



**PATIENT**

**PRESENTING CLINICAL SIGNS**

Rosey Snyder Elevated ALT despite being on Denamarin (also on thyrotabs)  
Abnormal PE/Chem/CBC/UA Results: 9/21: ALT= 298, 10/21 ALT=418, 2/22 ALT=843

**SPECIES**

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine

**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 was noted. Ureteral papillae were normal.

Boxer

**SEX**

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 6.98 cm. The left kidney measured 6.68 cm.

Female

**AGE**

6 years

**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 1.23 cm x 0.41 cm. The right adrenal gland measured 2.02 cm x 0.54 cm.

**WEIGHT**

62 lbs

**Spleen**

The **spleen** revealed a hypoechoic nodule measuring 0.60 cm at the cranial body.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**Liver**

The **liver** revealed coarse architecture and mild increased portal markings. The gallbladder and common bile duct were unremarkable. Mild to moderate amount of hepatic remodeling. Non-specific chronic inflammatory hepatopathy.

**IMAGING PERFORMED BY**

Jessica Green

**Gastrointestinal**

**HOSPITAL NAME**

Stanglein VC

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.

**REFERRING VET**

Dr. Green

**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.

**INVOICE**

37443

**ULTRASONOGRAPHIC FINDINGS**

- Structurally unremarkable abdomen with non-specific inflammatory hepatopathy

**DATE**

5/5/22



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Rosey Snyder

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**BREED**

Boxer

**SEX**

Female

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6 years

**WEIGHT**

62 lbs

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**IMAGING PERFORMED BY**

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**HOSPITAL NAME**

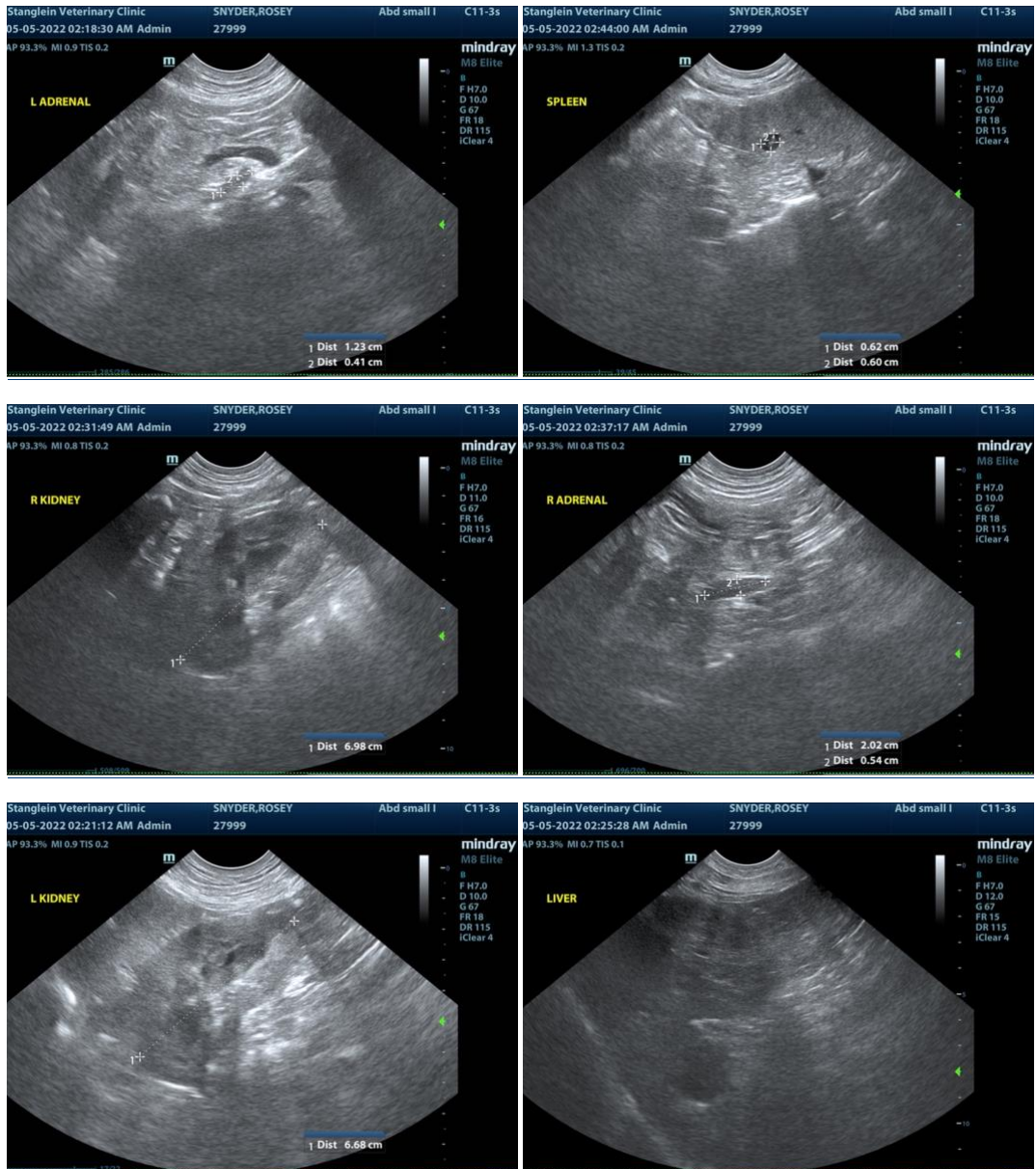
Stanglein VC

**REFERRING VET**

Dr. Green

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Leptospirosis titers warranted. Coagulation panel and core liver biopsy indicated to assess for structural disease. FNA could be considered to assess inflammatory cell type for long-term management. Copper storage is a potential, given the age of the patient, hence core biopsy would be ideal.



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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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