



PATIENT PRESENTING CLINICAL SIGNS

Lily Millar-Sway

New to this clinic. Had bloodwork done in July all within normal limits. History of chronic diarrhea over several months. Has been put on Dexamethasone but no real improvement noted and was still feeding table scraps. Started a new Hypo diet yesterday. No vomiting. Weight loss and muscle loss noted. Both submandibular lymph nodes are large and easily palpable.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Bloodwork WNL in July

BREED

German Shepherd

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

FS

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 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.

AGE

8yr

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 6.4 cm in length. The right kidney measured 6.5 cm in length.

WEIGHT

30.3kg

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 0.5 cm width at the caudal pole and 1.9 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.57 cm width at the caudal pole and 1.6 cm length.

Spleen

IMAGING PERFORMED BY

Crystal Hill

The spleen exhibited generalized enlargement with symmetrical capsule contour. Diffuse mild non-homogenous splenic parenchyma with moderate coarse echotexture was present. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. No masses or nodules noted.

HOSPITAL NAME

Parkside Animal
Hospital

Liver

REFERRING VET

Dr. Zak

The liver was mildly enlarged in size with normal structure, and contour. Subjective reduce parenchyma echogenicity was present exhibiting mild coarse echotexture. No masses or nodules noted. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with minor wall edema and primarily anechoic luminal content with mild non-dependent hyperechoic luminal debris. The cystic and common bile ducts were normal.

INVOICE

12037ag

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

10/28/2022

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.


PATIENT
Pancreas

Lily Millar-Sway

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.

SPECIES

Canine

Free Abdomen

No peritoneal effusion was present.

BREED

German Shepherd

Multiple enlarged mesenteric root lymph nodes were present. These lymph nodes were homogenous, mildly hypoechoic and smoothly marginated. A normal width: length ratio was maintained (<0.5). Evidence of perilymphatic inflammation was evident. An example of lymph node size was 2.3 cm x 1.7 cm. Concurrent hypoechoic medial iliac lymphadenopathy was present.

SEX

FS

ULTRASONOGRAPHIC FINDINGS

- Multiple hypoechoic to swollen mesenteric root lymph nodes, likely concurrent minor medial iliac lymphadenopathy
- Splenomegaly exhibiting generalized non-homogenous parenchyma
- Subjective mild hepatomegaly exhibiting mild parenchyma hypoechoicogenicity
- Non-distended gallbladder with mild wall edema and non-organized luminal debris (non-mucocele)
- Overtly normal GI tract

AGE

8yr

WEIGHT

30.3kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Although sampling is required for further assessment the mesenteric root lymphadenopathy is most suggestive of neoplastic criteria i.e. lymphoma or similar with mesenteric root lymphadenitis possible. The hepatosplenic presentation may indicate benign etiologies i.e. vacuolar hepatopathy, inflammatory disease, breed associated hypersplenism, splenitis, hematopoiesis, hyperplasia or similar although the possibility of hepatosplenic involvement in suspect underlying neoplastic process could be possible. hepatopathy possible.

INTERPRETED BY

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

Assuming normal clotting status and using a 25g needle, a hepatosplenic and lymph node FNA for screening cytology is warranted for further assessment and potential oncology consult. A GI panel to include PLI/TLI/Cobalamin/Folate is recommended. A fresh fecal analysis to rule out parasitic ova/giardia recommended if not done. Three view chest radiographs are recommended if not done to assess for occult thoracic pathology. Correlation with recheck CBC/Chem/UA is suggested.

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

 Parkside Animal
 Hospital

A guarded prognosis is indicated.

REFERRING VET

Dr. Zak

INVOICE

12037ag

DATE

10/28/2022



PATIENT

Lily Millar-Sway

SPECIES

Canine

BREED

German Shepherd

SEX

FS

AGE

8yr

WEIGHT

30.3kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Parkside Animal
Hospital

REFERRING VET

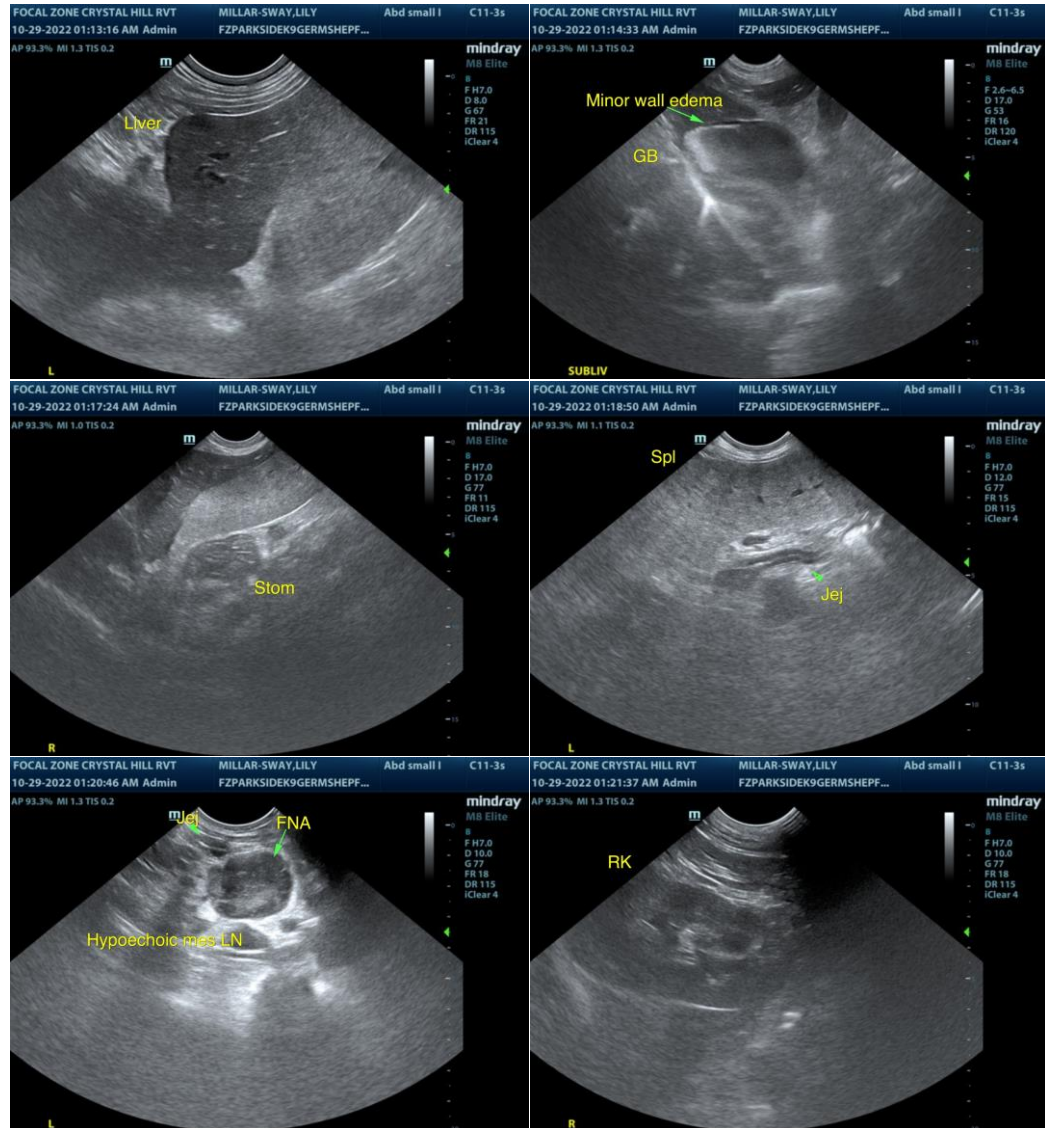
Dr. Zak

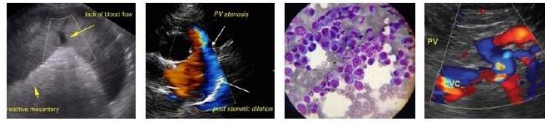
INVOICE

12037ag

DATE

10/28/2022





PATIENT

Lily Millar-Sway

SPECIES

Canine

BREED

German Shepherd

SEX

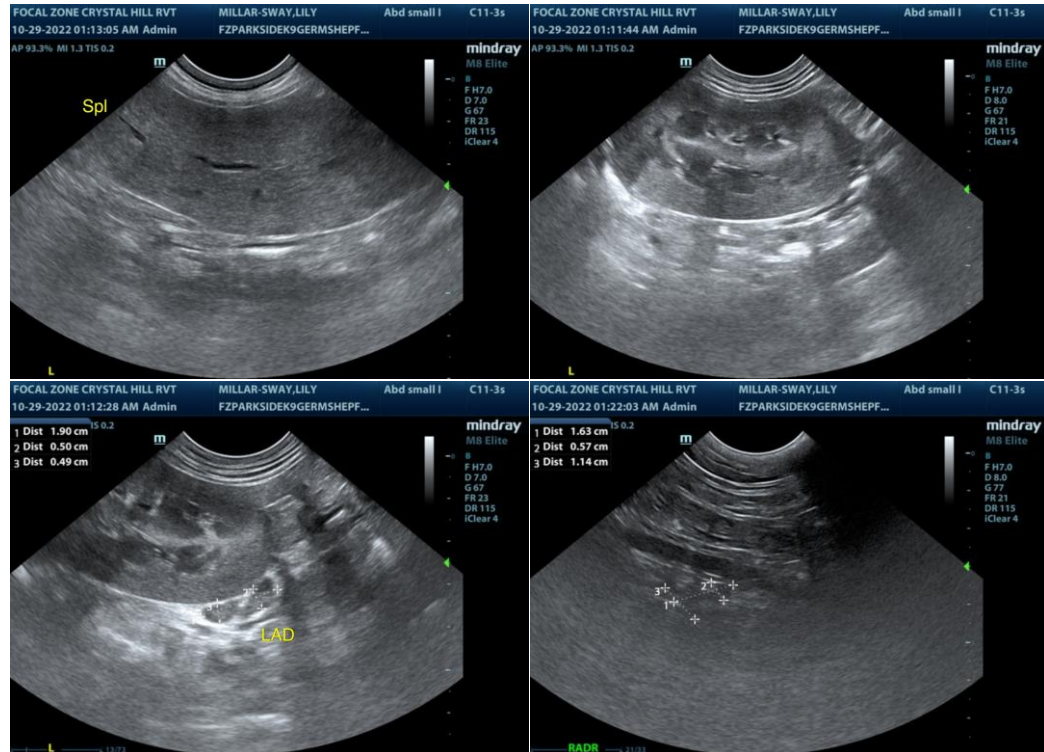
FS

AGE

8yr

WEIGHT

30.3kg



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)

info@SonoPath.com

INTERPRETED BY

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

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Parkside Animal
Hospital

REFERRING VET

Dr. Zak

INVOICE

12037ag

DATE

10/28/2022