



**PATIENT**

Gizmo Garcia

**SPECIES**

Canine

**BREED**

Yorkshire Terrier Mix

**SEX**

Neutered Male

**AGE**

6 Years

**WEIGHT**

13 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Daniel Finch

**HOSPITAL NAME**

Neighborhood Pet  
Health Center

**REFERRING VET**

Brandon Burge

**INVOICE**

15097

**DATE**

5/6/22

**PRESENTING CLINICAL SIGNS**

History: On original presentation pet presented for annual vaccinations, pet was bright, alert and responsive. Vital parameters were within normal limits. Mucous membranes were pink and moist with a normal capillary refill time <2 seconds. No murmurs or arrhythmias were appreciated on cardiac auscultation. The lungs were diffusely clear. EENT appear normal. No evidence of masses or dental disease on oral examination. Femoral pulses were strong and synchronous. No abnormalities were appreciated on abdominal palpation. All peripheral lymph nodes palpated smooth, soft and symmetrical. The hair coat was clean and clear of evidence of external parasites. BCS 5/9. The remainder of the physical exam was unremarkable.

Abnormal PE/Chem/CBC/UA Results: Original annual bloodwork revealed elevated ALT(455). Pet was not experiencing any issues at home at the time. recommended rechecking bloodwork in 3-4 weeks. At recheck, ALT continued to increase (now 643), ALP also doubled (from 41 to 84). Owner reports that pet is still acting completely normal.

**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 **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 left kidney measured 4.0 cm. The right kidney measured 4.0 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 left adrenal gland measured 0.45 cm at the caudal pole and 0.33 cm at the cranial pole. The right adrenal gland measured 0,47 cm at the caudal pole and 0.4 cm at the cranial pole.

**Spleen**

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.

**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



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pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

**Gastrointestinal**

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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.

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**Pancreas**

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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**

6 Years

**ULTRASONOGRAPHIC FINDINGS**

- Structurally unremarkable abdomen
- Structurally normal liver

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**WEIGHT**

13 Pounds

No evidence of pathology. Nonspecific subacute inflammatory hepatopathy. FNA could be considered for further definition of inflammatory cell type. Leptospirosis titers warranted yet structurally the liver appears unremarkable, as does the gallbladder and common bile duct.

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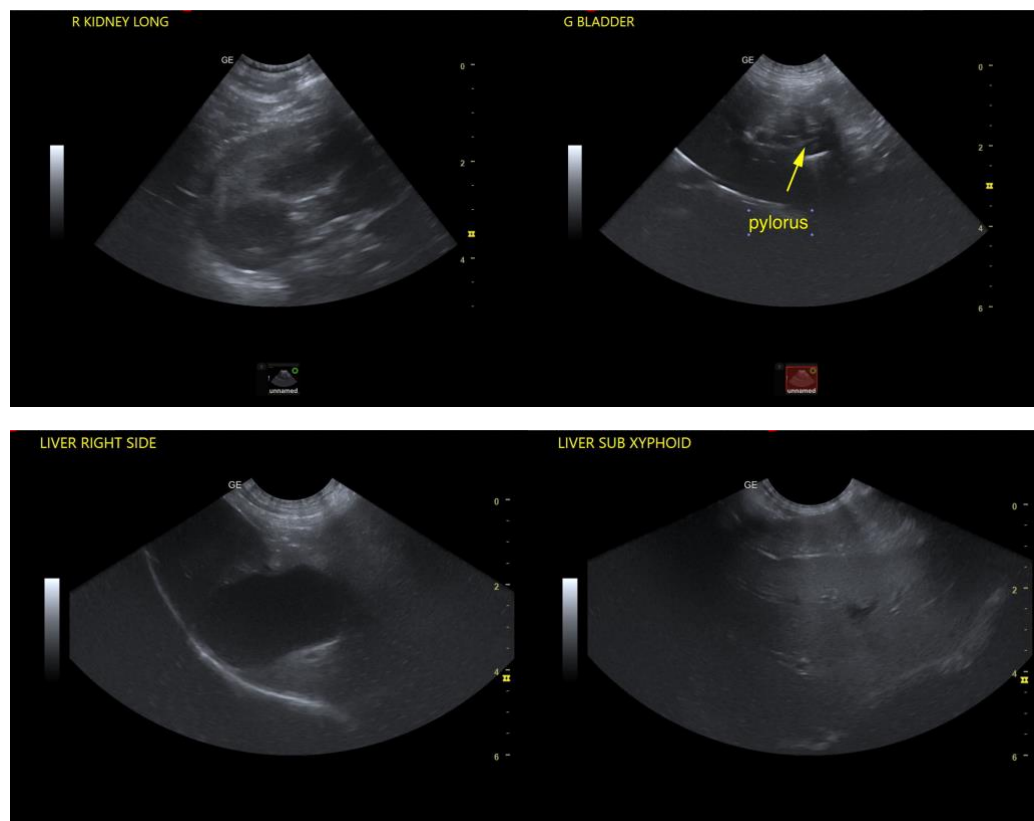
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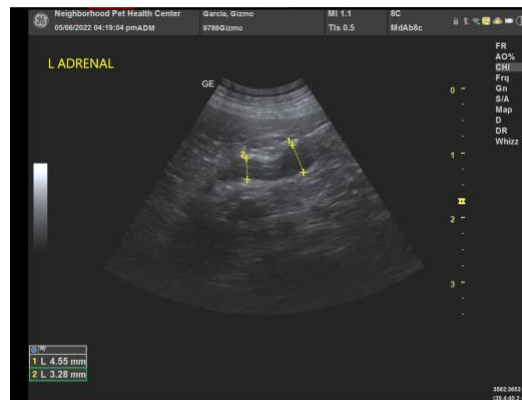
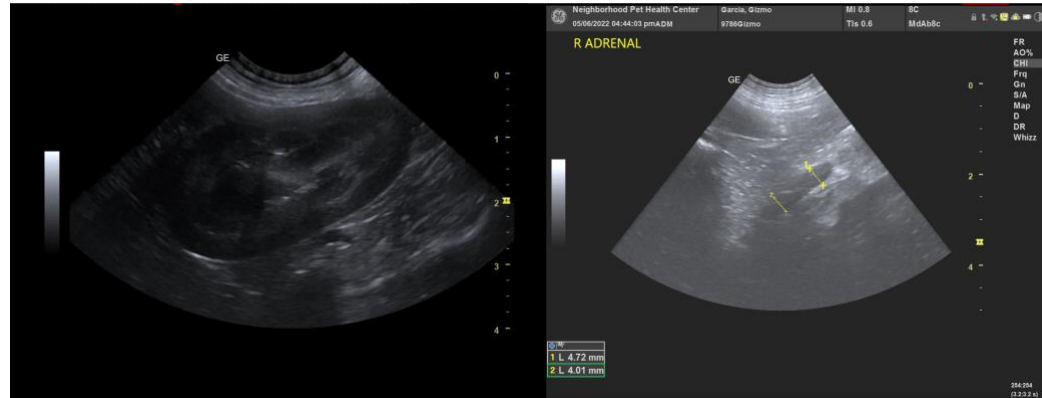
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**The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.**

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  
info@SonoPath.com