



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Chloe Harvey
PRESENTING CLINICAL SIGNS History: Decreased appetite. Had AUS via Oakland AH previously 4/26/21 (attached). Whole body AXR from 4/15/22- see hind limbs-lytic changes? Current meds: Mirtazipine transdermal PRN.

SPECIES Abnormal PE/Chem/CBC/UA Results: BUN 56 (36 H), CREAT 3.7 (2.4 H), LYm 0.32 (1.5 L), Ca 15.1, RBC 2.26, Hgb 3.8, Hct 14.49, MCV 64, MCHC 26.4, NRBC 4, PLT 34 (decreased estimate), PLT 19 (today), MPV 26, USG 1.016, 1+ prot.
Feline

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED Russian Blue
Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 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.

SEX Spayed female

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 moderate loss of corticomedullary symmetry and definition expected for the age of the patient. Pinpoint areas of medullary mineral were observed. No evidence of pelvic dilation was present. The left kidney measured 3.7 cm in length. The right kidney measured 3.9 cm in length.

AGE

12 years

WEIGHT

10.7 pounds

The area of the aortic trifurcation was free of pathology.

Suspect small uterine stump granuloma noted dorsal to the urinary bladder measuring 1.9 cm in diameter.

INTERPRETED BY Adrenal Glands

INTERPRETED BY R. McKenzie Daniel, DVM, DABVP (Canine and Feline)
 The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.39 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.34 cm width.

IMAGING PERFORMED BY Shari Reffi CVT

Spleen

The spleen presented generalized enlargement with reduced echogenicity and coarse echotexture. The capsule contour was rounded and asymmetrical or scalloped. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The spleen measured 1.2-1.3 cm in width at the level of the hilus.

HOSPITAL NAME

Ramapo Valley Animal Hospital

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 exhibited mild remodeling with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The 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.

REFERRING VET

Dr. Katara

INVOICE

10415ag

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

DATE

04/18/2022



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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. No evidence of previously noted altered to inverted intestinal wall layering.

SPECIES

Feline

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

Pancreas

The left pancreatic limb exhibited subtle prominent size with mildly hypoechoic to non-homogeneous parenchyma. 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.

BREED

Russian Blue

Free Abdomen

SEX

Spayed female

Intermittent small pockets of scant free fluid noted around the urinary bladder and in the cranial abdomen. No overt lymphadenopathy was present.

AGE

12 years

ULTRASONOGRAPHIC FINDINGS

- Splenomegaly exhibiting hypoechoic parenchyma and scalloped undulating medial capsule contour-strongly suggestive of infiltrative neoplastic criteria.
- Mild nonspecific hepatomegaly.
- Moderate chronic renal changes exhibiting minor medullary mineral.
- Potential concurrent low-grade pancreatitis.
- Overtly normal GI tract.
- Scant peritoneal free fluid.
- Suspect small uterine stump granuloma.

WEIGHT

10.7 pounds

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The primary finding in this study is the splenomegaly exhibiting hypoechoic parenchyma and scalloped medial capsule contour. Given the hypercalcemia this is strongly suggestive of infiltrative splenic neoplasia. Potential for multicentric neoplasia involving the liver could be possible. Assuming normal clotting status and using a 25g needle a splenic +/- hepatic screening FNA is recommended for cytology with potential for oncology consult. A SpecFPL or a GI panel to include PLI/TLI/Cobalamin/Folate could be considered for further assessment of the pancreatic presentation and/or occult GI disease. FNA of the spleen +/- liver may potentially be precluded given the CBC abnormalities and potential bone marrow involvement. Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered.

IMAGING PERFORMED BY

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HOSPITAL NAME

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Hospital

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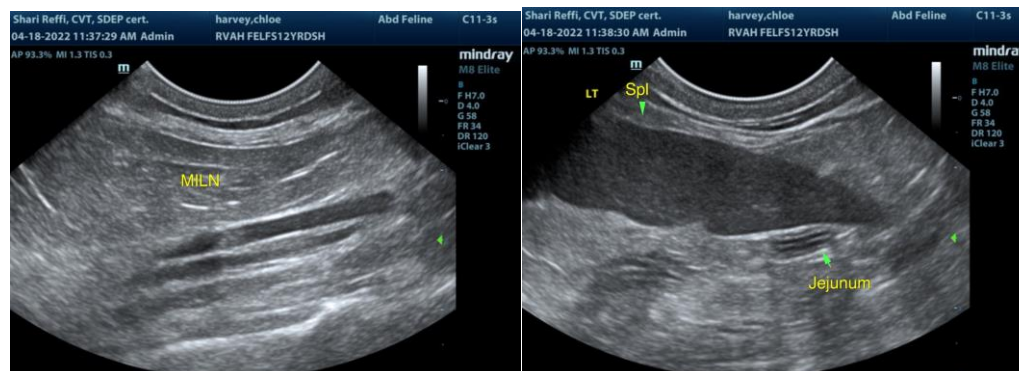
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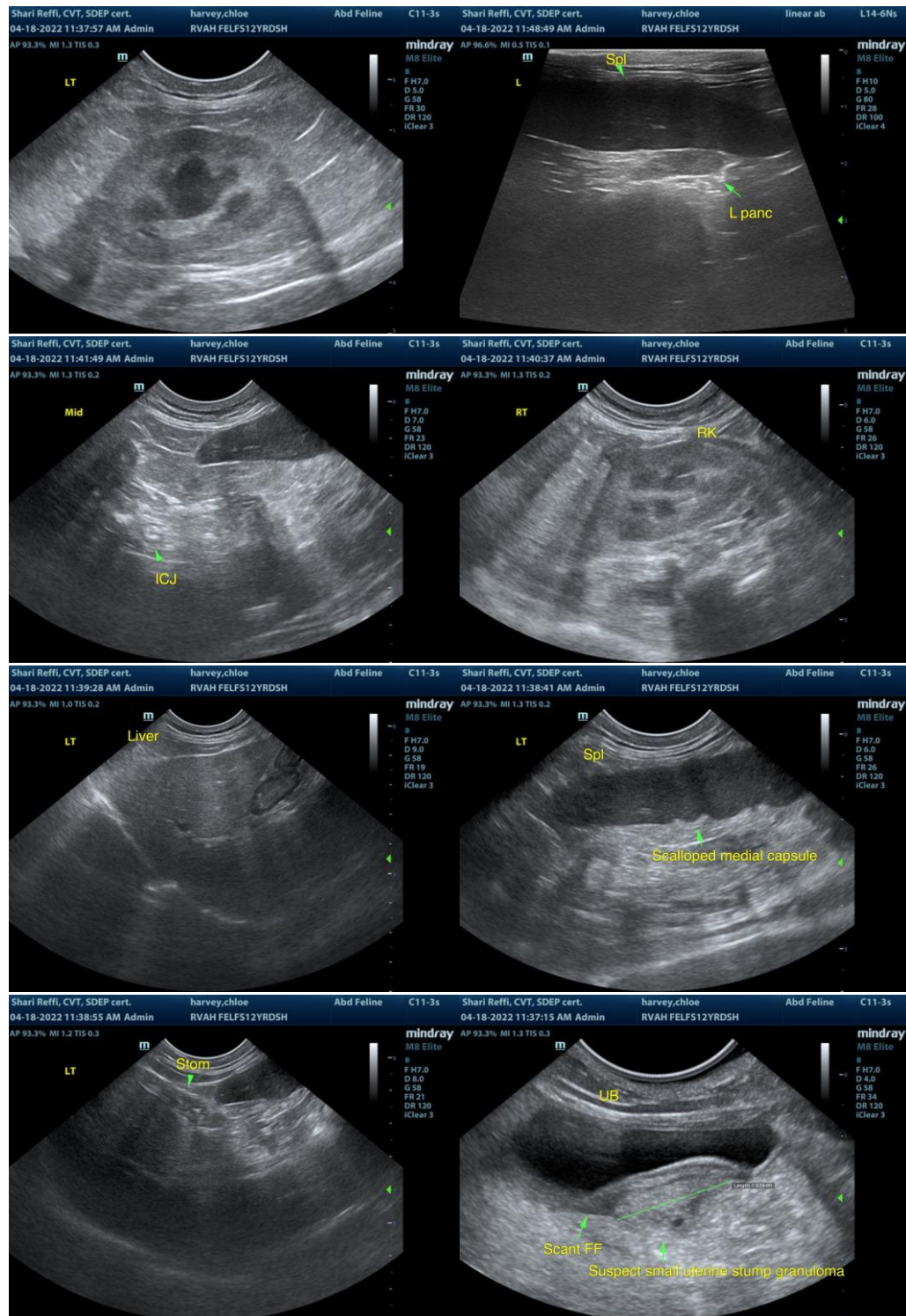
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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