



**PATIENT PRESENTING CLINICAL SIGNS**

Roxi Luebbert chronic diarrhea, weight loss intermittent vomiting inappetence

**SPECIES** Abnormal PE/Chem/CBC/UA Results: Current Medications Imodium, Metronidazole, Fortiflora

Canine **ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED** *Urinary System*

Mastiff 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.

**SEX**

Spayed Female

**AGE**

11 Years

**WEIGHT**

96 Pounds

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 left kidney measured 7.1 cm. The right kidney measured 7.38 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 2.86 cm x 1.5 cm at the cranial pole and 0.72 cm at the caudal pole. The left adrenal gland measured 3.16 cm x 0.57 cm at the caudal pole and 0.71 cm at the cranial pole.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

*Spleen*

**IMAGING PERFORMED BY**

Sara Hansen

The **spleen** was largely smooth with subtle heterogeneous parenchymal changes while maintaining normal echogenic relationship to the liver and kidney. These changes are consistent with normal age-related alteration. Heterogeneous nodular changes noted up to 1.5 cm at the mid caudal body, non-disruptive. A separate nodule noted measured 2.0 cm at the mid splenic body. The capsule was smooth without noticeable impingement from within the spleen or from pathology in the adjacent abdomen. The splenic vasculature demonstrated normal volume without signs of congestion or significant contraction.

**HOSPITAL NAME**

Countryside AC

*Liver*

**REFERRING VET**

Dr. Cox

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

**INVOICE**

41796

**DATE**

9/30/22



**PATIENT** *Gastrointestinal*

Roxi Luebbert Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

**SPECIES**

Canine

**Pancreas**

**BREED**

Mastiff

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.

**SEX**

**Other**

Spayed Female Rapid view of the heart revealed no evident pathology.

**AGE**

11 Years

- Nodular spleen
- Age related renal changes
- Age related hepatic changes

**WEIGHT**

96 Pounds

**ULTRASONOGRAPHIC FINDINGS**

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

FNA of the spleen warranted to assess for nodular hyperplasia versus round cell neoplasia. Minor potential for hemangiosarcoma. 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.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Sara Hansen

**HOSPITAL NAME**

Countryside AC

**REFERRING VET**

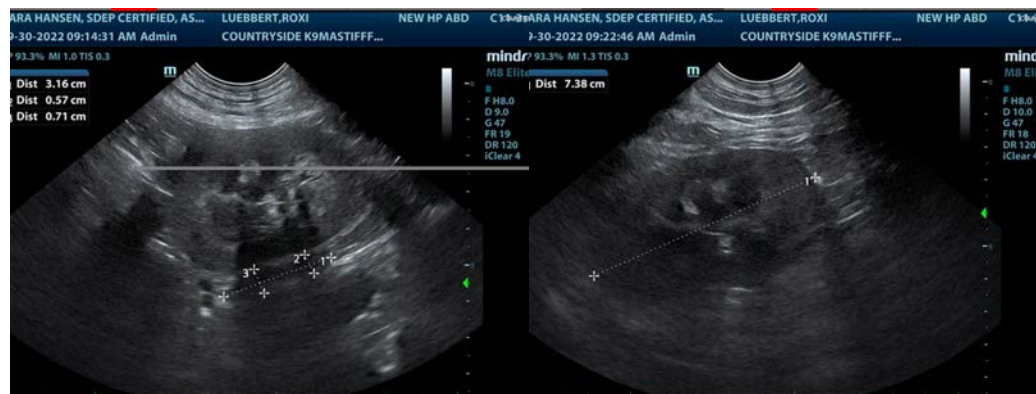
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**PATIENT**

Roxi Luebbert

**SPECIES**

Canine

**BREED**

Mastiff

**SEX**

Spayed Female

**AGE**

11 Years

**WEIGHT**

96 Pounds

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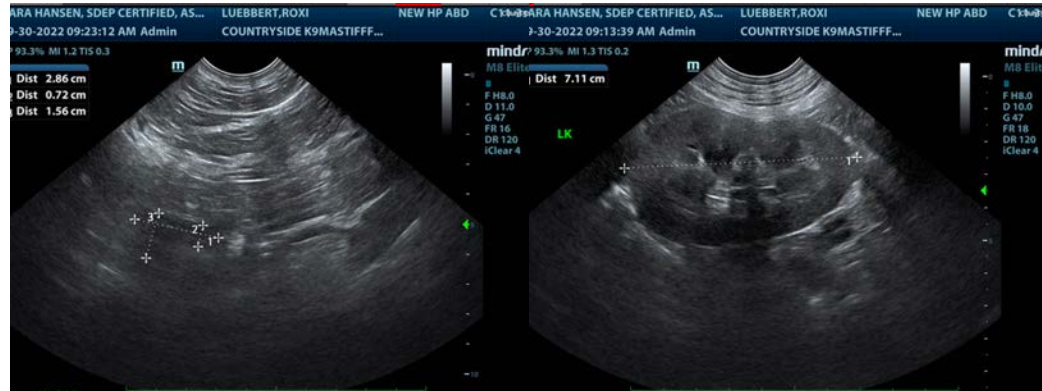
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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

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