



**PATIENT PRESENTING CLINICAL SIGNS**

Gizmo Castner

History: P is FIV Positive. This P presented 3/31/23 for not eating and vomiting since O had left on vacation 2 weeks prior and P was left with sitter. Drinking normal, not socializing as normal.

**SPECIES**

Feline

Radiographs revealed thickened SI and air in cecum area, could not confirm or rule out foreign body. Bloodwork sent out. (see results below). P was put on mirtazapine TD, Laxatone and given Cerenia injection. 4/5/23 P was eating great. 4/28/23 P presented for recheck bloodwork (see below) liver values improved but Tbili increased. P was jaundiced and appetite was decreased again, sores present on face. P was referred to us for abdominal ultrasound and given gabapentin susp, animax and Denamarin. P was calm for scan with no evidence of pain during scan itself.

**BREED**

Domestic Shorthair

Abnormal PE/Chem/CBC/UA Results: 3/31/23 - ALT - 413, AST - 143, ALKP - 572, TBili - 2.6, all other values of Superchem, CBC, T4, BNP, fPL WNL 4/28/23 - TP - 9.1, Glob - 6.4, ALKP - 411, tBili - 5.9, all other superchem and CBC WNL.

**SEX**

Neutered male

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**AGE**

9 years

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.

**WEIGHT**

8 lbs

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 right kidney measured 4.5 cm. The left kidney measured 3.8 cm.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**Adrenal Glands**

**IMAGING PERFORMED BY**

Christina

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.

**HOSPITAL NAME**

Animal Health VC

**Spleen**

**REFERRING VET**

Dr. Rodriguez

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.

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**Liver**

**DATE**

5/4/23

The **liver** was swollen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder wall was echogenic. This is consistent with fibrosing mineralization.



**PATIENT**

**Gastrointestinal**

Gizmo Castner

There was some residual chyme and gas noted in the **stomach**, yet not pathological. This is consistent with end post prandial presentation. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. 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.

**SPECIES**

Feline

**BREED**

**Pancreas**

Domestic Shorthair

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.

**SEX**

Neutered male

**Free Abdomen**

**AGE**

Free fluid was noted in the caudal abdomen.

9 years

**ULTRASONOGRAPHIC FINDINGS**

**WEIGHT**

Free fluid.

8 lbs

Swollen liver.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The cause of the free fluid is unclear in this patient. Given the liver enzyme elevations and non-specific hepatomegaly an abdominocentesis and cytospin of the free fluid is warranted as well as 25-gauge FNA of the liver to assess for underlying disease such as round cell neoplasia/lymphoma or cholangiohepatitis. The prognosis is guarded depending upon cytology results.

**IMAGING PERFORMED BY**

Christina

**HOSPITAL NAME**

Animal Health VC

**REFERRING VET**

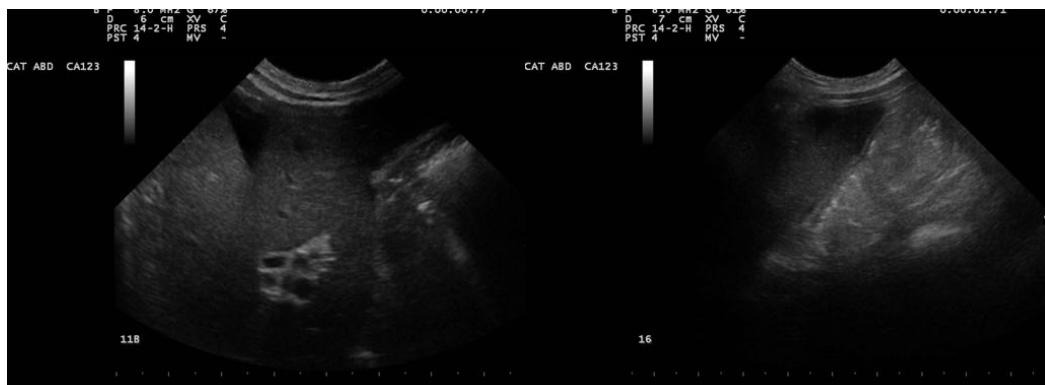
Dr. Rodriguez

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**DATE**

5/4/23





**PATIENT**

Gizmo Castner

**SPECIES**

Feline

**BREED**

Domestic Shorthair

**SEX**

Neutered male

**AGE**

9 years

**WEIGHT**

8 lbs

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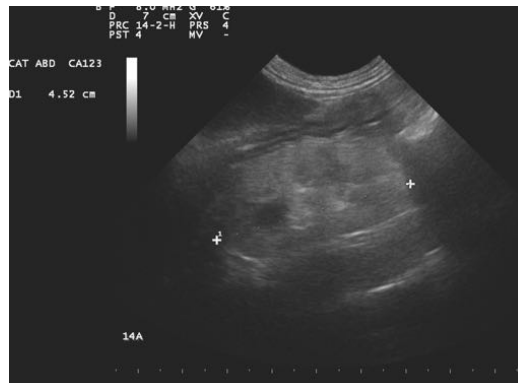
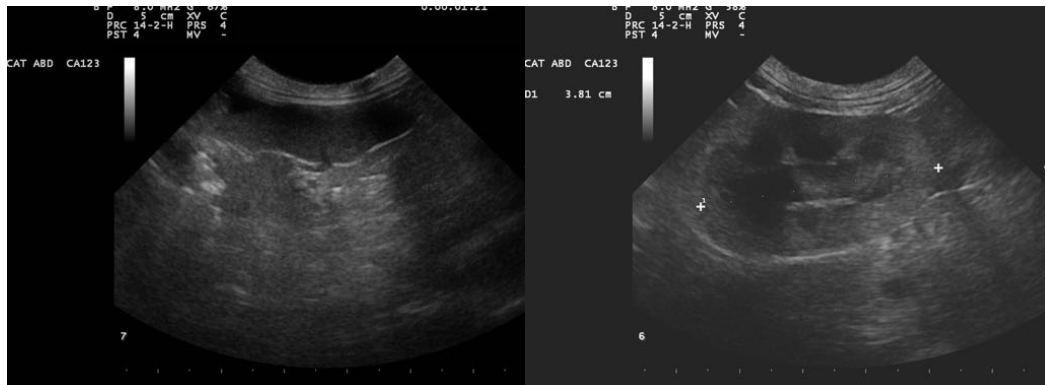
Dr. Rodriguez

**INVOICE**

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**DATE**

5/4/23



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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