



PATIENT PRESENTING CLINICAL SIGNS

Rocket Anderson

Evaluated for hindlimb weakness and ataxia 6/7/23. On treatment for Hypertension with Enalapril
Abnormal PE/Chem/CBC/UA Results: Bloodwork - elevated ALT (634), elevated ALP (1417),
elevated GGT (23) Renal values normal - Creatinine 0.4 CBC - mild reticulocytosis UA - pending Bile
acids - normal Low Dose Dex Suppression- pre 1.6, post 4 hr 1.0, post 8 hr 2.8 = per Idexx may support
Cushing's disease

SPECIES

Canine

BREED

Chihuahua

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

Neutered Male

The **urinary bladder** was normal in size and shape. The serosal and mucosal surfaces were smooth and curvilinear. The bladder wall was normal in thickness for the volume of urine present. The urine was anechoic with a mild amount of suspended echogenic sediment. The ureters were not visible, which is normal. The bladder trigone was normal. The pelvic urethra was visualized to a depth of 1 cm past the prostate and was normal in thickness and tone.

AGE

10 Years

The residual **prostate** was visualized and found to be normal in size and echogenicity. The prostate measured 1 cm in width.

WEIGHT

9.1 Pounds

The **iliac trifurcation** was visualized and evaluated with color doppler. There was normal vascular perfusion with no evidence of thrombus formation. The medial iliac lymph nodes were visualized and found to be normal in size, shape and echogenicity.

INTERPRETED BY

Karen Ebersole, DVM,
DABVP (Canine and
Feline)

Both **kidneys** were of a normal size, shape, and position. The capsule was mildly irregular without capsular expansion. There was mild to moderate increase in cortical echotexture. A slightly asymmetrical 1:3 cortex to medulla ratio was present, with a mild loss of corticomedullary distinction. These changes are largely as expected for the age of the patient. There were variably sized, nonobstructive medullary mineralization without pelvic dilation. There was a small renal cortical cyst in the left kidney. The left kidney measured 4.6 cm in length. The right kidney measured 4.3 cm in length.

IMAGING PERFORMED BY

Dr. Gudrun Gunther

Adrenal Glands

HOSPITAL NAME

New Frontier AMC

Both **adrenal glands** were swollen and mildly enlarged for the size of the patient. The capsule of each gland was smooth with no evidence of capsular expansion. The echogenicity was mildly hypoechoic. There was no evidence of vascular invasion, inflammation, nodules or masses in either adrenal gland. The left adrenal gland measured 0.6 cm at the cranial pole and 0.6 cm at the caudal pole. The right adrenal gland measured 1.2 cm at the cranial pole and 0.6 cm at the caudal pole.

REFERRING VET

Dr. Gudrun Gunther

Spleen

INVOICE

44236

The **spleen** was normal size and shape with a smooth capsule contour. The spleen was in a normal position. The parenchyma had a finely textured and homogenous echogenicity. The vasculature was normal in structure, with no evidence of thrombus on power doppler examination.

DATE

7/20/23

Liver

The **liver** was increased in size with a rounded capsule contour. The parenchyma was normal in echogenicity, with a mildly coarse echotexture. The hepatic and portal veins were normal in size and structure, with no visible congestion. The **gallbladder** was normal in size and shape. The gallbladder wall was thin and echogenic. The gallbladder contained a moderate amount of biliary sludge, seemingly



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mobile, with no pericycstic inflammation. The cystic duct and common bile duct were visualized and found to be normal in size and shape.

SPECIES

Canine

Gastrointestinal

The **stomach** was largely empty with normal size, shape, and position. The stomach wall was normal in thickness and maintained appropriate layering. The **small intestine** displayed normal curvilinear patterns throughout, with normal wall thickness and layering. Normal peristalsis was present. The visible **colon** wall was normal in thickness and layering. There were no visible masses or focal lesions.

BREED

Chihuahua

Pancreas

The left limb, body and right limb of the **pancreas** were visualized and found to be normal in size and shape. The pancreatic capsule was smooth, without deviation or expansion. The parenchyma was isoechoic to the surrounding mesentery. The pancreatic duct was normal in size and appearance. There was no evidence of discrete masses or inflammation.

SEX

Neutered Male

Free Abdomen

AGE

10 Years

No peritoneal effusion or lymphadenopathy was noted on examination of the peritoneal cavity.

WEIGHT

9.1 Pounds

ULTRASONOGRAPHIC FINDINGS

INTERPRETED BY

Karen Ebersole, DVM,
DABVP (Canine and
Feline)

- Bilateral mild adrenomegaly
- Age related kidneys with non-obstructive mineralizations and cysts
- Mild bladder sediment
- Moderate hepatomegaly with vacuolar hepatopathy pattern
- Mild gallbladder sludge (non-mucocele)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING PERFORMED BY

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Combined with the history and LDDT, this study supports a PDH diagnosis. Assuming the clinical signs are consistent as well, medical treatment is recommended. Continued monitoring of BP is indicated. A urinalysis is recommended, +/- culture and sensitivity.

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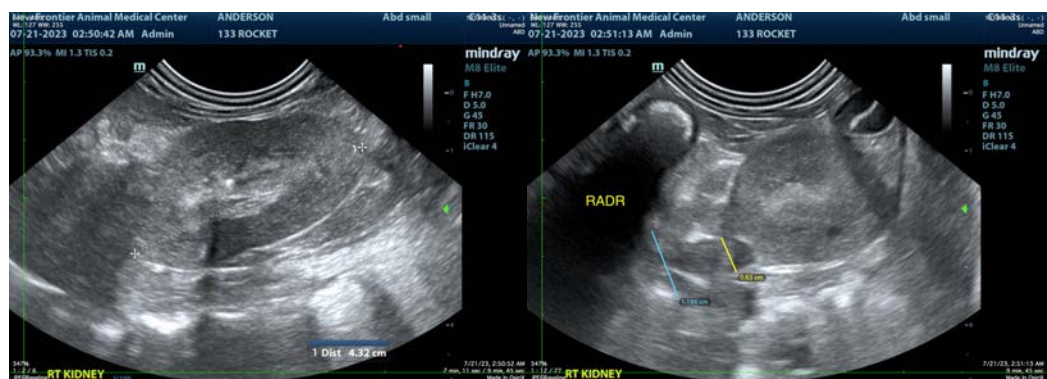
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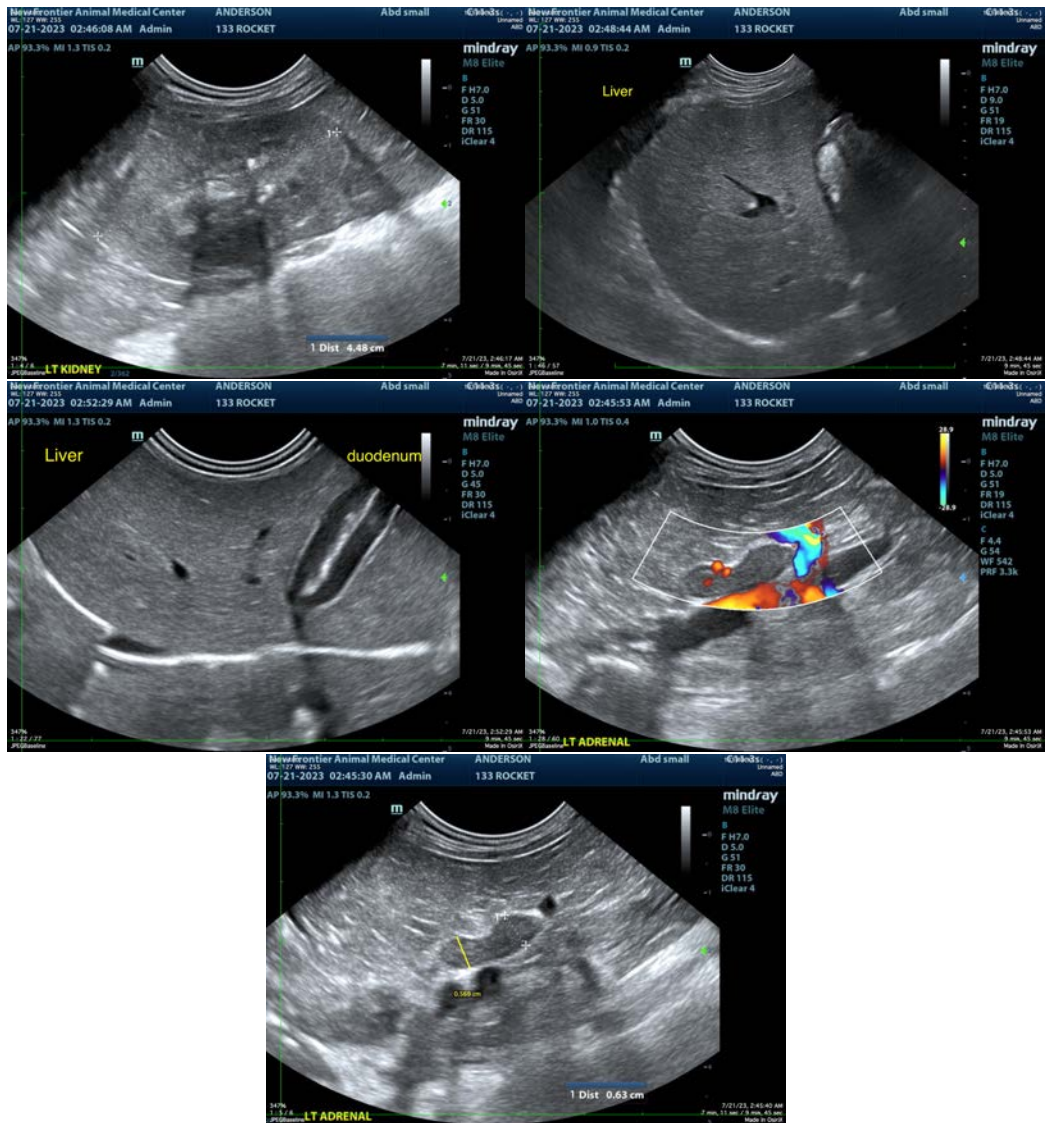
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Karen Ebersole, DVM, DABVP (Canine and Feline practice)
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