



**PATIENT**

Junior Villamarzo

**PRESENTING CLINICAL SIGNS**

History: Sores on stomach, azotemia. Renal insufficiency vs. dehydration. BUN 45.8, creat. 2.5, Na 162, EOS 2.49. FPL abnormal.

**SPECIES**

Feline

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**BREED**

Domestic Shorthair

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

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. 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 revealed hydronephrosis measuring 1.4 x 1.16 cm. The right kidney revealed minor pyelectasia that measured 0.26 x 1.0 cm. The right kidney measured 3.3 cm.

**AGE**

15 years

**WEIGHT**

12.05 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 0.44 cm. The left adrenal gland measured 0.36 cm.

**INTERPRETED BY**

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

**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.

**IMAGING PERFORMED BY**

Kelly Vazquez, CVT

**HOSPITAL NAME**

Animal Paradise Hospital

**REFERRING VET**

Dr. ElShafie

**Liver**

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. 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. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

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**PATIENT**

**Gastrointestinal**

Junior Villamarzo

The **stomach** revealed slight shadowing material. This is likely hairball accumulation. The small intestines and colon were unremarkable.

**SPECIES**

Feline

**Pancreas**

**BREED**

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

**ULTRASONOGRAPHIC FINDINGS**

**AGE**

15 years

Renal pyelectasia likely owing to pelvic scarring. No overt obstruction noted. Kidneys have moderate degenerative changes, yet not likely end stage. Complicating factors such as embedded infection, hypertension and prerenal disease are all potentials in this case.

**WEIGHT**

12.05 lbs

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

72 hour IV fluid protocol, urine culture and sensitivity and blood pressure measurements are all indicated. Structurally the pancreas appears unremarkable; however, minor pancreatitis cannot be ruled out.

**INTERPRETED BY**

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DABVP, Cert. IVUSS,  
CEO of SonoPath.com

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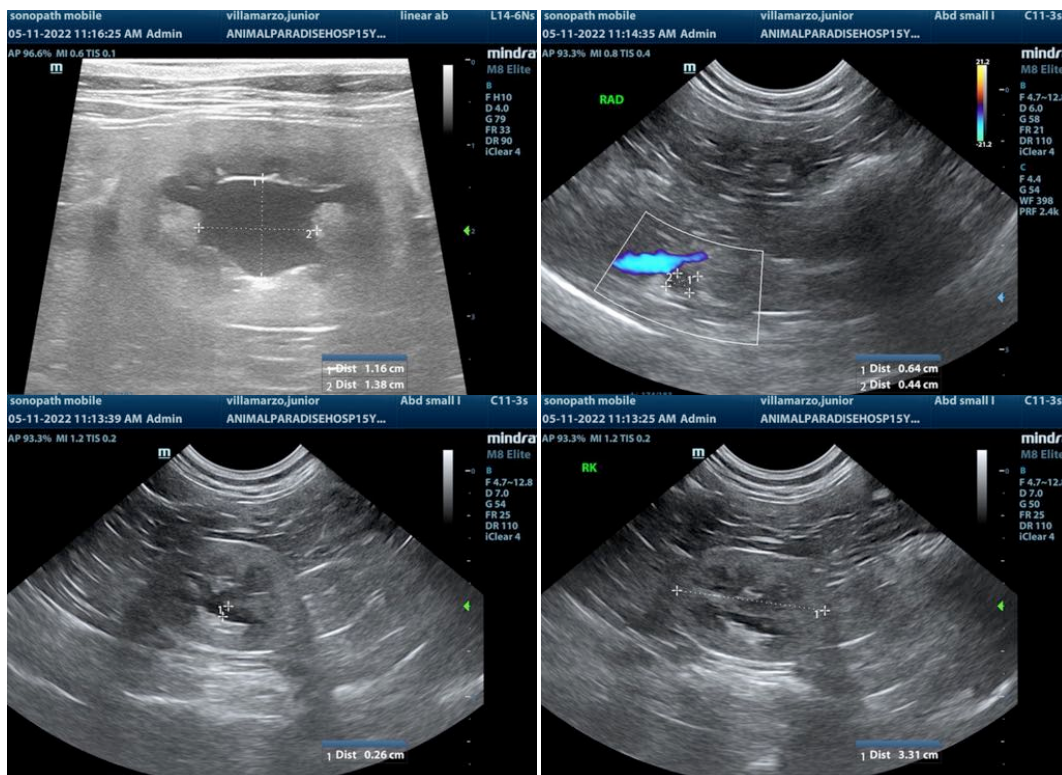
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**SPECIES**

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**BREED**

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**SEX**

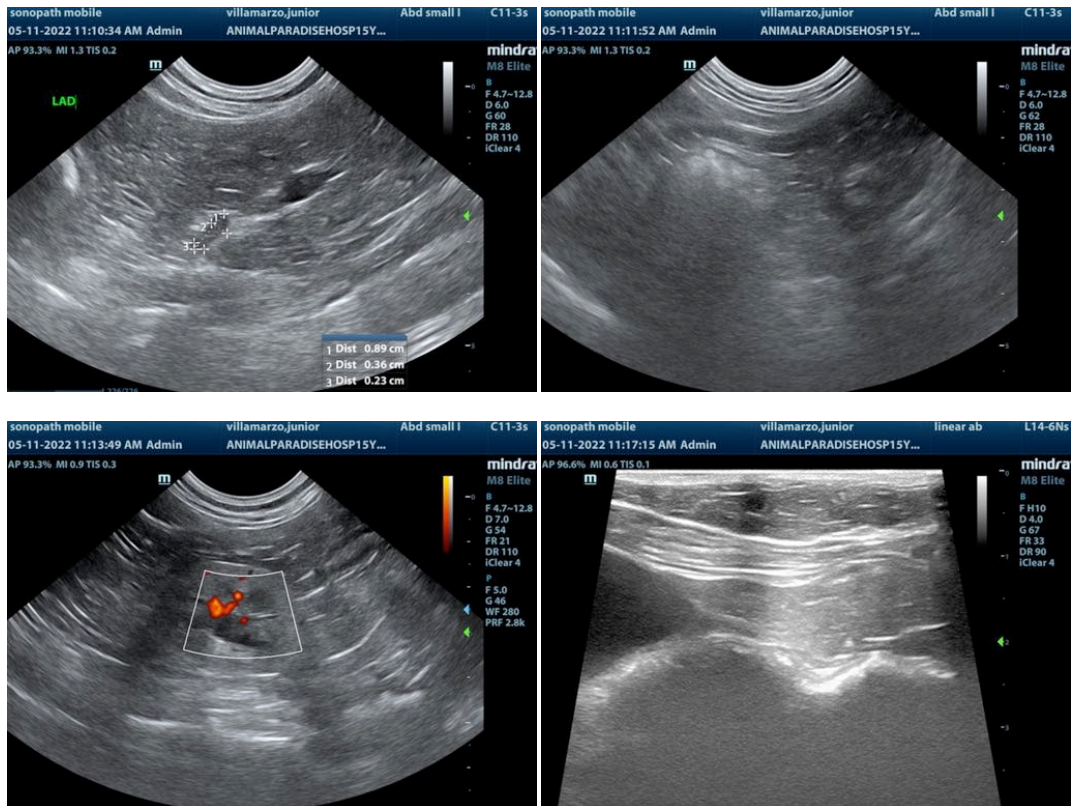
Neutered male

**AGE**

15 years

**WEIGHT**

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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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