

PATIENT PRESENTING CLINICAL SIGNS

Amus Viau
SPECIES Canine
BREED Queensland Heeler

History: Amus presented for routine abdominal ultrasound. History of cystine bladder stones (has been on RCVD Urinary UC low Purine), initially diagnosed back in 2019 following emergency surgery due to urethral outflow obstruction by stones.) and elevated ALP values (ALP 356, from April 4th 2022 labwork). No straining with urination and flow is good. Eating, drinking, eliminating normally. No vomiting or diarrhea. No coughing or sneezing. Energy normal. Medications that Amus historically takes: Rovera 0.5 tab 75mg BID PRN for lameness currently only taken 1-2 times per month, Fish oil supplement, Glucosamine supplement, probiotic. Benadryl PRN, Denamarin given mid day (empty stomach use goal)

Abnormal PE/Chem/CBC/UA Results:

SEX **ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

MN

Urinary System

AGE

9 yr

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4 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.

WEIGHT

40 lb

Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Pinpoint areas of medullary mineral were noted. The left kidney measured 5.6 cm in length. The right kidney measured 5.1 cm in length.

INTERPRETED BY

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

The area of the aortic trifurcation was free of pathology.

The residual prostate was without pathology measuring 1.3 cm in diameter.

IMAGING PERFORMED BY

Jenna Walsh CVT

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.61 cm width at the caudal pole and 1.8 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.70 cm width at the caudal pole and 1.9 cm length.

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Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. A solitary small hyperechoic nodule noted caudal to the splenic hilus consistent with emerging myelolipoma was present. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

REFERRING VET

Dr. Wood

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Liver

The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The

DATE

06/29/2022



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Amus Viau

hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content. The cystic and common bile ducts were normal.

SPECIES

Canine

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained a mild to moderate amount of echogenic to shadowing ingesta with no signs of ileus, obstruction or foreign material.

BREED

Queensland Heeler

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

SEX

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

MN

Pancreas

AGE

9 yr

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.

WEIGHT

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Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

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ULTRASONOGRAPHIC FINDINGS

- Sonographically unremarkable urinary bladder
- Mild age related kidneys exhibiting pinpoint medullary mineral
- Emerging to small benign splenic nodule-consistent with emerging myelolipoma
- Shadowing gastric ingesta-nonspecific

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overall, a largely geriatric abdomen without evidence of significant visceral pathology. The hepatic presentation was most consistent with benign vacuolar hepatopathy without evidence of neoplastic criteria. Continued hepatosupportive medication with monitoring of ALP levels would be reasonable.

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The shadowing gastric ingesta was nonspecific, it may indicate post prandial presentation or administered medication. Correlation with most recent meal ingestion is suggested. The gastric ingesta is likely incidental given no reported history of vomiting.

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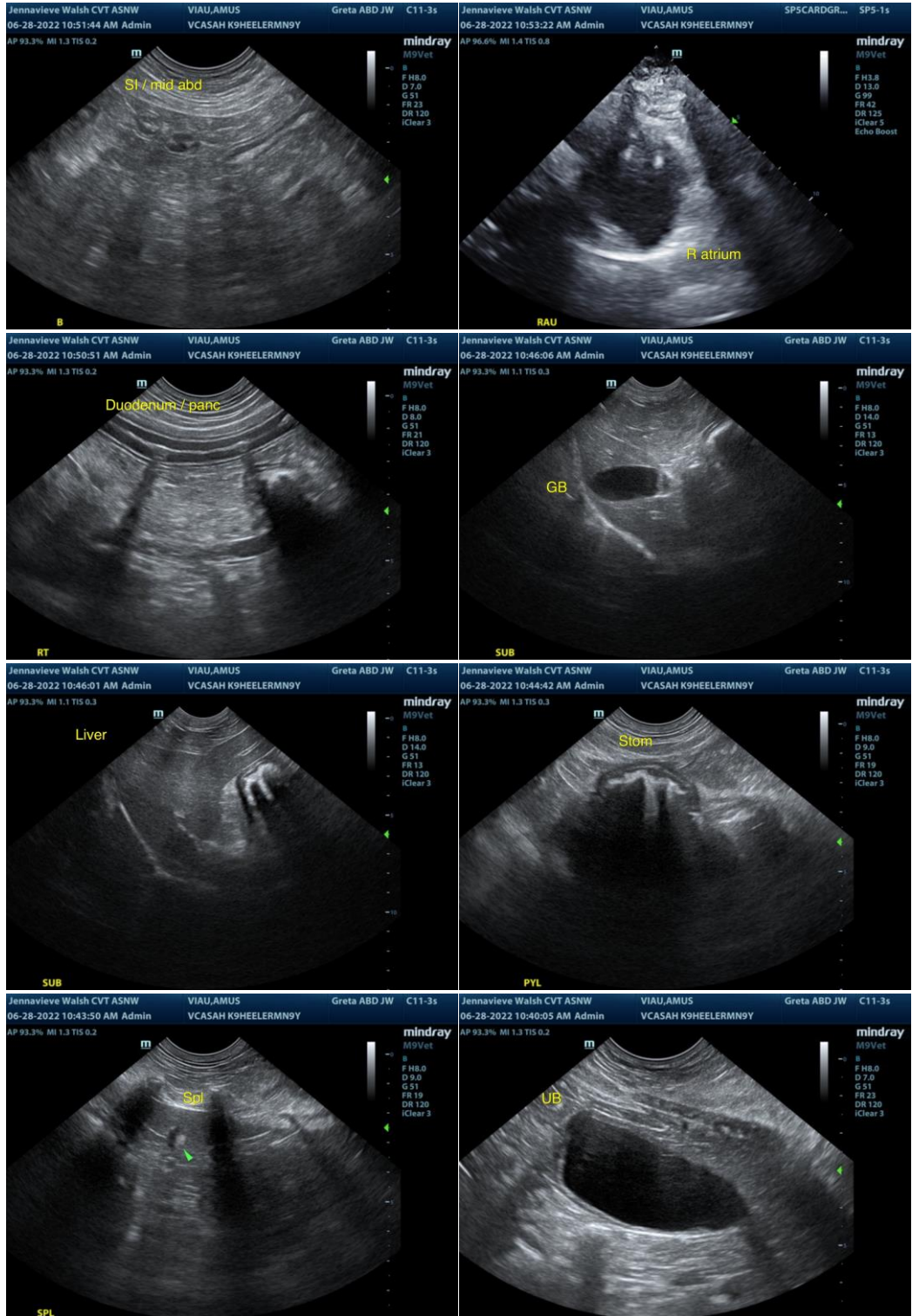
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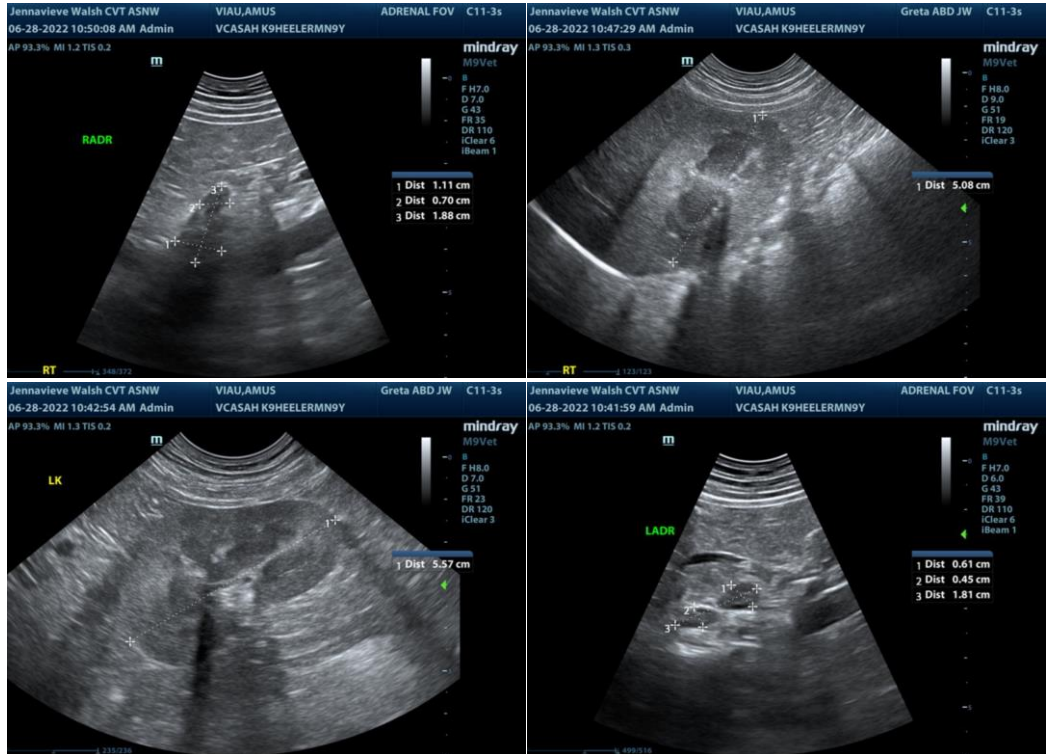
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

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