



PATIENT

Ripley Palumbo

SPECIES

Canine

BREED

American Eskimo

SEX

Neutered Male

AGE

8 Years

WEIGHT

12.8 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Erin Wicks

HOSPITAL NAME

Shores VEC

REFERRING VET

Dr. Zippay

INVOICE

25694

DATE

9/21/21

PRESENTING CLINICAL SIGNS

Presented at our hospital for AUS. Started two weeks ago with weird behavior towards their housecat, then started with bad diarrhea and vomiting, seen here on the 9th, tx outpatient with Provable, Metronidazole, Cerenia, Denamarin, Gabapentin. Did better on medication, no more vomiting, formed stool, finished meds and started to very gradually and then started with diarrhea again, lethargic, can't seem to get comfortable, panting. Not getting into anything that owner is aware of. Current Medications/Supplements/OTC: Provable Appetite/When did they eat last: last night
Abnormal PE/Chem/CBC/UA Results: 9/9/21 Radiographs – liver lobe enlargement, sl decreased detail R cranial quadrant, semi-formed stool in colon, increased mild gas throughout intestinal tract; 9/9/21 Blood work – lact 5.41, Glu 151, ALT 424, ALP 574, GGT 15 Fecal negative

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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

No evidence of pathology in the area of the residual prostate.

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 mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 5.1 cm. The right kidney measured 5.4 cm.

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.2 cm length x 0.52 cm at the caudal pole. No overt pathology in the area of the right adrenal gland.

Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. 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.

Liver

The liver exhibited generalized enlargement with maintained capsular contour. Overall mild generalized increased hepatic parenchyma echogenicity compared to the falciform fat and renal cortices with moderate coarse echotexture. Mild variable lobar swelling was present, which appeared to be slightly impinging upon the gastric body with potential for minor gastric displacement. The gallbladder was non-distended in size. The gallbladder wall was thickened in appearance consisting of an echogenic double rim corresponding to the inner and outer portions of the wall. This is consistent with subtle gallbladder wall edema. Possible causes may include acute inflammation, hypoalbuminemia, right sided heart failure and anaphylaxis. Gallbladder wall measured 0.22 cm in width.



PATIENT

Gastrointestinal

Ripley Palumbo

The stomach presented intact wall layering with a normal wall layer ratio. The stomach contained a mild amount of retained echogenic ingesta, fluid and chyme. Pylorus wall measured 0.46 cm. No evidence of mechanical pyloric outflow obstruction.

SPECIES

Canine

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. Intermittent jejunal mucosal speckling was present. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material. Duodenum wall measured 0.45 cm. Jejunum wall measured 0.33 cm.

BREED

American Eskimo

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

SEX

Neutered Male

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia. No evidence of masses.

Free Abdomen

AGE

8 Years

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

WEIGHT

12.8 kg

- Hepatopathy with mild variable lobar swelling and minor gallbladder wall edema – suspect cholangiohepatitis.
- Gastroenteritis pattern with likely mild metabolic gastric stasis, potential for inflammatory bowel
- Mildly heterogeneous pancreas – not consistent with active pancreatitis, patient variant or low-grade chronic inflammation may be present.

INTERPRETED BY

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

IMAGING PERFORMED BY

Erin Wicks

HOSPITAL NAME

Shores VEC

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Fresh fecal analysis to assess for parasitic ova/giardia as well as GI panel to include PLI, TLI, cobalamin and folate are recommended. Assuming normal clotting status, hepatic FNA may be considered for screening cytology and potential identification of inflammatory cell type. No overt evidence of neoplastic hepatic or hepatobiliary criteria, which is considered a less likely differential diagnosis. Some degree of concurrent vacuolar hepatic changes and cholestasis (given the ALP and GGT elevation) possible. Pending hepatic cytology (if elected), cholangiohepatitis protocol with as-needed gastrointestinal support would be reasonable. Recheck sonogram could be considered to assess for progressive inflammatory hepatic and gastrointestinal changes pending clinical response to therapy.

REFERRING VET

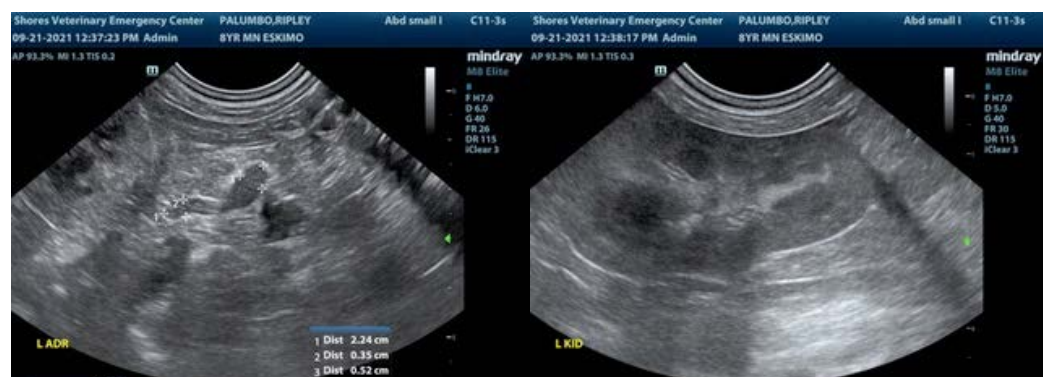
Dr. Zippay

INVOICE

25694

DATE

9/21/21





PATIENT

Ripley Palumbo

SPECIES

Canine

BREED

American Eskimo

SEX

Neutered Male

AGE

8 Years

WEIGHT

12.8 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Erin Wicks

HOSPITAL NAME

Shores VEC

REFERRING VET

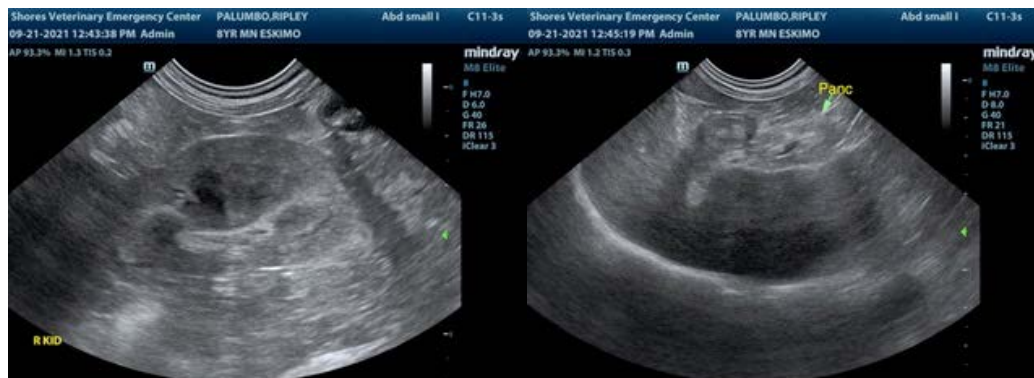
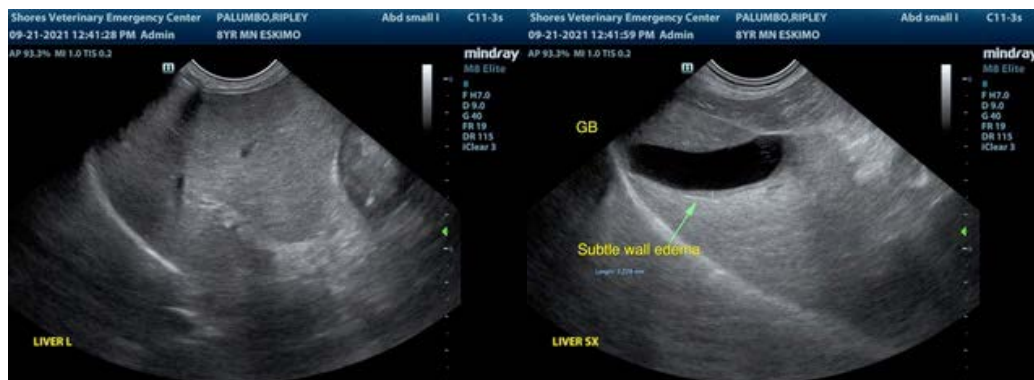
Dr. Zippay

INVOICE

25694

DATE

9/21/21





PATIENT

Ripley Palumbo

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

SPECIES

Canine

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

BREED

American Eskimo

SEX

Neutered Male

AGE

8 Years

WEIGHT

12.8 kg

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Erin Wicks

HOSPITAL NAME

Shores VEC

REFERRING VET

Dr. Zippay

INVOICE

25694

DATE

9/21/21