



**PATIENT**

Sugar Aquilera

**SPECIES**

Canine

**BREED**

Havanese

**SEX**

Intact Female

**AGE**

6 Years

**WEIGHT**

5.2 kg

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP  
(Canine and Feline)

**IMAGING PERFORMED BY**

Dr. Belan

**HOSPITAL NAME**

Signal Hill AC

**REFERRING VET**

Dr. Lebouldus

**INVOICE**

16076

**DATE**

6/13/22

**PRESENTING CLINICAL SIGNS**

History: Intermittent vomiting cranial and mass seen on X ray  
Abnormal PE/Chem/CBC/UA Results: Blood work pending

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted. Aortic trifurcation was normal.

Both kidneys were variably enlarged in size, primarily owing to severe polycystic changes bilaterally. Multiple, variably sized, thinly walled cysts were present, occupying both kidneys with each kidney containing a large cyst with anechoic fluid. An example of large cyst in the left kidney measured 6.5 cm in diameter. An example of large cyst in the right kidney measured 5.0 cm in diameter. Concurrent, marked loss of corticomedullary border demarcation, mild pyelectasia and suspect areas of medullary mineral were present in both kidneys. The left kidney, overall, measured 4.7 cm. The right kidney measured 4.7 cm.

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.28 cm width at the caudal pole and 0.37 cm width at the cranial pole.

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.39 cm width at the caudal pole and 0.53 cm width at the cranial pole.

**Spleen**

The spleen was normal. in size and contour with primarily maintained finely textured homogeneous parenchyma. A solitary isoechoic to mildly hypoechoic non-expansive nodule was noted in the mid lateral spleen, measuring 0.5 cm in diameter.

**Liver**

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion.

The gallbladder was non distended in size with mild gallbladder debris. The cystic duct and common bile ducts were normal without evidence of dilation.

**Gastrointestinal**

The stomach presented intact yet subjective mild prominent wall layering. The lumen of the stomach was primarily empty with mild luminal gas. Potential for minor retained anechoic fluid possible, although not definitive. The ventral body measured 0.39 cm in width.

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no evidence of mechanical/metabolic small intestinal ileus. The small intestinal wall measured 0.25 cm.



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Normal visible colon wall layers were present with apparent formed feces in lumen.

Sugar Aquilera

***Pancreas***

**SPECIES**

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

Canine

***Other***

**BREED**

The uterus exhibited generalized mild fluid distention. The fluid was primarily anechoic with potential for mild echogenic change. The uterine walls exhibited overtly normal appearance without evidence of significant thickening or obvious neoplastic criteria. The left and right ovaries were not definitively visualized.

Havanese

**SEX**

***Free Abdomen***

Intact Female

No overt lymphadenopathy or peritoneal effusion was present.

**AGE**

**ULTRASONOGRAPHIC FINDINGS**

6 Years

- Bilateral chronic degenerative polycystic kidneys with pyelectasia and medullary mineral, large thin walled cyst was present in both left and right kidneys

**WEIGHT**

5.2 kg

- Suspect mild gastritis/gastroenteritis
- Mild gallbladder debris (non-mucocele)
- Mild nonspecific yet likely benign splenic nodule- suspect focal hyperplasia, hematopoiesis or similar. No overt evidence of splenic neoplastic criteria, which is thought less likely
- Generalized mild fluid dilated uterus- possible emerging pyometra, potential for low-grade endometritis

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**IMAGING PERFORMED BY**

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Correlation with the renal presentation with pending blood work and assessment of renal parameters recommended. Potential for low-grade uremic gastritis could be present, if evidence or significant azotemia. Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered. The large bilateral renal cysts are likely consistent with radiographic cranial abdominal mass. No other evidence of intraabdominal neoplastic criteria.

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Monitoring for evidence of vaginal discharge and, ideally, sonographic monitoring of the uterus is recommended. Eventual ovariohysterectomy is likely indicated yet likely dependent upon renal functionality.

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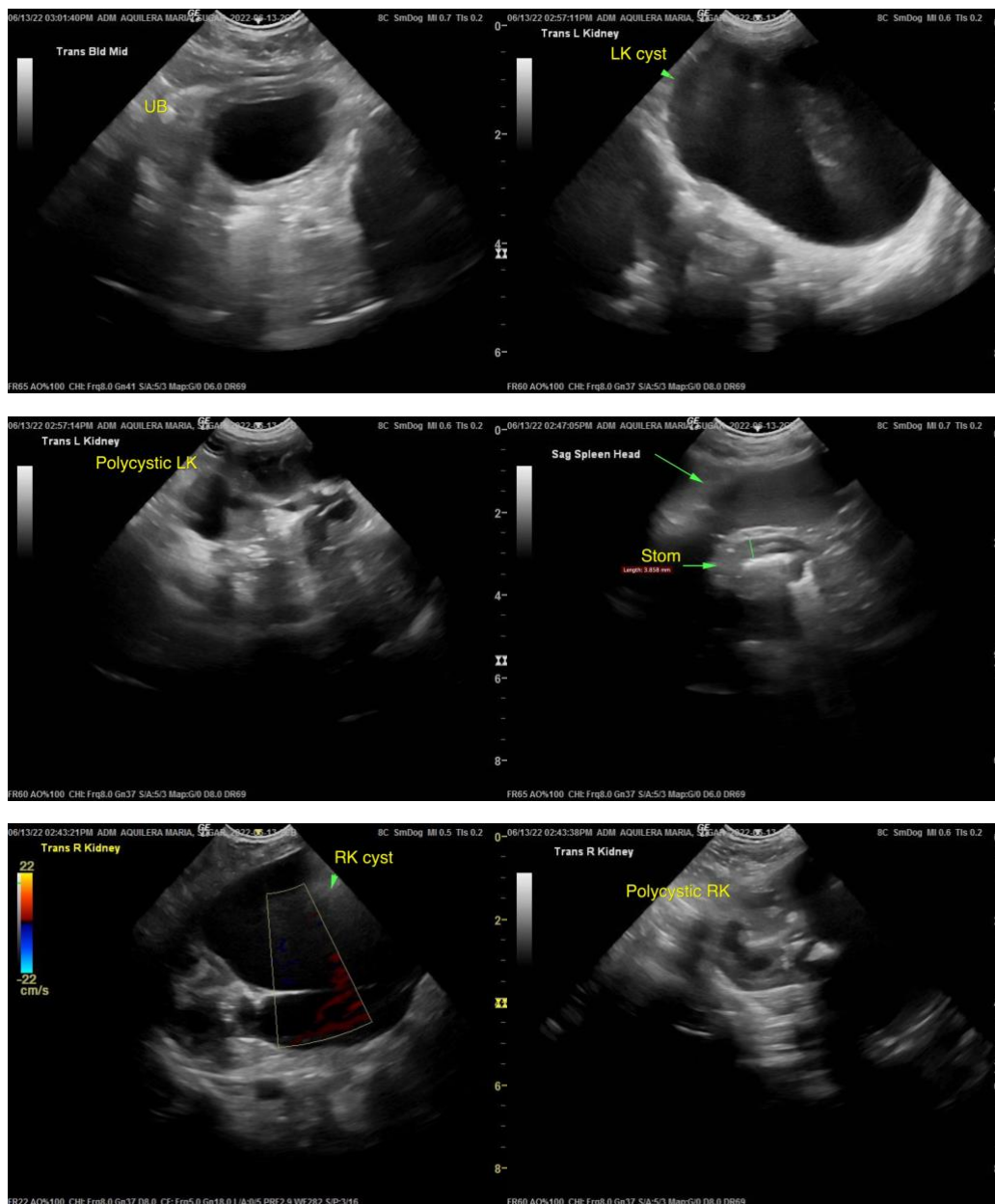
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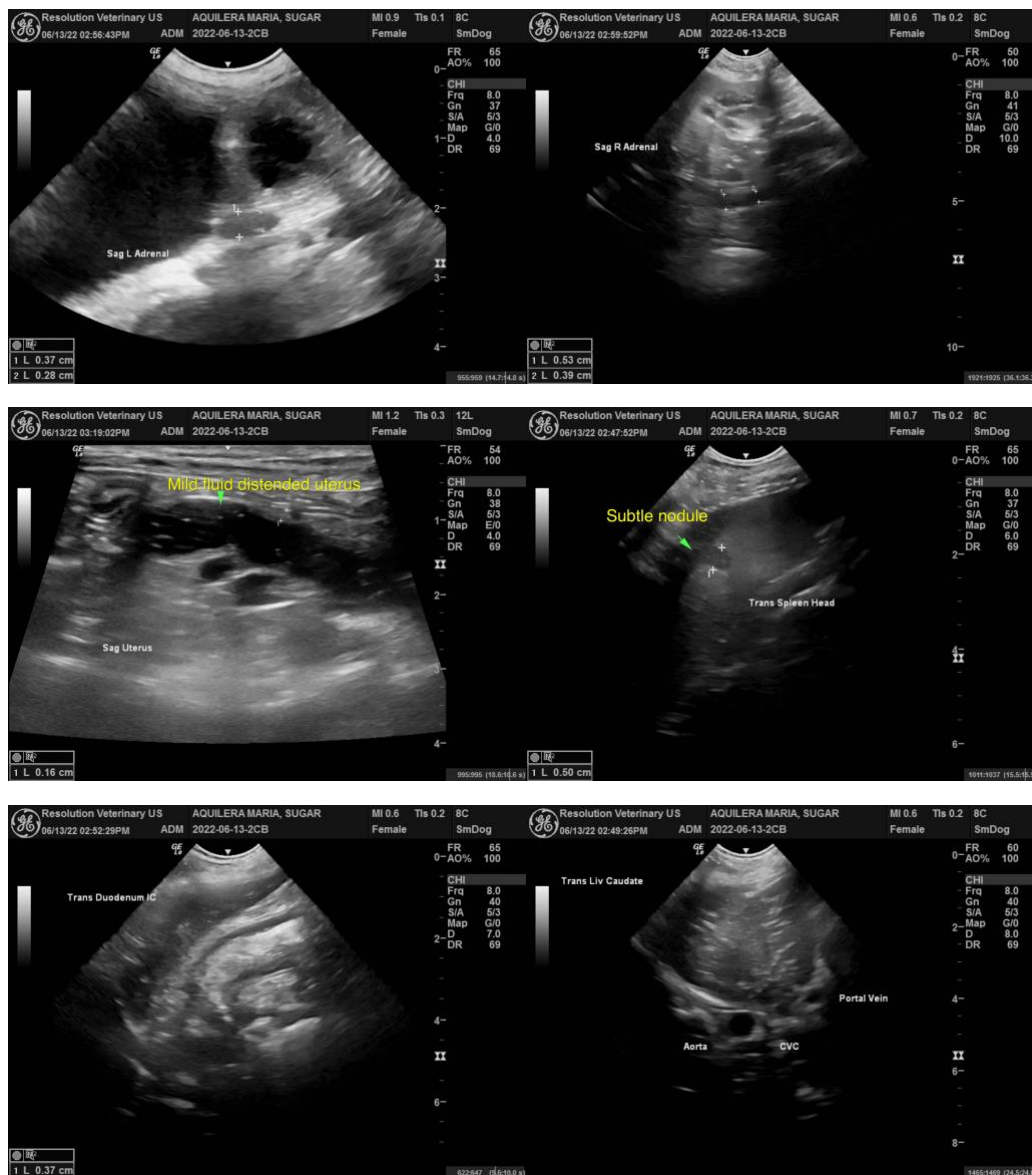
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)  
info@SonoPath.com