



PATIENT

Ludo Hudson

PRESENTING CLINICAL SIGNS

History: Difficulty passing stool and urine for 2 weeks. Has a chronic history of a heart murmur as well.

Abnormal PE/Chem/CBC/UA Results: BW and UA were not recently done.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Chihuahua Cross

Urinary System

The **urinary bladder** itself was unremarkable. However, the prostate revealed a large cyst that measured approximately 2.0 cm with echogenic debris and thickened, irregular tissue at the caudal aspect of the cystic structure.

SEX

Neutered male

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 3.5 cm.

AGE

8 years

WEIGHT

5.98 kgs

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 0.42 cm at the caudal pole and 0.43 cm at the cranial pole. The right adrenal gland measured 0.32 cm at the caudal pole and 0.31 cm at the cranial pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Zadeh

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.

HOSPITAL NAME

ABE Enterprises

REFERRING VET

Dr. Zadeh

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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Gastrointestinal

Ludo Hudson

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. Slight mesenteric lymph node enlargement was noted and measured 3.83 cm.

SPECIES

Canine

BREED

Chihuahua Cross

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.

SEX

Neutered male

ULTRASONOGRAPHIC FINDINGS

The prostatic abscess or cyst with possible underlying carcinoma.

AGE

8 years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I recommend ultrasound-guided drainage of the cyst and FNA of the parenchyma portion. Cytospin and culture is indicated of the fluid obtained. Given that this is a neutered male. If the patient is neutered in the midst of prostatic issues this may be a residual abscess. However, a neutered male with enlarged prostate and irregular parenchyma I would be concerned for underlying carcinoma. Cytospin and assessment for underlying carcinoma cells would be warranted as well as culture of the fluid obtained. A recheck sonogram is recommended 1 week post drainage. Enrofloxacin could be injected directly into the cavity to enhance resolution if simple abscessation is found upon cytology.

WEIGHT

5.98 kgs

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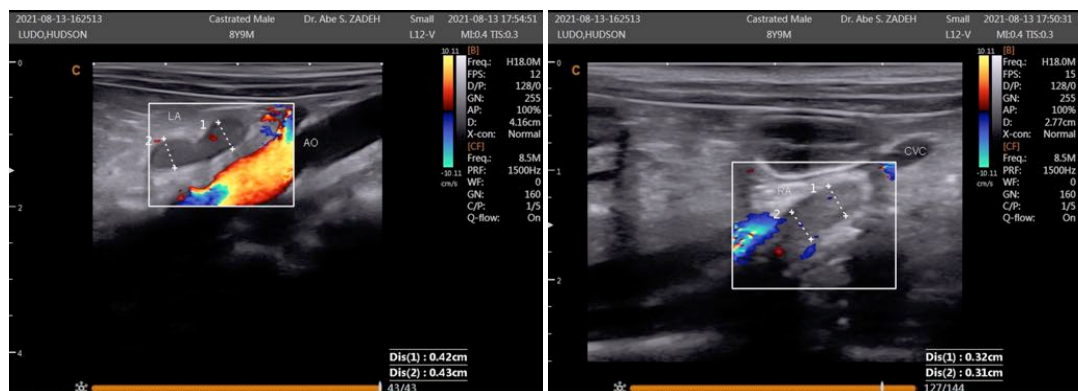
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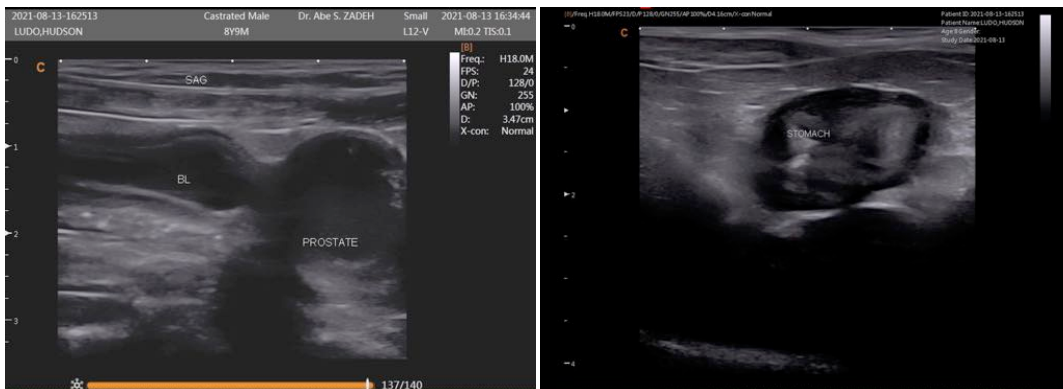
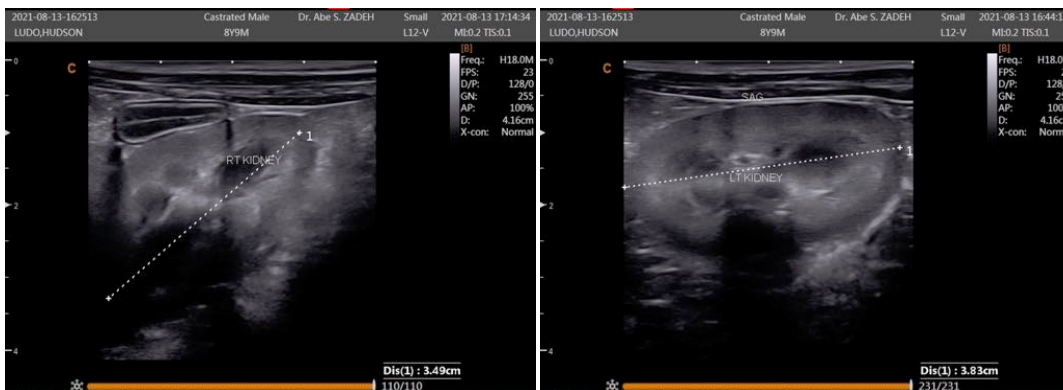
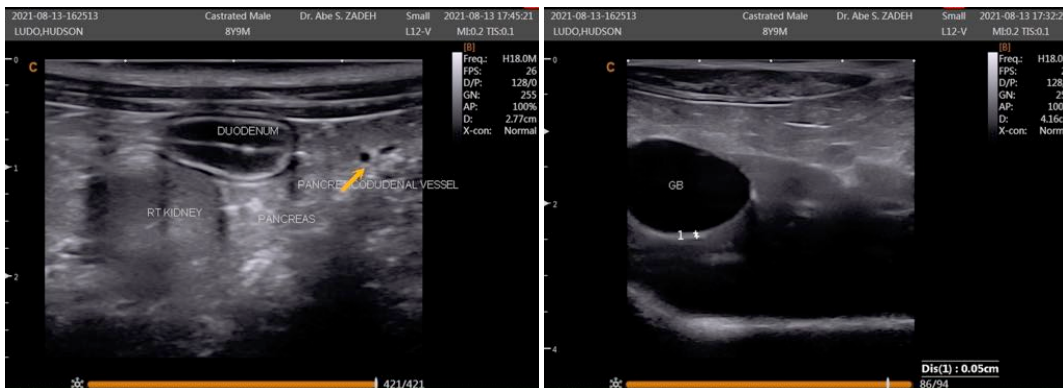
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

Canine

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.

BREED

Chihuahua Cross

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

Neutered male

AGE

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WEIGHT

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