



**PATIENT**

Diesel Strayer

**SPECIES**

Canine

**BREED**

Labrador

**SEX**

Intact Male

**AGE**

8 Years

**WEIGHT**

75 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV

DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Brian Klug

**HOSPITAL NAME**

Sondel Family Vet  
Clinic

**REFERRING VET**

Dr. Kara Wallisch

**INVOICE**

40029

**DATE**

8/1/22

**PRESENTING CLINICAL SIGNS**

Severe liquid diarrhea with intermittent vomiting for past few months. Weight loss ~10lbs in 2-3 months. HP diet trial and Purina EN trial did not help. Metronidazole helps sometimes but only minimally. Currently eating rice and boiled hamburger. Often has a fairly good appetite despite weight loss, but appetite has declined recently.

Abnormal PE/Chem/CBC/UA Results: Abdominal radiographs: nsf, Fecals: negative, PE: enlarged prostate on rectal, symmetrical; BCS 3/9; rest of PE wnl CBC/Chem: nsf, Resting cortisol: normal, Pending FNA cytology of enlarged LN seen during AUS today

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal.

The **prostate** was moderately enlarged (3.4 cm in width) with lobar swelling appeared to impinge upon the urethra and mildly deviate the descending colon. The prostatic tissue was hyperechoic containing focal areas of decreased echogenicity. These changes are suggestive of either chronic inflammatory episodes, benign cystic pathology or both. Underlying neoplasia cannot be completely ruled-out but is lower on the differential list. This presentation is most consistent with benign prostatic hyperplasia with possible active prostatitis.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 7.63 cm. The left kidney measured 7.74 cm.

**Adrenal Glands**

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 0.85 cm at the cranial pole and 0.77 cm at the caudal pole. The left adrenal gland measured 0.70 cm at the caudal pole and 0.57 cm at the cranial pole.

**Spleen**

The **spleen** presented subtle micronodular changes and minor enlargement.

**Liver**

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.



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**Gastrointestinal**

Diesel Strayer

The **gastrointestinal tract** was largely unremarkable other than minor intestinal thickening in the distal jejunum. A mesenteric lymph node was enlarged, hypoechoic and irregular, measuring 2.0 cm x 1.0 cm. Mild regional inflammation also noted.

**SPECIES**

Canine

**Pancreas**

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

**BREED**

Labrador

**Free Abdomen**

Trace free fluid present, likely owing to mild lymphatic congestion.

**SEX**

Intact Male

**ULTRASONOGRAPHIC FINDINGS**

**AGE**

8 Years

- Moderate to severe prostatomegaly/BPH pattern
- Mildly enlarged, micronodular spleen
- Minor intestinal thickening
- Mesenteric lymphadenopathy
- Trace free fluid

**WEIGHT**

75 Pounds

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Neutering should prove effective. If neutering is not an option, then a clinical trial of the following off-label could be considered: Finasteride (Propecia) (0.1-0.5 mg/kg Sid) treatment is indicated +/- FNA or prostatic wash cytology and culture.

**INTERPRETED BY**

Eric Lindquist, DMV

FNA of the spleen indicated with cytology and culture. Mesenteric lymph nodes were sampled without complication. Potential for emerging round cell neoplasia.

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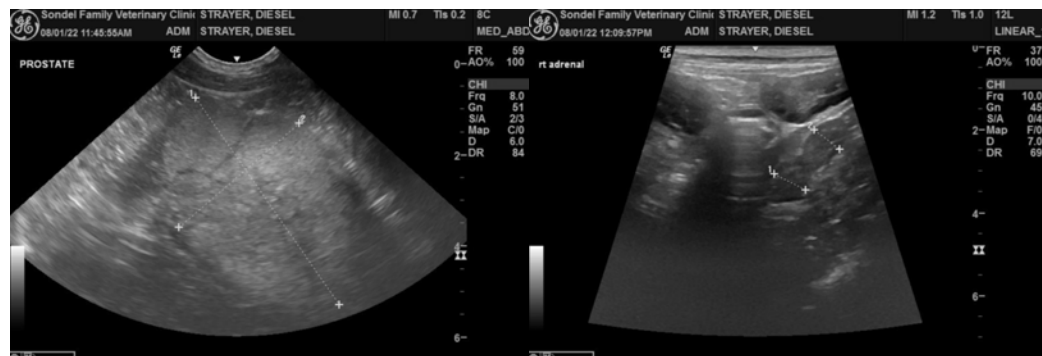
Maldigestion panel, three view chest radiographs and full CNS examination is recommended to examine for occult disease that could be responsible for the weight loss. Evaluation for competitive eating environments should also be considered.

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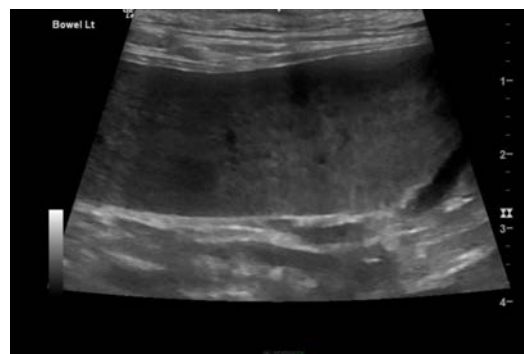
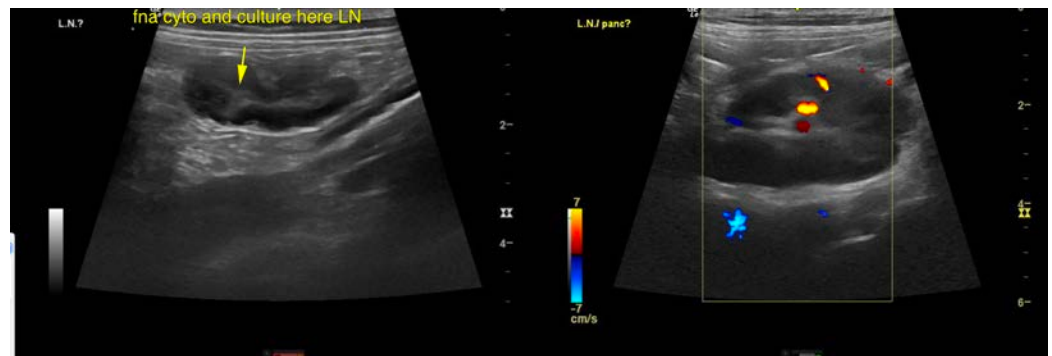
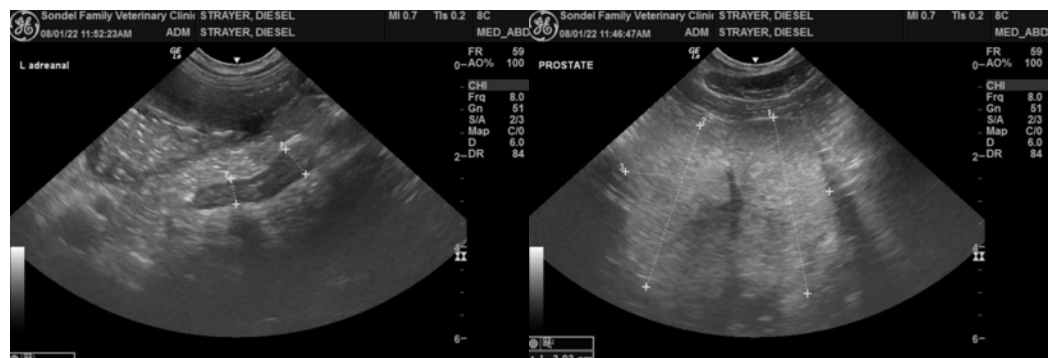
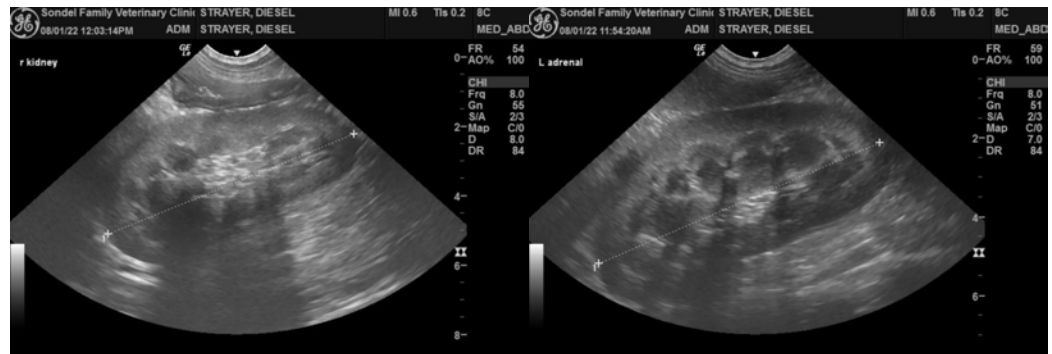
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

**SPECIES**

Canine

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.

**Eric Lindquist**, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

[info@SonoPath.com](mailto:info@SonoPath.com)

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