



**PATIENT**

Tamean Hudson

**PRESENTING CLINICAL SIGNS**

Acute vomiting, non-responsive to Cerenia  
Increased glucose, increased TP, Increased globulin, decreased K.

**SPECIES**

Feline

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED**

Domestic Shorthair

**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.

**SEX**

Neutered male

**AGE**

14 years

The **kidneys** presented a relatively uniform cortical hyperechogenicity when compared to the renal medulla, spleen and liver. No overt masses were noted. Corticomedullary definition was nebulous and the ratio favored the cortex slightly. The ureters were not visible and assumed to be normal. These changes are most consistent with chronic interstitial nephritis yet infiltrative disease could not be entirely ruled out without biopsy though neoplasia is not suspected. The left kidney measured 4.01 cm. The right kidney measured 4.26 cm.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**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.

**IMAGING PERFORMED BY**

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**HOSPITAL NAME**

Franklin Lakes AH

**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 was noted.

**REFERRING VET**

Dr. Hudson

**INVOICE**

91571

**Liver**

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. A mixed hyperechoic 2.2 cm microcystic nodule was noted. This is consistent with biliary cystadenoma. There is a minor potential for carcinoma. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder and common bile duct were unremarkable.

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**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**

The **pancreas** was hypoechoic and irregular with undulating contour. The pancreas was painful upon imaging. This is suggestive for low grade pancreatitis. The left pancreatic limb measured 1.02 cm.

**SEX**

Neutered male

**ULTRASONOGRAPHIC FINDINGS**

Right liver nodule. Likely biliary cystadenoma, minor potential for carcinoma.

**AGE**

14 years

Chronic active pancreatitis pattern.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

A recheck sonogram is warranted in 2-3 months to see if the hepatic nodule has any growth. FNA could be considered for further definition, yet this is not likely clinical. Treatment for pancreatitis and symptomatic gastrointestinal signs are indicated.

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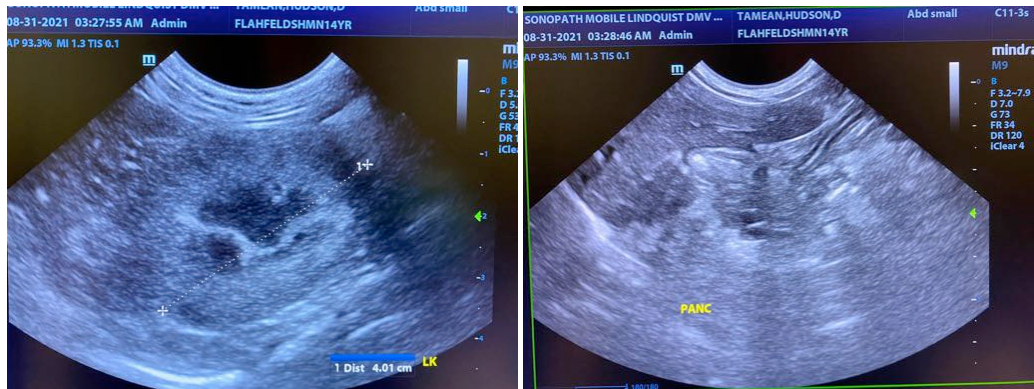
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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