



**PATIENT**

Kahlua Schwab

**SPECIES**

Feline

**BREED**

Domestic Longhair

**SEX**

Spayed Female

**AGE**

12 ½ years

**WEIGHT**

12 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Samantha Hudgins

**HOSPITAL NAME**

Petvacx AH

**REFERRING VET**

Dr. Wiley

**INVOICE**

96928

**DATE**

3/15/22

**PRESENTING CLINICAL SIGNS**

History: Elevated liver enzyme's (ALKP, ALT only) on senior wellness bloodwork 4 months ago, patient started denamarin and recheck bloodwork this month showed slight increase in ALKP, ALT and also elevated fpL. No clinical signs.

**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. A trace amount of sand was noted, yet was non-obstructive. No evidence of inflammatory or neoplastic changes was 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 kidneys measured 3.5 cm each.

**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.

**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.

**Liver**

The **liver** is slightly hyperechoic to the falciform fat. The gallbladder and common bile duct were unremarkable.

**Gastrointestinal**

The **stomach** presented progressively shadowing material. This is consistent with hairball accumulation. The small intestines and colon were normal.



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**Pancreas**

Kahlua Schwab

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.

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Feline

**ULTRASONOGRAPHIC FINDINGS**

**BREED**

Mild hepatic lipidosis, inflammatory hepatopathy pattern.

Domestic Longhair

Hairball density in the stomach.

Minor bladder sand.

**SEX**

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**AGE**

FNA of the liver could be considered for further definition of inflammatory cell type and confirmation of suspected early lipidosis. Hairball therapy is indicated.

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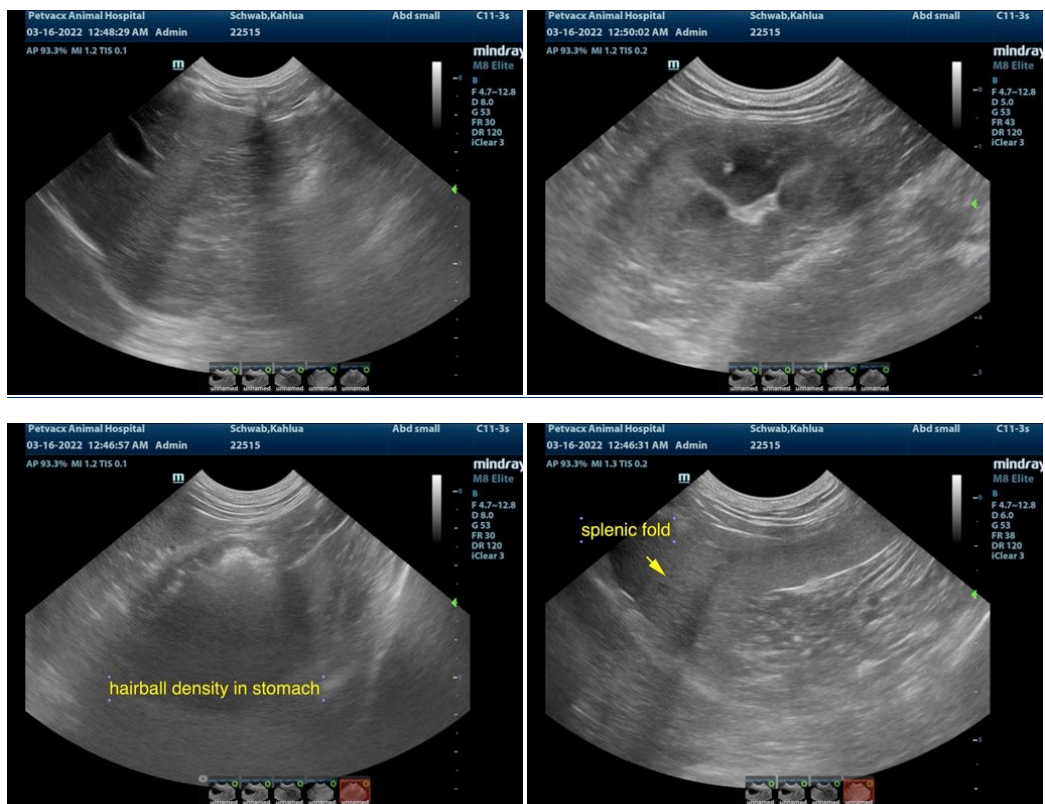
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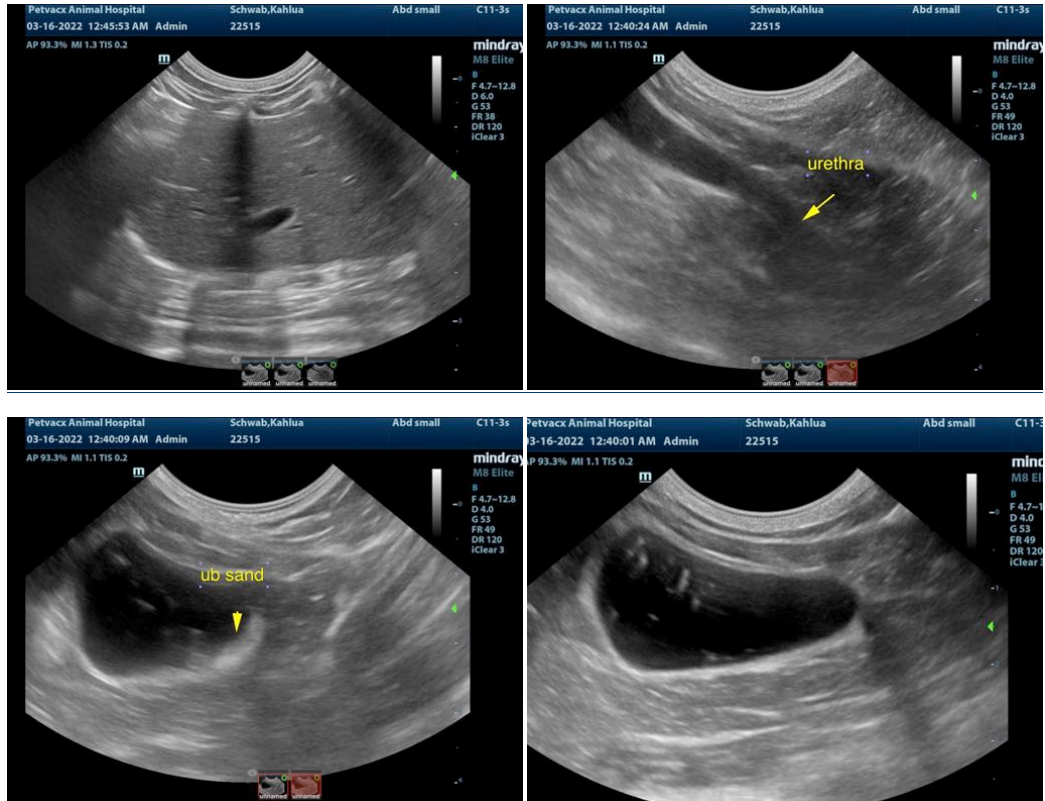
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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**  
info@SonoPath.com