

PATIENT PRESENTING CLINICAL SIGNS

Phoenix Heffron

PUPD for a few months. Increased thirst is the main issue. BCS 5/9, stable weight Normal otherwise Good appetite, hungrier lately has a more sensitive stomach compared to the other pets, but not an overly sensitive GIT. Has been on Denamarin.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Most current BW March 8th 2023 ALT 481 (18 - 12) ALP 646 (5 - 160 U/L) Feb 9th, 2023 ALT 395 (18 - 121) ALP 517 (5-160) Spec cPL 209 (0 - 200 µg/L) USG 1.005, trace pro, neg GLU

BREED

Border Collie

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

MN

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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.

AGE

12yr

Normal size and margination were 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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 6.6 cm in length. The right kidney measured 6.2 cm in length.

WEIGHT

58lb

The area of the aortic trifurcation was free of pathology.

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 0.75 cm width at the caudal pole. The right adrenal gland was indistinctly visualized with no overt pathology subjectively measuring 0.60 cm caudal pole width.

Spleen

IMAGING PERFORMED BY

Crystal Hill

The spleen exhibited mild parenchymal heterogeneity with intermittent discrete non-disruptive variably hyperechoic nodules consistent with benign myelolipomas. An example of a splenic nodule measured 0.91 cm. No masses noted. 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.

HOSPITAL NAME

Hillview Vet Clinic

Liver/Gallbladder

REFERRING VET

Dr. Stevenson

The liver presented mild to moderately 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. A solitary non-disruptive non-homogenous to echogenic nodule was present in the mid ventral liver measuring 2.7 cm in diameter. 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 and mild non-organized echogenic debris. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.

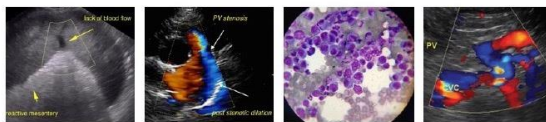
INVOICE

13166ag

Gastrointestinal

DATE

03/14/2023



PATIENT

Phoenix Heffron

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild to moderate strongly shadowing gastric ingesta to echo measuring ~ 2.5-3.0 cm in diameter with no signs of ileus or obstruction.

SPECIES

Canine

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.

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

BREED

Border Collie

Pancreas

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.

SEX

MN

Free Abdomen

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

AGE

12yr

ULTRASONOGRAPHIC FINDINGS

- Mild age related renal changes.
- Overtly normal bilateral adrenal glands.
- Benign splenic nodules.
- Hepatopathy with non-specific yet subjective benign nodule-vacuolar hepatopathy, inflammatory hepatopathy i.e., cholangiohepatitis, hematopoiesis, hyperplasia, fibrosis or other hepatopathy possible. Neoplastic criteria considered less likely.
- Gallbladder debris (non-mucocele).
- Strongly shadowing gastric ingesta/echo.

WEIGHT

58lb

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(Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Baseline renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample is warranted.

IMAGING PERFORMED BY

Crystal Hill

The bilateral adrenal glands are not overtly suggestive of primary adrenal pathology however if strong clinical concern for Cushing's syndrome, adrenal testing could be considered.

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Assuming normal clotting status an ultrasound guided hepatic FNA for screening cytology could be considered.

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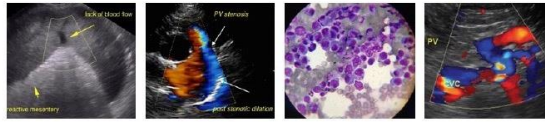
Some concern for possible gastric foreign material given the strongly shadowing gastric ingesta is warranted although not definitive. Sonographic reassessment of the stomach following documented 12-18 hour NPO recommended to assess for evidence of persistent retained strongly shadowing gastric ingesta vs gastric emptying.

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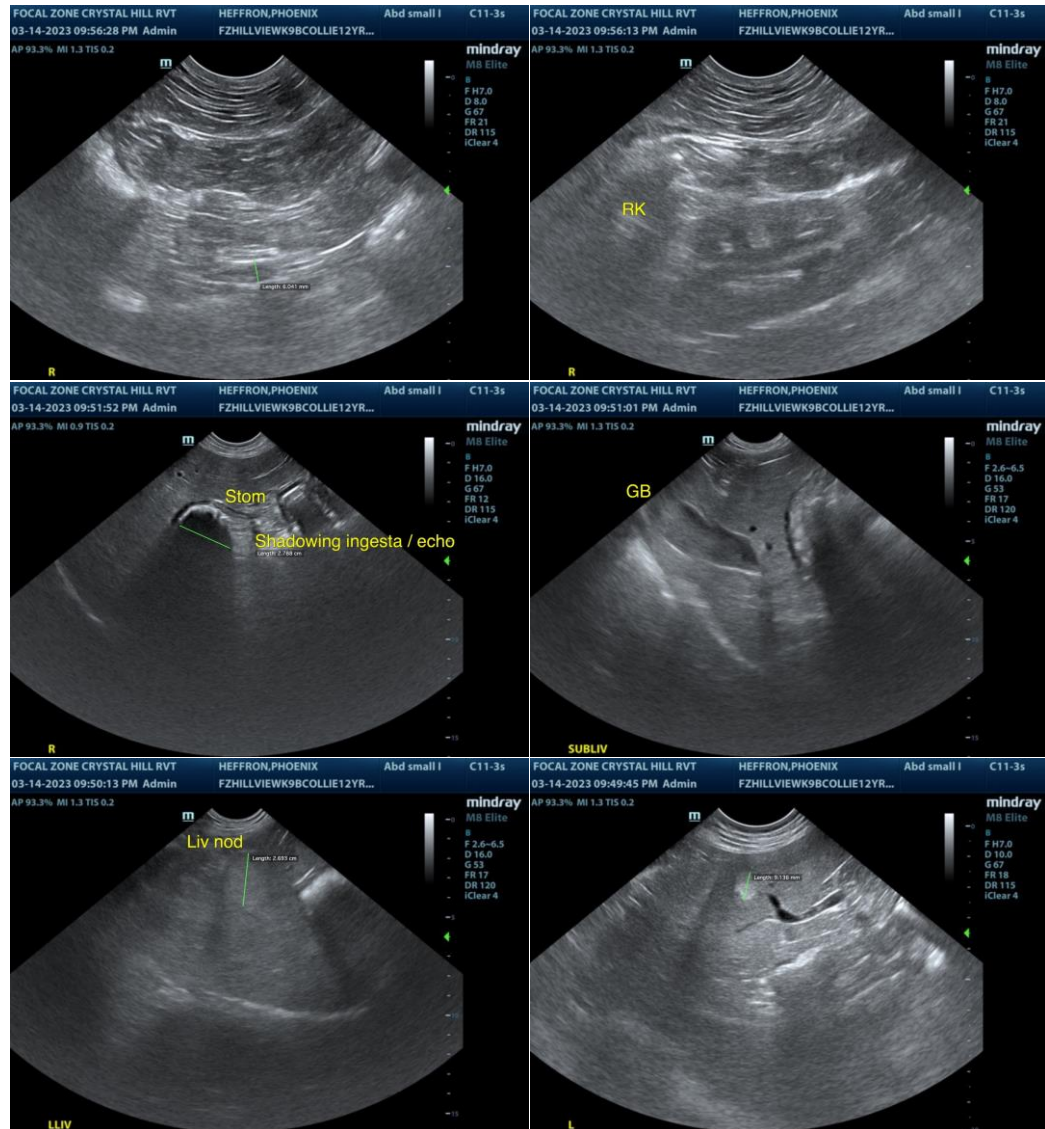
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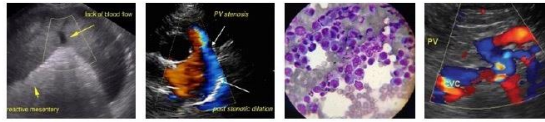
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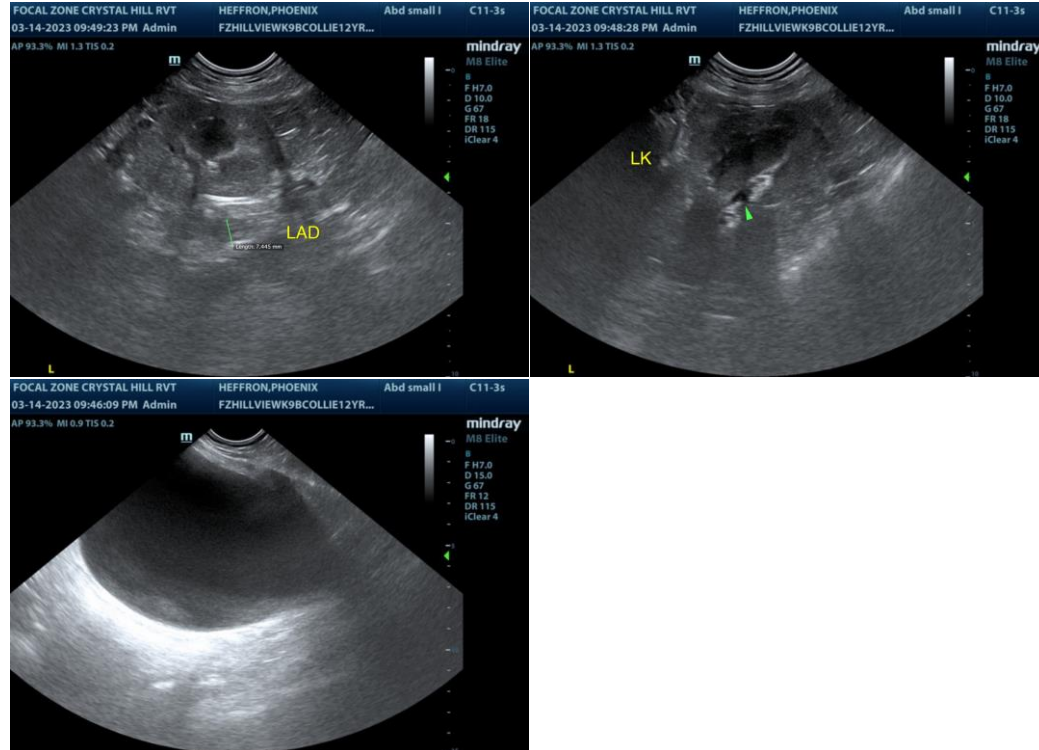
MN

AGE

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WEIGHT

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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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