



PATIENT PRESENTING CLINICAL SIGNS

Piper Stone History: Alert active - SI overweight ADR this summer - some episodic lethargy and reclusiveness.

SPECIES Abnormal PE/Chem/CBC/UA Results: Low NA/K ratio 24 (Pre and Post ACTH stim = elevated post . Stim levels) NOT hypoadrenocorticoidism . Early renal issues .

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED *Urinary System*

Terrier X The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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. Aortic trifurcation was normal.

SEX

Neutered Male

No overt pathology in the area of the residual prostate.

AGE

13 Years

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. The left kidney measured 5.9 cm in length. The right kidney measured 6.3 cm in length. Mild pyelectasia was present in both kidneys. Pinpoint dystrophic medullary mineral was present in both kidneys.

WEIGHT

28.5 Pounds

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 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 2.5 cm in length x 0.79 cm width in the caudal pole. The right adrenal gland measured 2.2 cm length x 0.76 cm width in the caudal pole. No evidence of adrenal tumors noted.

IMAGING PERFORMED BY

Sara Hansen

Spleen

HOSPITAL NAME

VCA Delta Oaks

The spleen exhibited primarily finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. A solitary, non-expansive, well-defined, symmetrical, hyperechoic nodule was present in the medial parenchyma, consistent with benign myelolipoma. 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 or neoplastic changes were not noted.

REFERRING VET

Dr. Lahm

Liver

INVOICE

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The liver revealed generalized enlargement with mildly rounded hepatic contour and generalized mild nonuniform parenchyma, exhibiting evidence of parenchymal remodeling. Intermittent discrete hyperechoic hepatic intraparenchymal nodule noted.

DATE

11/10/22

The gallbladder was non distended in size with moderate nondependent mildly congealed yet nonorganized echogenic debris. No evidence of gallbladder overdistention or inflammatory criteria. The cystic duct and common bile ducts were normal without evidence of dilation.



PATIENT *Gastrointestinal*

Piper Stone 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.

SPECIES

Canine 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.

BREED

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

SEX

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.

Neutered Male

AGE

ULTRASONOGRAPHIC FINDINGS

13 Years

- Hepatomegaly, exhibiting nonhomogenous remodeled to discretely nodular parenchyma- subjectively benign
- Moderate gallbladder debris (non-mucocele)
- Benign splenic nodule- consistent with benign myelolipoma
- Bilateral mild prominent adrenal glands- nonspecific
- Moderate chronic renal changes with minor pyelectasia

WEIGHT

28.5 Pounds

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING PERFORMED BY

Sara Hansen

The pyelectasia may be owing to chronic renal changes, potential pelvic scarring possibly owing to previous calculi passage, IV fluid therapy (if applicable). Urine C/S and protein: creatinine ratio on sterile urine sample is recommended. Further renal staging to include UPC level if evidence of proteinuria may be considered.

HOSPITAL NAME

VCA Delta Oaks

The mildly prominent bilateral adrenal glands are nonspecific, not overtly suggestive of adrenal hyperfunction given the patient current clinical signs yet may be interpreted based on degree of elevated post ACTH stimulation level.

REFERRING VET

Dr. Lahm

No overt evidence of intraabdominal neoplastic criteria.

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The hepatic presentation is nonspecific given the lack of reported hepatic enzyme elevations. Screening hepatic FNA cytology could be considered if hepatic enzyme elevations or evidence of cholestasis are currently present or arise. Hepatosupportive medications including Denamarin and Ursodiol may be considered if clinically indicated.

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Canine

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Terrier X

SEX

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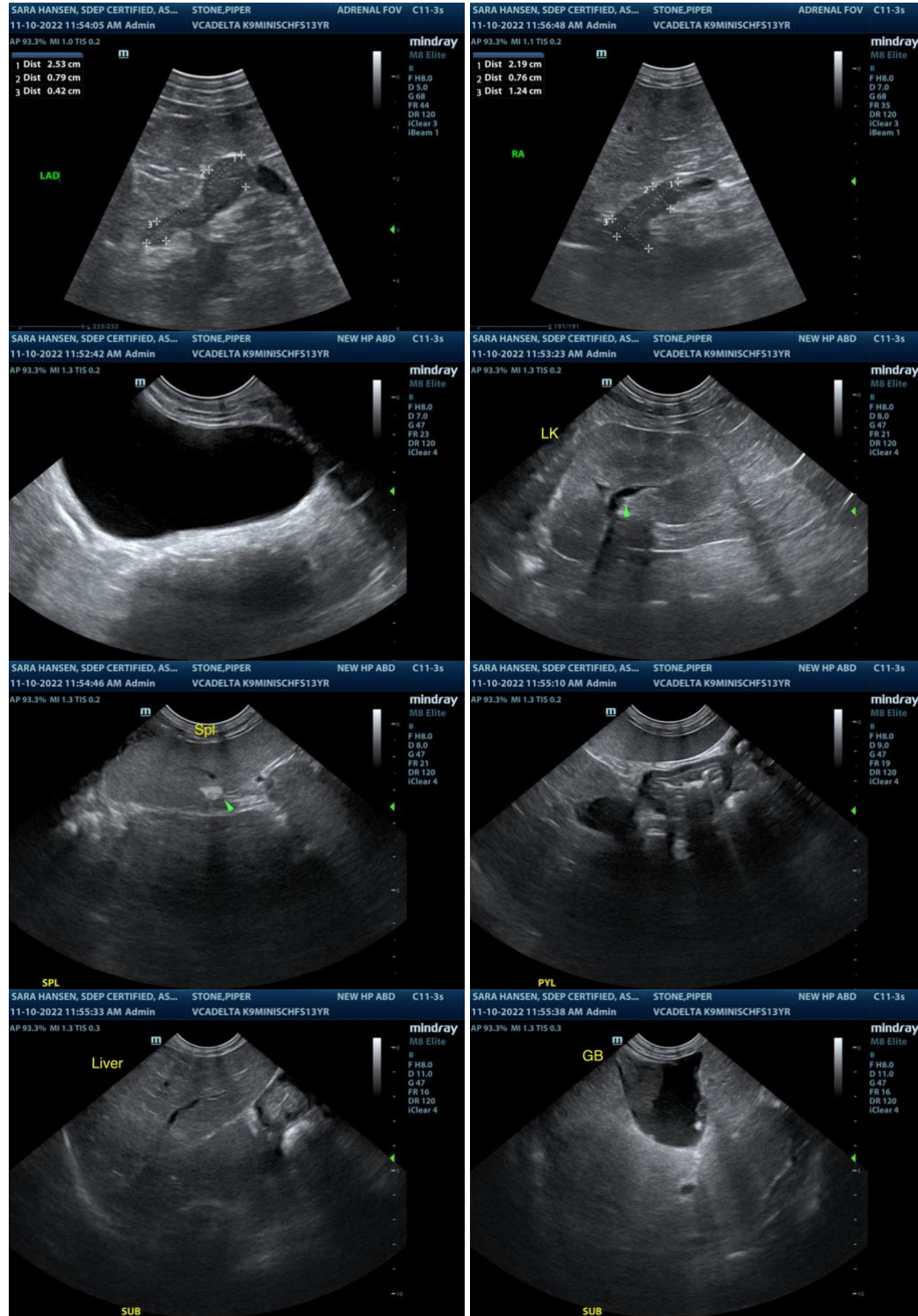
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SEX

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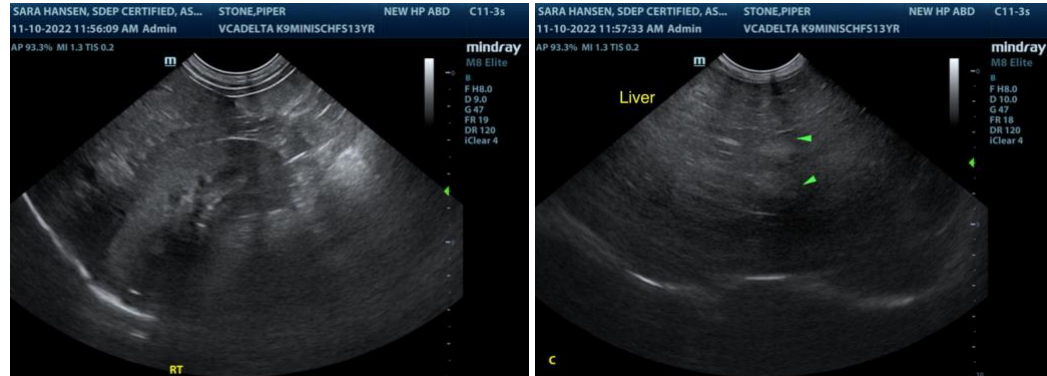
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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