



**PATIENT**

Shey Shey Akhtar

**SPECIES**

Canine

**BREED**

Shih Tzu

**SEX**

Spayed Female

**AGE**

15 years

**WEIGHT**

17 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Chaley Hunt LVT

**HOSPITAL NAME**

Columbia AC

**REFERRING VET**

Dr. Engel

**INVOICE**

31357

**DATE**

6/29/22

**PRESENTING CLINICAL SIGNS**

**History:** Not eating for 3 days, history of liver disease, vomiting/gastritis off and on since 6/8/22. CBC and chemistry normal on 6/8/22. Urinalysis normal on 6/9/22. Current medications: Ursodiol and Galliprant consistently, Cerenia for the past several days.

**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 was noted. Ureteral papillae were normal.

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 this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The right kidney measured 4.6 cm. The left kidney measured 4.32 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 0.66 cm at the cranial pole and 0.56 cm at the caudal pole. The right adrenal gland measured 0.62 cm at the caudal pole and 0.53 cm at the cranial pole.

**Spleen**

The **spleen** in this patient was slightly enlarged with subtle micronodular changes.

**Liver**

The **liver** was uniformly swollen with minor, excessive gallbladder debris and over distension with dependent and suspended bile without evidence of overt mucocele formation. However, excessive sludge was present. The liver presented coarse architecture with mildly increased portal markings and subtle, mixed echogenic changes. This is consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. There was no overt suspicion of neoplasia.



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**Gastrointestinal**

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The **stomach** was mildly thickened with no loss of mural detail. The lumen was empty. The small intestines and colon were unremarkable.

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**Pancreas**

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The right limb of the **pancreas** revealed a mixed, hypoechoic parenchymal changes with hyperechoic surrounding fat. This is consistent with right limb pancreatitis. The region in question measures approximately 3.0 cm.

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**ULTRASONOGRAPHIC FINDINGS**

Chronic active pancreatitis, gastritis presentation.

There is no evidence of neoplastic criteria.

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Otherwise, geriatric abdomen is recommended.

**WEIGHT**

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

IV fluid support, 24 hour n.p.o. and pain management is all indicated with broad spectrum antibiotics and GI protectants. A clinical trial of the following may prove effective.

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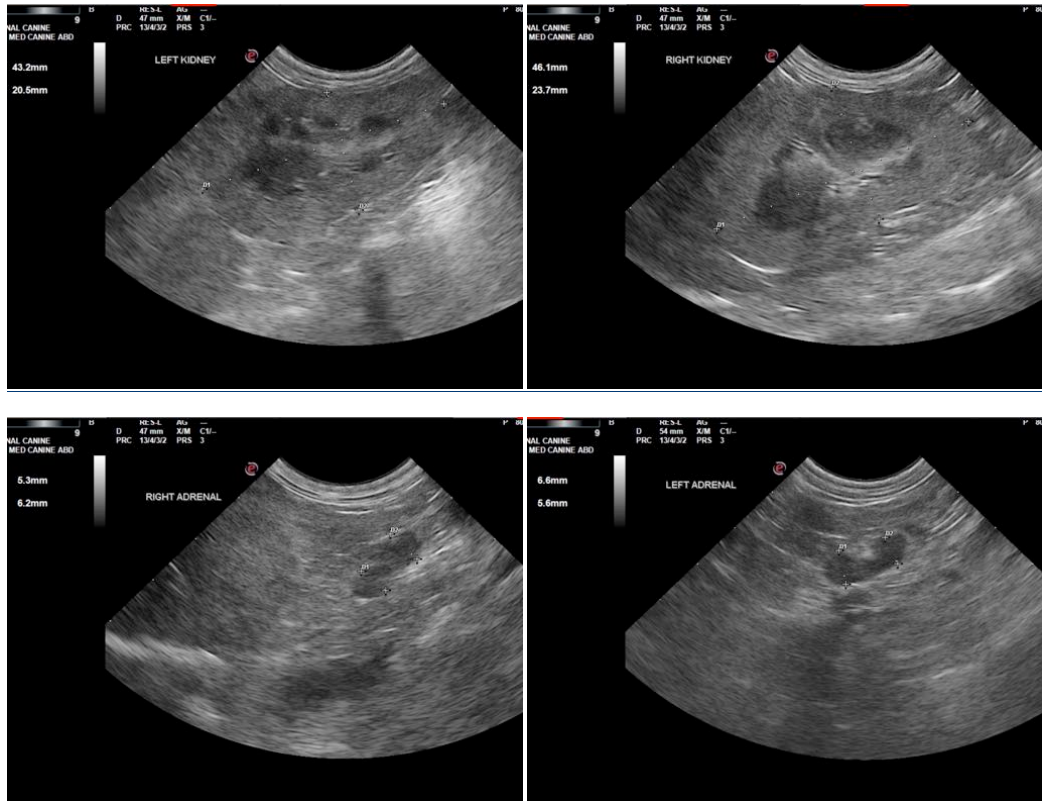
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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