



PATIENT PRESENTING CLINICAL SIGNS

SUGAR KRUPA
SPECIES History: 9yo FS Chihuahua mix. AUS is for chronically elevated liver enzymes. P has had an elevated ALP and ALT since 1/2023. ALP has stayed consistently elevated but ALT has responded to treatment with Denamarin.

CANINE
BREED Abnormal PE/Chem/CBC/UA Results: On 4/2023: Elevated ALT: 182 Elevated ALP: 755 On 8/2023: ALT: 86 (12-118) Elevated ALP: 702 (5-131)

CHIQUAHUA MIX ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SEX *Urinary System*

FEMALE SPAYED
AGE The bladder, trigone and visible pelvic urethra were normal in tone and thickness. The bladder contents were mainly anechoic with echogenic sediment, without visible discrete urolith formation. There was no visible inflammation in the bladder or urethra. The ureters were not visible, which is normal. The urethra was visualized to a distance of 2.00 cm beyond the cystourethral junction.

9 YEARS
WEIGHT Both kidneys were of a normal size, shape, and position. The capsule was mildly irregular with no capsular expansion. There was mild to moderate increase in cortical echotexture. A slightly asymmetrical 1:3 cortex to medulla ratio was present, with a mild loss of corticomedullary distinction. These changes are largely as expected for the age of the patient. There was no pelvic dilation. The left kidney measured 4.50 cm in length. The right kidney measured 4.90 cm in length.

INTERPRETED BY

Karen Ebersole, DVM,
 DABVP (Canine and
 Feline)

Adrenal Glands

The left adrenal gland was visualized and found to be normal in size, and shape for the age and breed. The parenchyma displayed normal echogenicity. There was no evidence of capsular expansion or pericapsular inflammation. There were no nodules or masses visible. The left adrenal gland measured 4.00 mm at the caudal pole and 4.00 mm at the cranial pole. The right adrenal gland was indistinctly visualized with no over pathology in this region.

IMAGING PERFORMED BY

Aaron Deml, DVM

Spleen

The spleen was normal in size, shape, and position. There was a smooth capsule contour. The parenchyma was finely textured and homogeneous. There were no visible masses, nodules or evidence of infiltrative disease.

HOSPITAL NAME

Craig Road AH

Liver/Gallbladder

The liver was normal in size with a mildly rounded capsule contour. The parenchyma was normal in echogenicity, with a mildly coarse echotexture. The hepatic and portal veins were normal in size and structure, with no visible congestion. The gallbladder was normal size and shape, with echogenic, non-mineralized biliary sludge. The wall was normal thickness with no visible inflammation. The cystic duct and common bile ducts were normal in size with no evidence of obstruction.

REFERRING VET

Aaron Deml, DVM

INVOICE *Gastrointestinal*

14058
DATE The stomach was largely empty with normal size shape and position. The stomach wall was normal in thickness and maintained appropriate layering. The small intestine displayed normal curvilinear patterns throughout. Subjectively normal wall thickness and layering was maintained. Normal peristalsis was present. The visible colon wall was normal in thickness and layering, there were no visible masses or focal lesions.

8.11.23

Pancreas

The pancreas was isoechoic to the surrounding mesentery with normal size, shape and capsule contour. There was no evidence of inflammation or masses within the right and left limbs or body of the pancreas. The pancreatic duct was curvilinear without notable deviation.



PATIENT

Sugar Krupa

SPECIES

Canine

BREED

Chihuahua Mix

SEX

Female Spayed

AGE

9 years

WEIGHT

23.96 lbs

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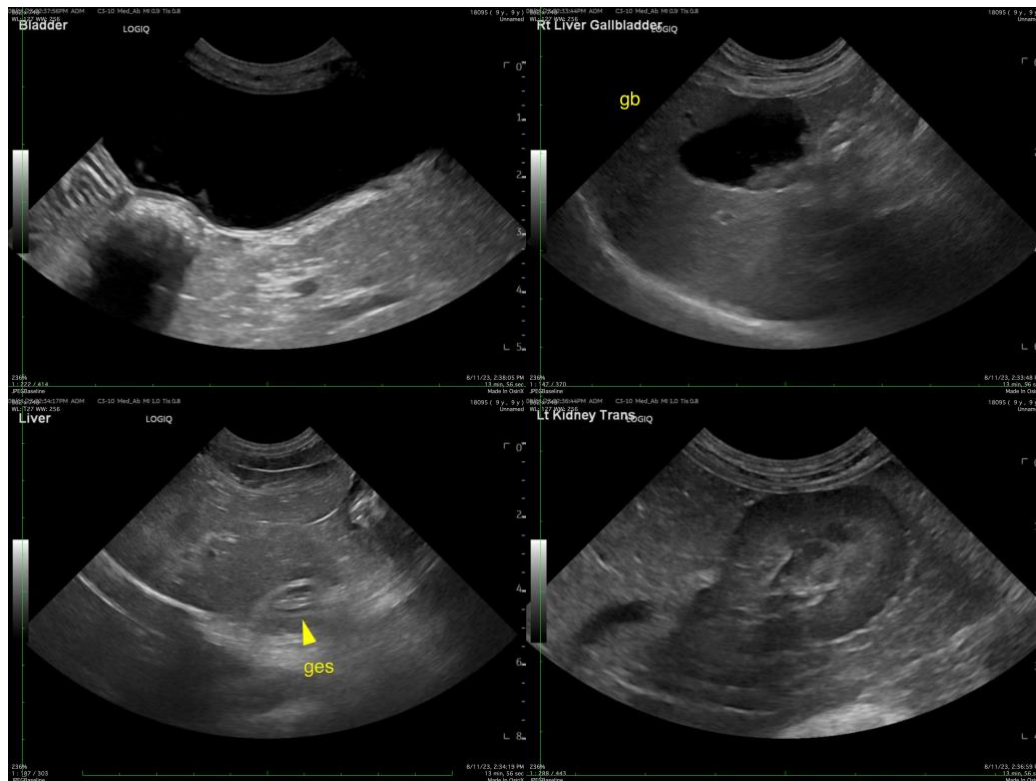
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ULTRASONOGRAPHIC FINDINGS

- Mild hepatic parenchymal changes, with no overt nodule or masses
- Mild gallbladder sludge (non-mucocele)
- Mild urinary bladder sediment

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- The sonographic appearance of the liver is nonspecific, but most consistent with a benign hepatopathy. Differentials for this change include vacuolar hepatopathy, inflammatory or infectious hepatic disease, or less likely diffuse neoplasia. There was no overt evidence of neoplasia. An FNA of the liver could be done for assessment of inflammatory cell type and rule out neoplasia, which is considered unlikely. Liver support including Denamarin and Ursodiol could be considered but may not be necessary if ALP/ALT are only mildly elevated. Leptospirosis titers/PCR can be considered if history and clinical presentation indicates it, but is not considered likely.
- The urinary sediment could represent exfoliated cells, inflammatory cells, mucous or red blood cells, and should be correlated with urinalysis findings. Mild sediment can be normal at times.





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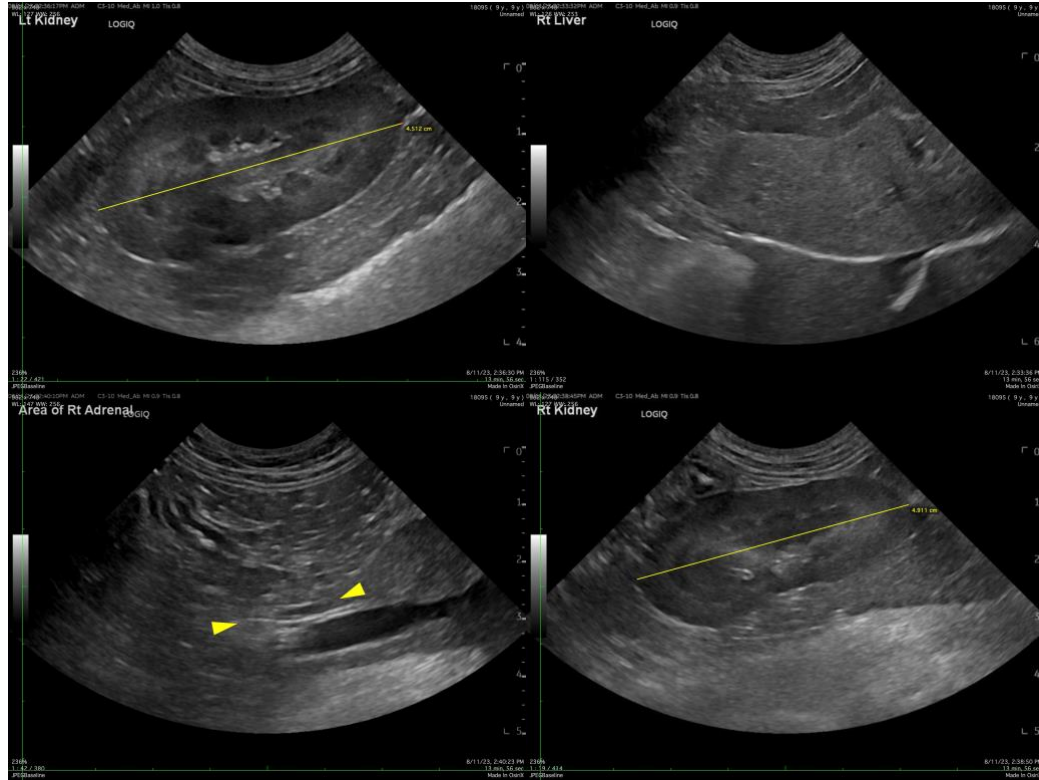
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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