



**PATIENT PRESENTING CLINICAL SIGNS**

Leo Brown Vomiting, lethargy. Stool soft, yellow. Abdomen tense on palpation. 8 Lb weight loss since August. History of splenectomy in 2021.

**SPECIES**

Canine

ABNORMAL Laboratory Findings -PCV 21.9%, Retic 23. WBC 33,600 with elevation in both Monocytes and Neuts, TP 6.5 Albumin 2.4, Glob 4.1, Bacteriuria, 2+ protein.

**BREED**

Rottweiler

Current Medications: Cerenia

Radiographic Findings: None

**SEX**

Intact Male

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**AGE**

9 Years

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.

**WEIGHT**

112 Pounds

The **prostate** was uniformly enlarged (6.0 cm) 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. Neutering or off-label Finasteride (Propecia) (0.1-0.5 mg/kg Sid) treatment is indicated +/- FNA or prostatic wash cytology and culture.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The right kidney measured 8.5 cm. The left kidney measured 8.4 cm.

**IMAGING PERFORMED BY**

Sara Hansen

**HOSPITAL NAME**

Cottage Grove VC

**Adrenal Glands**

The region of the **right adrenal gland** was unremarkable.

**REFERRING VET**

Dr. Carrie Damewood

The **left adrenal gland** was mildly enlarged and slightly heterogeneous, measuring 3.97 cm x 1.01 cm at the cranial pole and 1.04 cm at the caudal pole.

**Spleen**

**INVOICE**

44295

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

**DATE**

1/18/23



**PATIENT** *Liver*

Leo Brown The **liver** was riddled with multiple masses and cavitations, strongly suggestive for a metastatic pattern, deviating the gallbladder. Expansive masses occupied the cranial abdomen with regional inflammation. Undifferentiated masses also noted in the cranial abdomen.

**SPECIES**

Canine

**Gastrointestinal**

Examination of the **gastrointestinal tract** revealed gastric stasis. Deviation of the pyloric angle owing to hepatic masses noted. The small intestine and colon were unremarkable.

**BREED**

Rottweiler

**Pancreas**

**SEX**

Intact Male

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.

**AGE**

9 Years

**Free Abdomen**

The testicles were imaged. The right testicle was uniform. The left epididymis was mildly thickened.

**WEIGHT**

112 Pounds

**ULTRASONOGRAPHIC FINDINGS**

- Diffuse hepatic neoplastic pattern – consistent with likely metastatic disease.
- BPH prostate
- Left testicular epididymitis pattern
- Slightly enlarged, heterogeneous left adrenal gland
- Gastric stasis
- Age related kidneys

**INTERPRETED BY**

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Prognosis is poor.

**IMAGING PERFORMED BY**

Sara Hansen



**HOSPITAL NAME**

Cottage Grove VC

**REFERRING VET**

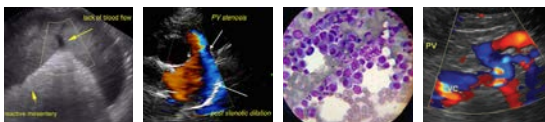
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Leo Brown

## SPECIES

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## BREED

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## SEX

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## WEIGHT

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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.

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

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