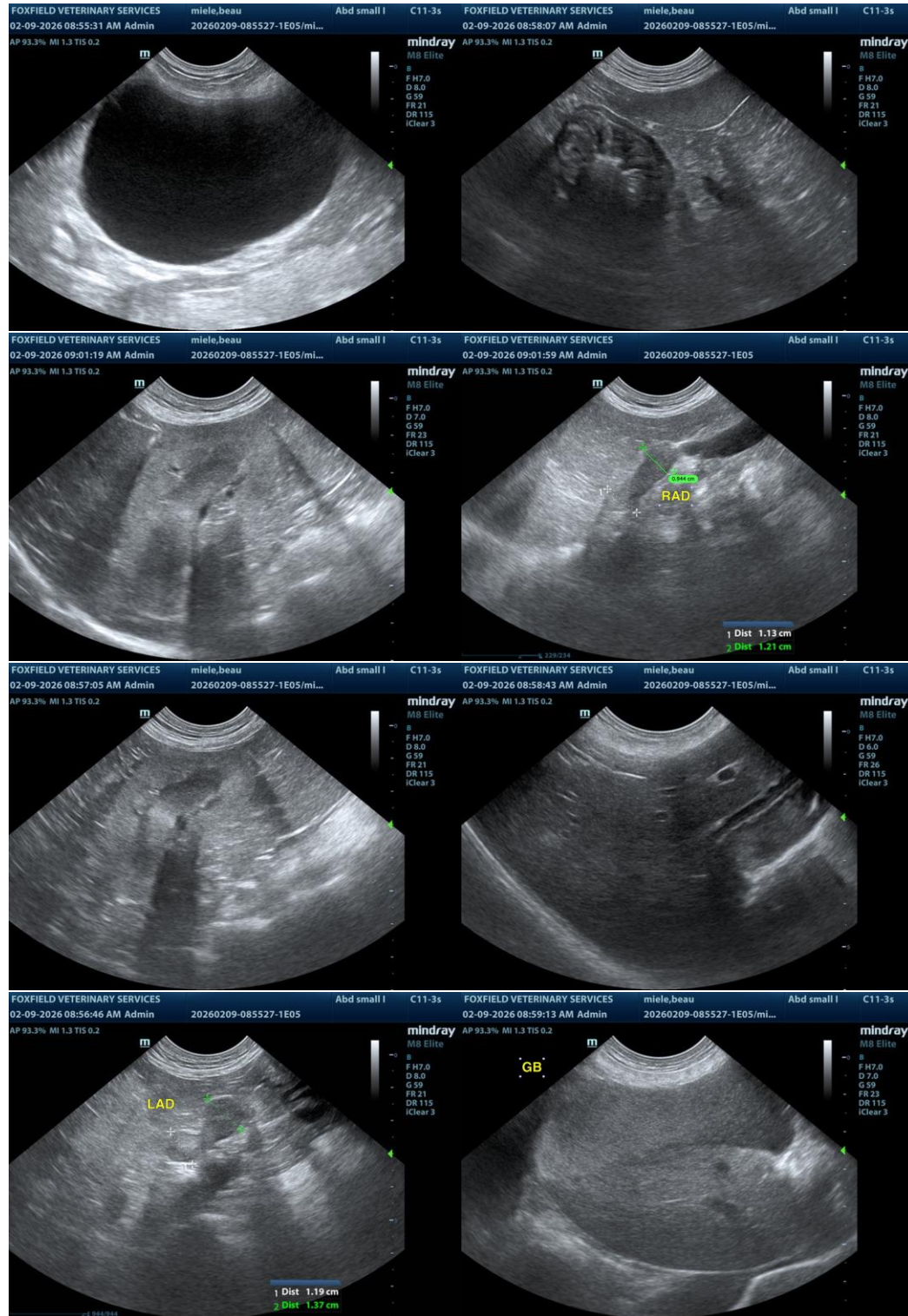
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not



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visible in the image/video clips provided.

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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.

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info@sonopath.com

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