



PATIENT

Marty Wood

SPECIES

Canine

BREED

Bernese Mountain
Dog Mix

SEX

MN

AGE

9 years and 6
months old

WEIGHT

34 kgs

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Jill Rankin

HOSPITAL NAME

Signal Hill AC

REFERRING VET

Dr. Sweet

INVOICE

10727

DATE

3/25/26

PRESENTING CLINICAL SIGNS

History:

- Marty, a Bernese Mountain Dog mix, presented for lethargy and abnormal behavior. Initial diagnostics such as x-rays were reportedly unremarkable.
- On March 9, laboratory testing was performed. A CBC was unremarkable. The chemistry panel revealed a borderline low potassium at 4.0 and a mildly elevated ALT at 133 (reference range high 121). A free catch urinalysis showed a specific gravity of 1.046, pH of 8.5, 2+ proteinuria, 1+ bilirubinuria, 2-5 WBC/hpf, and 6-10 RBC/hpf. A T4 level was normal at 20.2.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

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 were noted.

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

No evidence of pathology in the area of the aortic trifurcation.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 7.0 cm in length. The right kidney measured 6.3 cm in length.

Adrenal Glands

The left adrenal gland was subjective borderline subnormal in size (given patent breed and bodyweight) with a uniformly hypoechoic parenchyma and normal contour. The left adrenal gland measured 0.51 cm width at the caudal pole. The right adrenal gland was subjective borderline subnormal in size (given patent breed and bodyweight) with a uniformly hypoechoic parenchyma and normal contour. The right adrenal gland measured 0.47 cm width at the caudal 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 was subjectively normal in size, structure, and contour. Normal hepatic vascular volume was present. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture.



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The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty without evidence of retained ingesta, fluid, or foreign material.

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.

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

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.

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

- Overall sonographically unremarkable abdomen
- Borderline subnormal bilateral adrenal size
- Sonographically unremarkable normal volume liver

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is no evidence of visceral pathology as a definitive cause of the patient's clinical signs. The mild hepatopathy is consistent with benign criteria. Potential for low-grade to emerging hepatic nonspecific inflammatory disease in conjunction with ALT elevation may be suspected. Monitoring with potential hepatosupportive medications is recommended.

The adrenal glands may be a patient variant. Screening cortisol level to assess for or rule out occult Addison's Disease is warranted. Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered.



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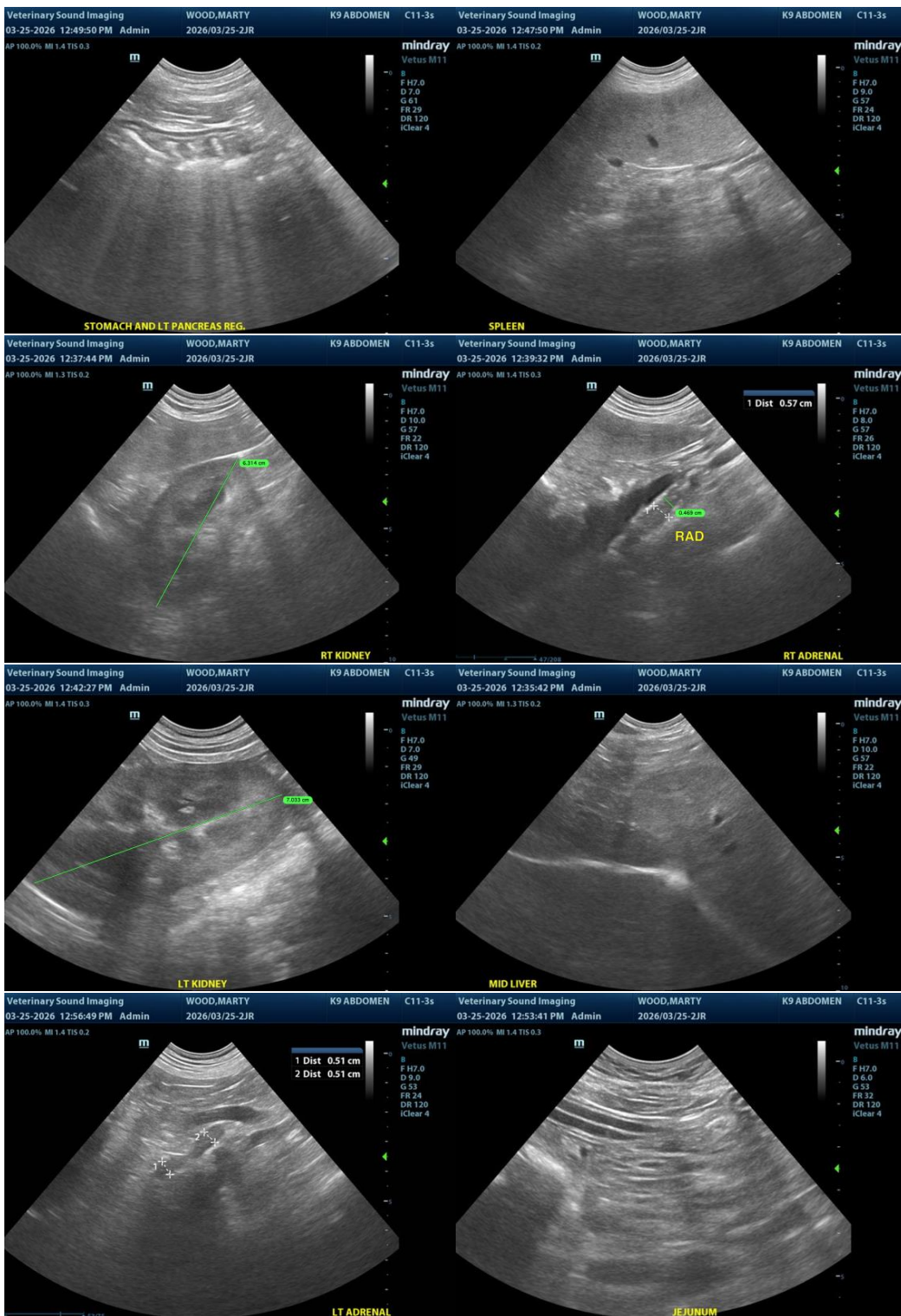
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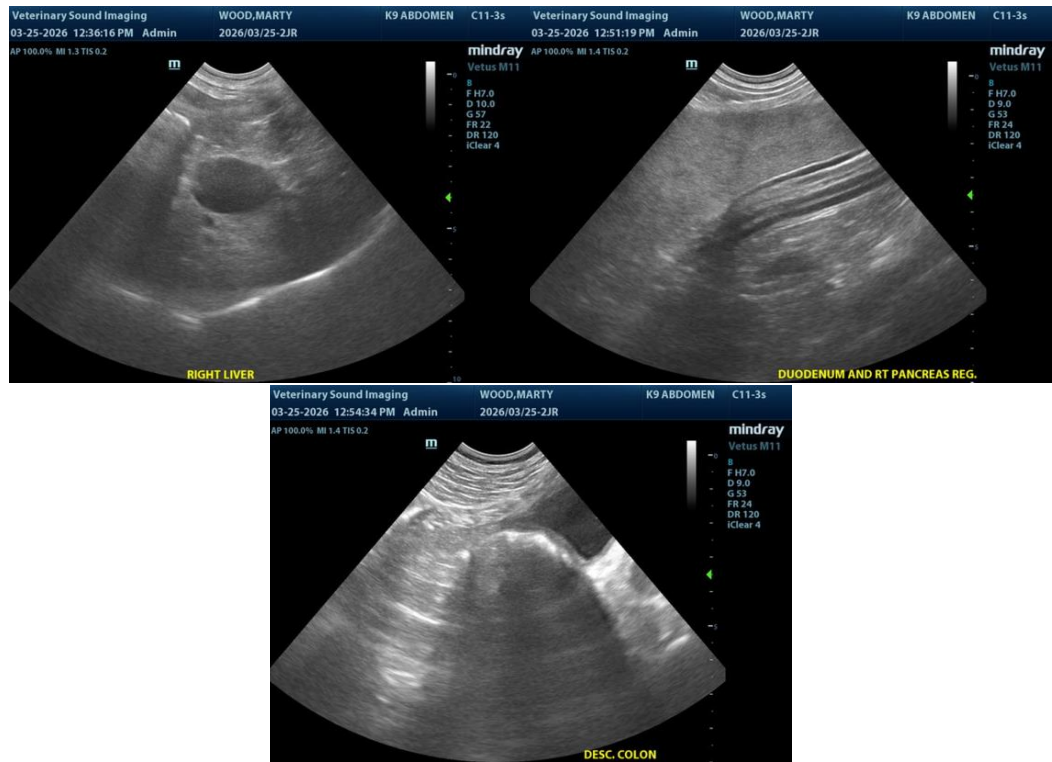
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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info@sonopath.com