



PATIENT

Bentley Henderson

SPECIES

Canine

BREED

Mastiff

SEX

Neutered male

AGE

7 years

WEIGHT

162 lbs

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Brian Klug Technician

HOSPITAL NAME

Sondel Family VC

REFERRING VET

Dr. Frankenthal

INVOICE

42447

DATE

1/2/23

PRESENTING CLINICAL SIGNS

History: chronic vomiting and loose stool for the last year. has gotten worse since o had to switch his regular food during covid as couldn't source the food he was on. o reports since starting B12 injections and HP food, he has not had any vomiting and stools have been formed over the last week or so
Abnormal PE/Chem/CBC/UA Results: CBC/Chem/T4 all wnl GI panel - low normal cobalamin, low folate Low cortisol but ACTH stim was wnl

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **bladder** the bladder was moderately distended with anechoic urine. The bladder wall was of normal thickness and tone. The trigone was normal. The ureters were not visualized which is normal. The preprostatic urethra was examined 3 cm beyond the cystourethral junction and found to be normal in size and tone. The residual prostate measured 1 cm in width and 1.8 cm in length, with normal echogenicity and shape.

The **left kidney** displayed mild aging changes. The left kidney was of normal size for age and breed, measuring 8.5 cm. There were mild cortical mineralization and mild irregular capsule contour. There was no pyelectasia. No renoliths or other focal abnormalities noted.

The **right kidney** displayed mild aging changes. The kidney was of normal size for age and breed, measuring 8.5 cm. There was mild cortical pinpoint mineralization. There was no pyelectasia present. No renoliths or other focal abnormalities noted.

The **iliac trifurcation** was examined and found to be normal. A medial Iliac lymph node measured 1.2 cm in length and 0.6 cm in width, with normal shape and echogenicity.

Adrenal Glands

The **left adrenal gland** was visualized and found to be normal in size and shape with normal echogenicity. There were no visible masses or capsular expansion. There was no vascular invasion noted. The left adrenal gland measured 0.69 cm at the cranial pole and 0.6 cm at the caudal pole.

The **right adrenal gland** was visualized and found to be normal in size and shape with normal echogenicity. There were no masses or focal abnormalities. There was no vascular invasion noted. The right adrenal gland measured 1.4 cm by 2.7 cm at the cranial pole and 0.8 cm at the caudal pole.

Spleen

The **spleen** was normal in size, shape, and echogenicity. The splenic parenchyma was mildly hypoechoic to the liver which is normal. There were no focal masses or abnormalities noted. The splenic hilus appeared normal with no visible infarcts.

Liver

The **liver** presented normal size and shape. The capsule contour was smooth without deviations. There was normal echogenicity to the parenchyma. No focal masses were noted. The hepatic vasculature was normal in size and structure. The **gall bladder** was normal in size and shape. The gallbladder walls were thin with no visible inflammation. The gallbladder contents were anechoic. There was no sign of biliary obstruction.



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Gastrointestinal

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The **stomach** wall exhibited normal layering and thickness. The stomach was empty and the mucosal-chyme interface was normal. The serosal surface of the stomach was normal with no inflammation. The **duodenum** was normal in wall thickness and layering. The **small intestine** displayed normal curvilinear patterns and distinct wall layering throughout. The small intestine walls were measured and found to be within normal limits. The **colon** wall was normal thickness and layering. The contents appeared normal. There were no focal masses or evidence of obstruction noted.

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Pancreas

The **pancreas** was well visualized with mild aging changes. The left limb of the pancreas was isoechoic to the surrounding tissues. The right limb of the pancreas presented mild nodular changes which are likely secondary to previous inflammation or a normal aging change.

SEX

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Free Abdomen

There was no free fluid or inflammation in the peritoneal cavity. There was no lymphadenopathy noted.

AGE

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ULTRASONOGRAPHIC FINDINGS

WEIGHT

162 lbs

- Structurally normal gastrointestinal tract
- Mild pancreatic changes, likely aging changes
- Mild bilateral renal aging changes

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no indication of neoplastic or significant inflammatory disease. The changes are largely as expected for the age and breed. IBD and/or food intolerance can at times present sonographically normal.

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Continuation of the hydrolyzed diet is recommended. Cobalamin supplementation should be continued; injectable once weekly or orally given daily. The recommended oral dose for this size dog would be 400 mcg PO SID for 4 weeks. (<https://vetmed.tamu.edu/gilab/research/cobalamin-information/>). Folate supplementation can be considered at 400 mcg PO for 4 weeks, considering the low folate levels.

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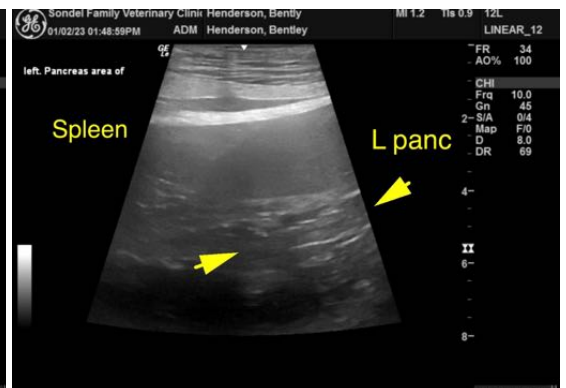
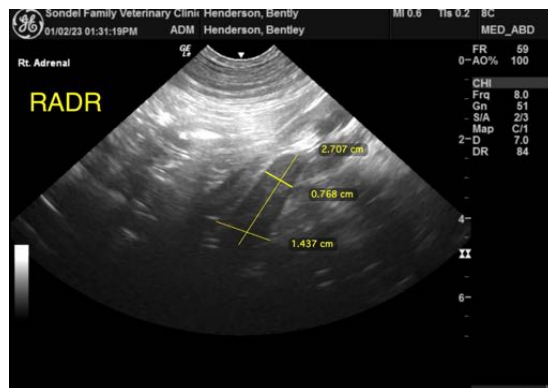
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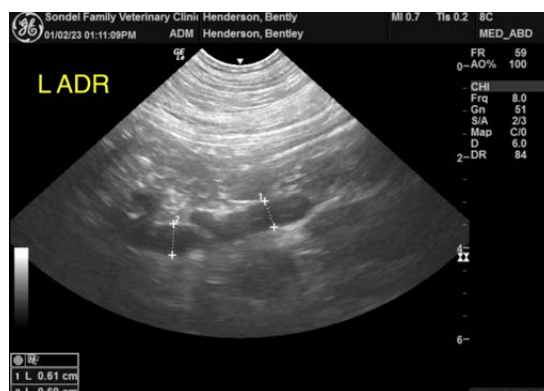
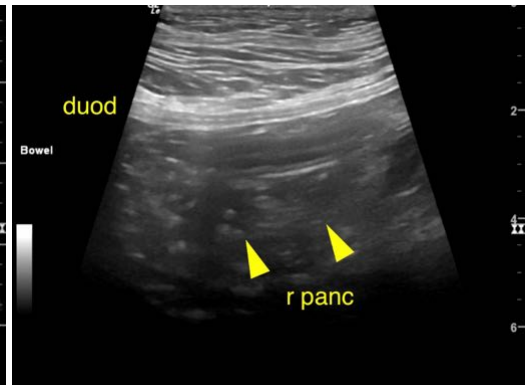
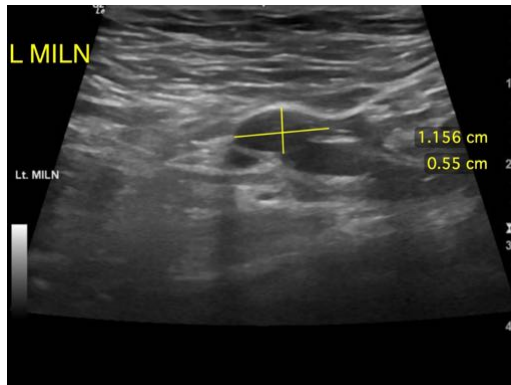
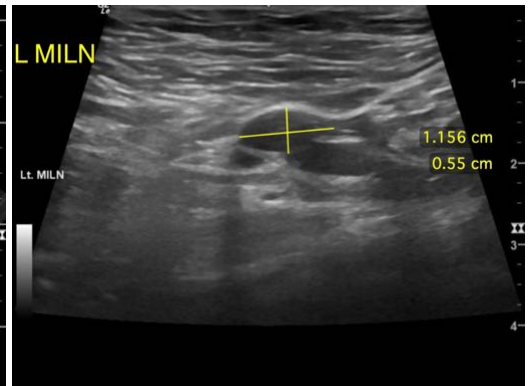
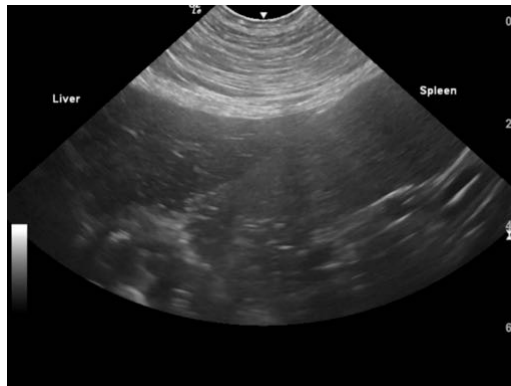
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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