



**PATIENT**

Mizzy Atene

**PRESENTING CLINICAL SIGNS**

Inappropriate litter box use. Wt loss and poor body condition  
Abnormal PE/Chem/CBC/UA Results: SDMA: 20, Creat:2, BUN: 37, Phos: 3, Ca: 13.7, amy: 2452, lipa: 867, Na: 176, K: 3.6, Cl: 134, T4: 1.3

**SPECIES**

Feline

**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.

**BREED**

Domestic Shorthair

**SEX**

Neutered male

**AGE**

15 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 3.8 cm. The right kidney measured 4.28 cm.

**WEIGHT**

9.4 lbs

**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 right adrenal gland measured 0.58 cm.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Rodriguez

**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.

**HOSPITAL NAME**

Foxfield VS

**REFERRING VET**

Dr. Rodriguez

**Liver**

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. A hyperechoic, mixed echogenic nodule was noted in the cranial liver adjacent to the diaphragm and measured 1.8 x 1.59 cm. 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 pathological hepatic lymphadenopathy was evident.

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**Gastrointestinal**

Mizzy Atene

Some shadowing material was noted in the stomach. This is consistent with hairball accumulation. The small intestine and colon were otherwise unremarkable.

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Feline

**Pancreas**

**BREED**

Domestic Shorthair

The left limb of the **pancreas** revealed an echogenic cyst with heterogenous parenchymal changes. This is consistent with pancreatic abscess, pancreatitis and remodeling.

**SEX**

Neutered male

Pancreatic cyst or abscess.

Chronic interstitial nephrosis renal pattern.

**AGE**

15 years

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Drainage of the cyst or abscess with culture and cytology of the parenchymal portion of the pancreas is recommended. Treatment for pancreatitis and potential emerging renal failure is recommended given the chronic renal changes.

**WEIGHT**

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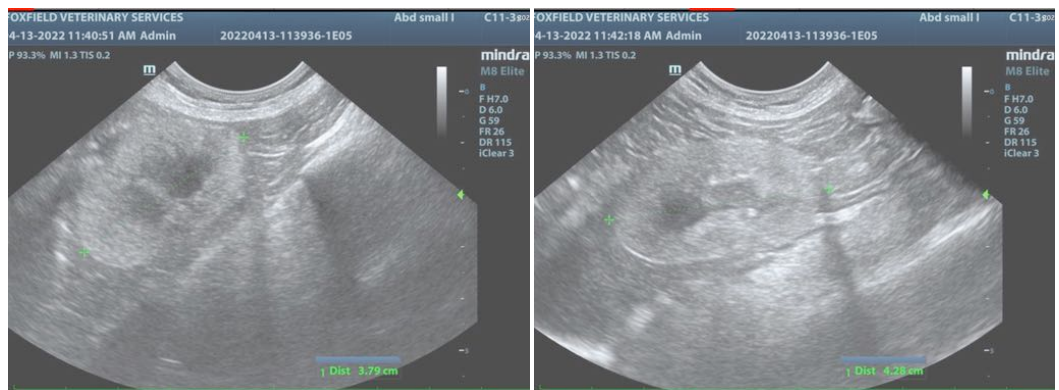
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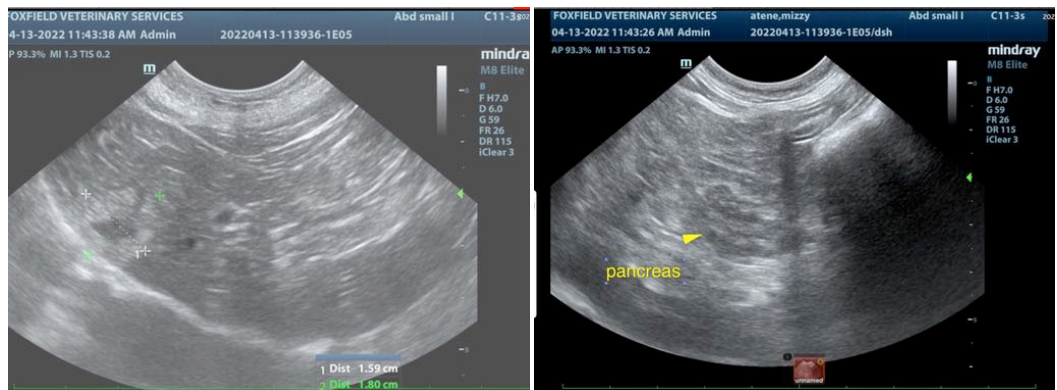
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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info@SonoPath.com