



PATIENT

Lilly Francisco

SPECIES

Canine

BREED

Maltese Mix

SEX

Spayed female

AGE

12 years

WEIGHT

6.44 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Isermann

HOSPITAL NAME

Animal Emergency
Hospital Volusia

REFERRING VET

Dr. Nieuwal

INVOICE

42794

DATE

2/15/23

PRESENTING CLINICAL SIGNS

History: Transfer for end stage CKD from rDVM. P was diagnosed by rDVM on BW and transferred for continued care. NI in food for last week. Lethargic and not self. Normal urine and BM. No vomiting. Painful near back leg per owner.

Abnormal PE/Chem/CBC/UA Results: CPL abnormal BUN/creat/phos - too high to read UTI negative but SG is 1.016 ALT 254, AMYL 1696, chloride 107, SDMA 22

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.

The left **kidney** measured 3.5 cm and was subnormal in size with increased cortical echogenicity. The right kidney was normal in size and measured 5.16 cm with increased cortical echogenicity. The kidneys revealed a chronic interstitial nephrosis pattern. Minor pyelectasia pattern was noted.

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 left adrenal gland measured 0.65 cm. The right adrenal gland measured 0.55 cm.

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** 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 was mildly over distended with minor debris, yet not to the level of mucocele formation.



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Gastrointestinal

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The upper **gastrointestinal tract** revealed hypertrophied muscularis and empty lumen. The small intestines and colon were unremarkable.

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Pancreas

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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ULTRASONOGRAPHIC FINDINGS

SEX

Spayed female

Degenerative renal changes with pyelectasia, acute on chronic insult.

Moderate hepatic remodeling.

AGE

12 years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

6.44 kg

Blood pressure measurements were warranted as well as 72-hour IV fluid protocol. Coverage for underlying infectious agents and assessment for toxin exposure or similar is indicated. The prognosis is guarded depending on response to therapy.

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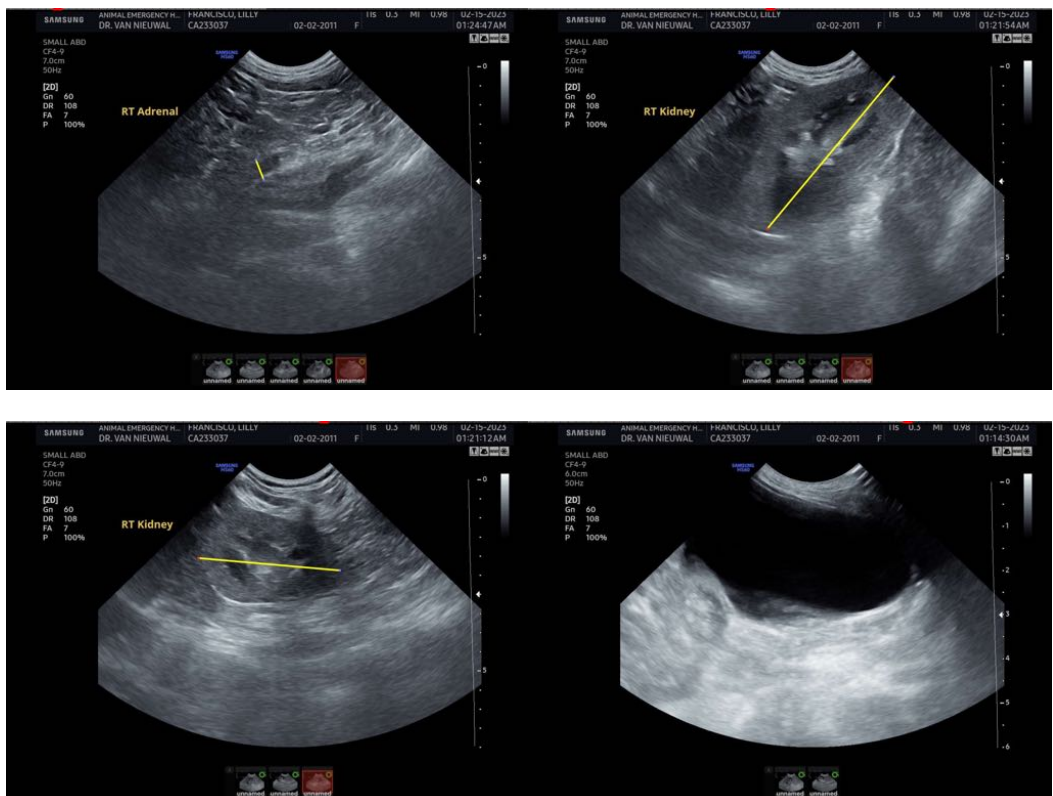
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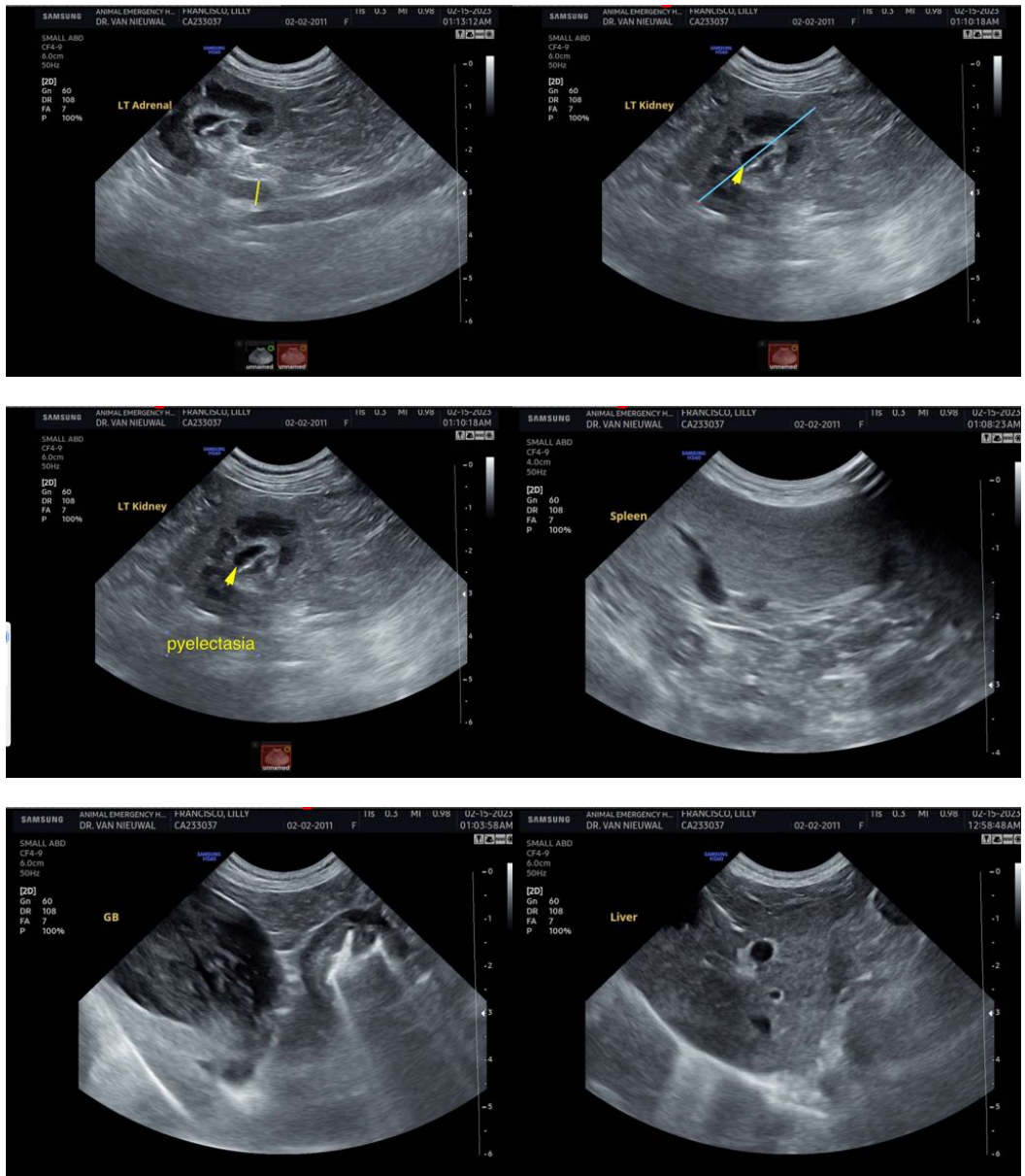
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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