



PATIENT PRESENTING CLINICAL SIGNS

Leo Lyon Intermittent diarrhea for >1 month, painful per owner Prednisone 5 BID, owner also dosed with Carprofen several days this week

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Bernese Mtn. Dog

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 5.0 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 was noted.

SEX

MN

The residual prostate exhibited subtle prominent size yet maintained symmetrical contour with subtle nonhomogeneous parenchyma, measuring 1.4 cm in diameter. No overt evidence of residual prostatic pathology was noted. The residual prostatic presentation is likely indicative of a patient variant.

AGE

2019

A solitary medial Iliac lymph node was present. The lymph node was essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). The lymph node measured 1.2 cm in diameter. This lymph node is not consistent with inflammatory or neoplastic criteria and is likely incidental.

WEIGHT

100

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 7.1 cm in length. The right kidney measured 6.6 cm in length.

INTERPRETED BY

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

Adrenal Glands

IMAGING

PERFORMED BY

Rebekah Jakum, CVT
 ARDMS/RVT

The bilateral adrenal glands exhibited subjective mild subnormal size, likely owing to Prednisone therapy. The left adrenal gland measured 0.43 cm width at the caudal pole and 0.50 cm width at the cranial pole. The right adrenal gland measured 0.60 cm width at the caudal pole and 0.51 cm width at the cranial pole.

HOSPITAL NAME

The Village
 Veterinarian

Spleen

REFERRING VET

Dr. Longenecker

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.

INVOICE

14061

Liver/ Gallbladder

DATE
 6/9/22

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non distended in size with



PATIENT mild echogenic, nonmineralized biliary sludge primarily in the caudal lumen and gallbladder neck. The gallbladder is otherwise normal. The cystic duct and common bile ducts were normal without evidence of dilation.
 Leo Lyon

SPECIES *Gastrointestinal*

Canine 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.

BREED 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.

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

SEX *Pancreas*

MN 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 were evident.

AGE *Free Abdomen*
 2019

No overt lymphadenopathy or peritoneal effusion was present.

WEIGHT **ULTRASONOGRAPHIC FINDINGS**

100

- Overtly normal gastrointestinal tract / colon
- Minor focal medial iliac lymphadenopathy - subjectively incidental, not consistent with inflammatory or neoplastic criteria
- Minor gallbladder debris - incidental

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 DVM, DABVP
 (Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overall, no evidence of significant abdominal visceral pathology specifically no evidence of gastroenterocolic mural changes. At times, the sonographic presentation of the gastrointestinal tract does not always correlate with current gastrointestinal signs. Potentially, current Prednisolone therapy may be masking intestinal mural changes. In patients with intermittent gastrointestinal signs, dietary intolerance / food hypersensitivity, dysbiosis, and structurally insignificant inflammatory bowel could be possible.

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 ARDMS/RVT

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An obvious source of intraabdominal pain was not evident. Empirically, a limited antigen or hydrolyzed diet trial with potential long-term dietary therapy, prophylactic deworming (Panacur 50 mg/kg SID x 5 consecutive days with repeat protocol in 3 weeks even if fecal testing is negative), high colony count probiotic (Proviale or Visbiome), antibiotic trial and as needed gastrointestinal support with assessment of clinical response may prove beneficial. A GI panel to include PLI/TLI/Cobalamin/Folate may be considered if persistent/ progressive diarrhea or generalized gastrointestinal signs.



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BREED

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REFERRING VET

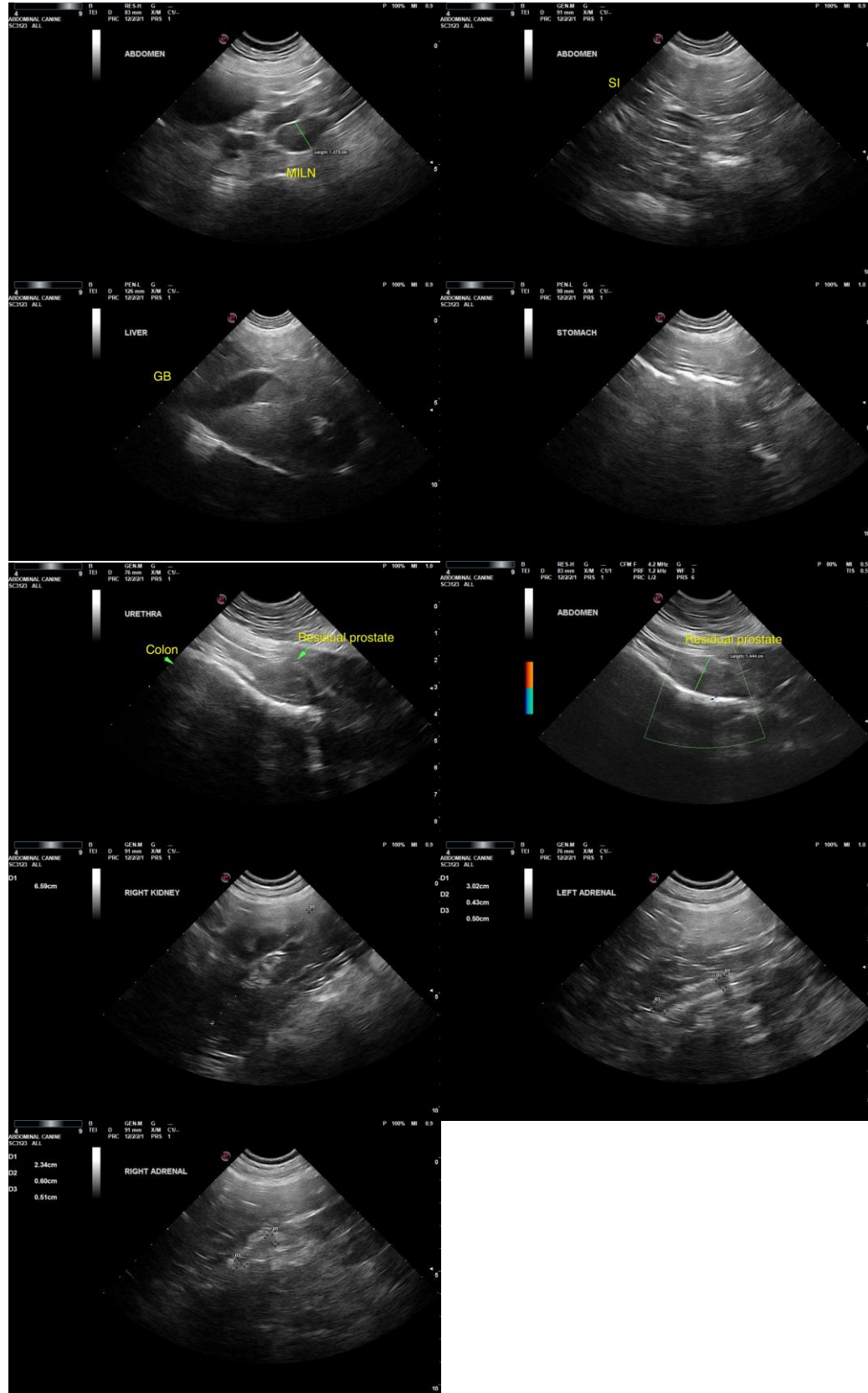
Dr. Longenecker

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PATIENT

Leo Lyon

SPECIES

Canine

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.

BREED

Bernese Mtn. Dog

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.

SEX

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MN

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