



**PATIENT**

**PRESENTING CLINICAL SIGNS**

Sophie Eakins

History: Elevated liver enzymes; according to owners, no abnormalities at home.

**SPECIES**

Abnormal PE/Chem/CBC/UA Results: ALP 1955, ALT 260, GGT 24

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**BREED**

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.

Pomeranian

**SEX**

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some mild 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 3.4 cm. The right kidney measured 4.3 cm.

Spayed Female

**AGE**

10

**Adrenal Glands**

**WEIGHT**

14.4

Both **adrenal glands** were mildly swollen yet measurably normal with minor excessive measurement width on the right adrenal. The left adrenal gland measured 0.5 cm. The right adrenal gland measured 1.0 cm at the cranial pole and 0.64 cm at the caudal pole.

**INTERPRETED BY**

**Spleen**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

The **spleen** revealed uniform parenchyma. Cranial folding of the spleen was noted.

**Liver**

**IMAGING PERFORMED BY**

Melissa Pascucci

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some minor 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.

**HOSPITAL NAME**

American AH

**REFERRING VET**

Dr. Vogel

**Gastrointestinal**

**INVOICE**

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The **pylorus** was hypertrophied in this patient with echogenic mucosal changes. A minor amount of chyme was noted. No evidence of obstruction was noted. The small intestine and colon were unremarkable.

**Pancreas**

**DATE**

7/7/23

A minor amount of remodeling was noted in the **pancreas**. No evidence of active inflammation.



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## DATE

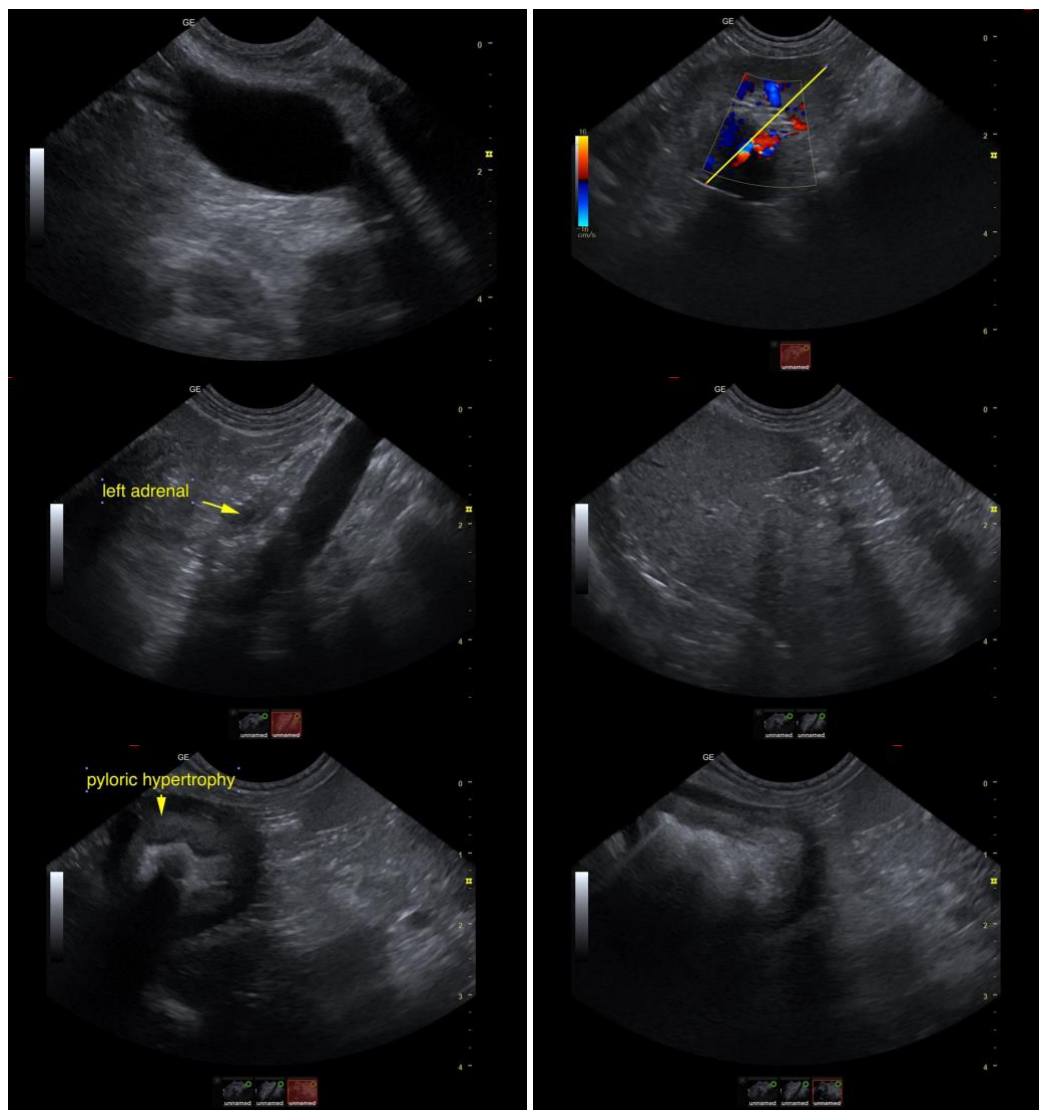
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## ULTRASONOGRAPHIC FINDINGS

- Prominent adrenal glands
- Pyloric hypertrophy- possible low grade gastric irritation.
- Minor pancreatic remodeling
- Benign hepatopathy
- Splenic fold
- Age-related renal changes

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

If the patient appears cushingoid and USG is < 1.020, then work up for PDH is indicated. Blood pressure measurements are indicated.





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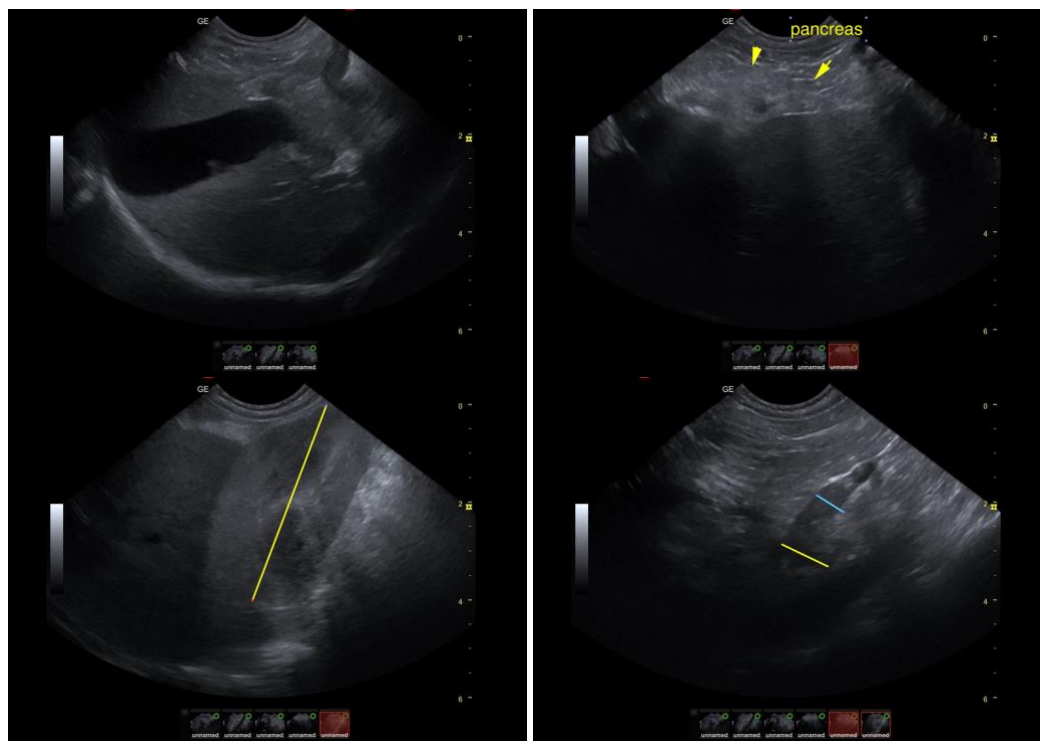
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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