



**PATIENT**

Angel Ramalhosa

**SPECIES**

Canine

**BREED**

Chihuahua

**SEX**

Neutered Male

**AGE**

8 Years

**WEIGHT**

14.6 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert IVUSS

**IMAGING  
PERFORMED BY**

Denise Bruno, LVT,  
RDMS

**HOSPITAL NAME**

Kenilworth AH

**REFERRING VET**

Dr. Mansour

**INVOICE**

0000

**DATE**

12/28/21

**PRESENTING CLINICAL SIGNS**

History: Weight loss, anorexia, vomiting

**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 were noted. Ureteral papillae were normal.

The **prostate** was slightly enlarged (1.24 cm) and mildly heterogenous.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 4.64 cm. The left kidney measured 4.36 cm.

**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 1.51 cm x 0.61 cm at the cranial pole and 0.46 cm at the caudal pole. The left adrenal gland measured 1.95 cm x 0.54 cm at the caudal pole and 0.61 cm at the cranial pole.

**Spleen**

The **spleen** revealed a mixed hypoechoic 10+ cm parenchymal mass deriving from the caudal pole.

**Liver**

The **liver** revealed severe hepatomegaly, irregular contour and multifocal hypoechoic coalescing target lesions with significant disruption of architecture. The gallbladder presented a minor amount of debris. The gallbladder was slightly deviated with areas of mineralization.

**Gastrointestinal**

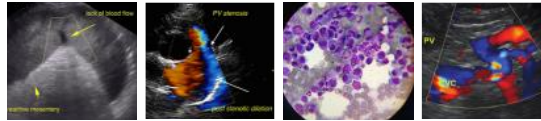
The **upper gastrointestinal tract** was mildly thickened, likely early manifestation of the neoplastic process. The small intestine and colon were unremarkable.

**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.

**Free Abdomen**

A minor amount of **free fluid** noted, likely owing to lymphatic obstruction.



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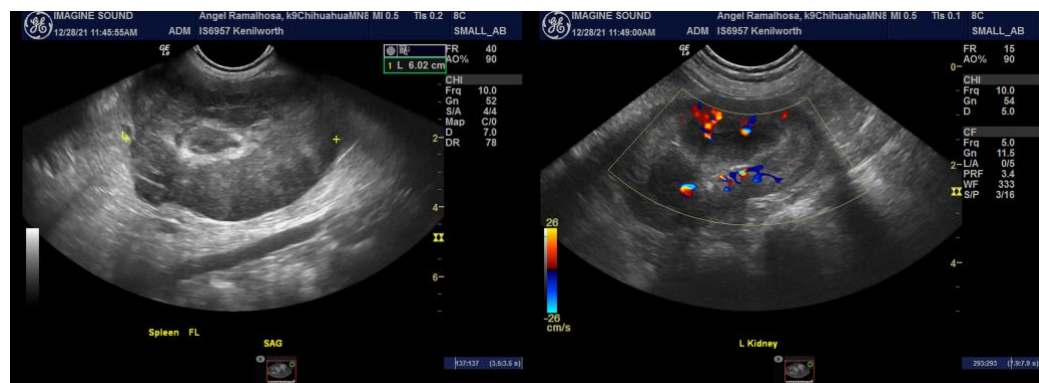
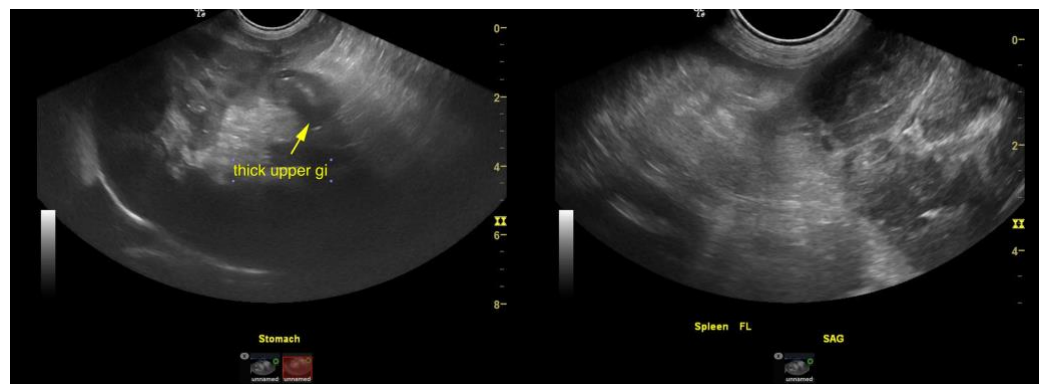
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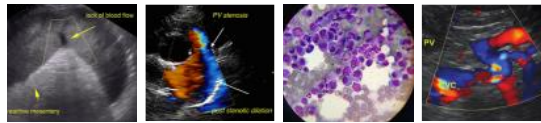
**ULTRASONOGRAPHIC FINDINGS**

- Splenohepatic neoplasia, round cell neoplasia pattern
- Enlarged heterogeneous prostate
- Mildly thickened upper gastrointestinal tract

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

FNA of the spleen and liver warranted. Immediate chemotherapeutic intervention could be considered. Prognosis is poor. This is a particularly aggressive presentation.





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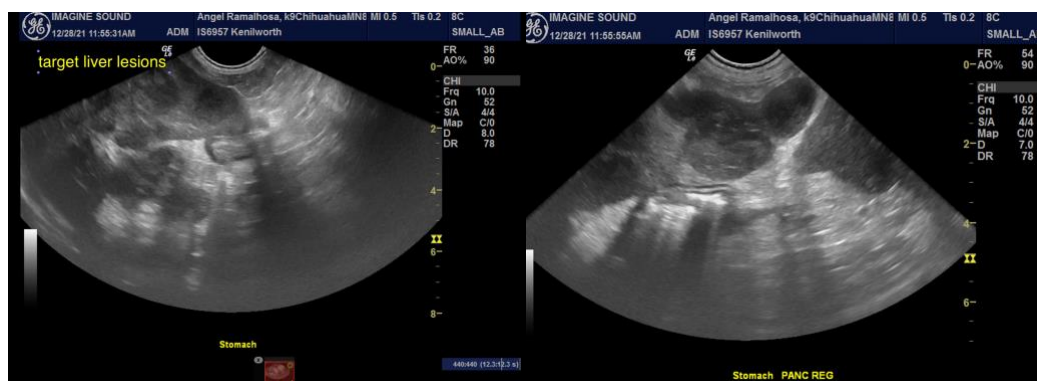
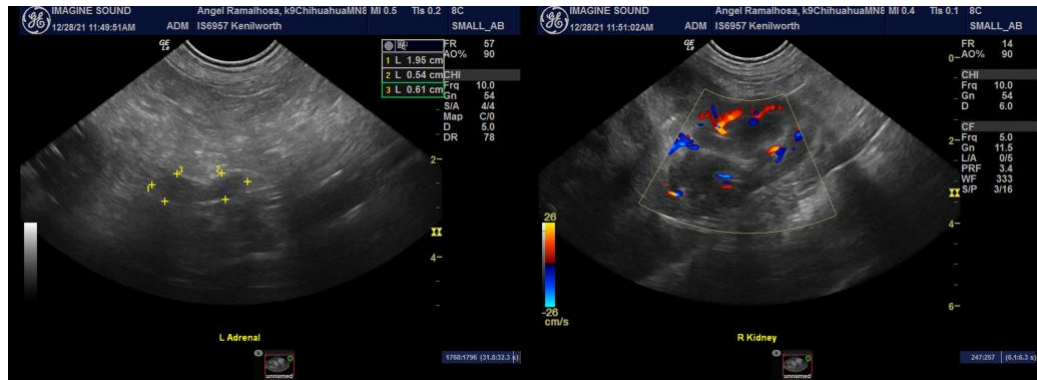
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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