



PATIENT

Arista Hagman

SPECIES

Feline

BREED

DSH

SEX

Female Spayed

AGE

4

WEIGHT

5.2 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Resolution Vet
Ultrasound LTD

REFERRING VET

Dr. Morley

INVOICE

13949

DATE

5/25/22

PRESENTING CLINICAL SIGNS

Chronic intermittent vomiting mostly bile, concerned about IBD, Picky appetite, urinating outside the liter box (new behavior). Patient sedated with gabapentin and butorphanol for scan.

Abnormal PE/Chem/CBC/UA Results: CBC and Chemistry pending as of today.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 cm exhibited normal thickness and tone. Primarily anechoic urine was present in the lumen. Mild, nondependent, particulate sediment was present without evidence of calculus formation. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic mural changes were noted.

The area of the aortic trifurcation was free of pathology.

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 3.5 cm in length. The right kidney measured 3.5 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.35 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.30 cm width at the caudal pole.

Spleen

The spleen exhibited potential to subjective mild enlargement with 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. The spleen measured 1.0-1.1 cm width.

Liver/ Gallbladder

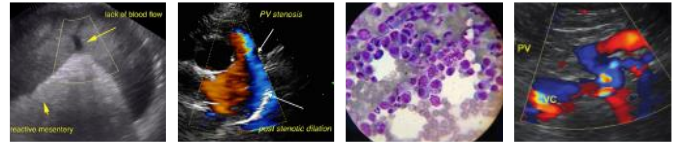
The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. Mild nonshadowing Ingesta / chyme was present. The gastric body wall width measured 0.20 cm.



PATIENT	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. The duodenum wall width measured 0.24 cm. The jejunum wall width measured 0.25 cm. The ileocolic wall width measured 0.31 cm.
Arista Hagman	
SPECIES	
Feline	Normal visible colon wall layers were present with subjective semi-formed to soft feces in lumen.
BREED	<i>Pancreas</i>
DSH	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 were evident.
SEX	<i>Free Abdomen</i>
Female Spayed	Intermittent jejunocolic lymph nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). An example lymph node measured 1.2 cm x 0.5 cm. No effusion was noted. The omentum exhibited uniform normal echogenicity.
AGE	
4	
WEIGHT	ULTRASONOGRAPHIC FINDINGS
5.2 kg	<ul style="list-style-type: none"> • Mild urinary bladder sediment • Sonographically unremarkable gastrointestinal tract with mild gastric ingesta / chyme • Overtly normal pancreas • Intermittent subjective benign / reactive jejunocolic lymph nodes • Subjective mild splenomegaly exhibiting symmetrical capsule contour and homogeneous parenchyma - nonspecific
INTERPRETED BY	<u>INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS</u>
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The potential for mild splenomegaly is nonspecific yet not overtly suggestive of neoplastic criteria. Considerations may include splenomegaly secondary to sedation, if clinically applicable, patient variant, benign hyperplasia, hematopoiesis, and incidental splenitis. If evidence of persistent splenomegaly, ultrasound-guided FNA of the spleen using a 25-ga needle and assuming normal clotting status could be considered primarily to ensure only benign changes are present.
IMAGING PERFORMED BY	
Dr. Belan	
HOSPITAL NAME	
Resolution Vet Ultrasound LTD	
REFERRING VET	
Dr. Morley	The urinary bladder sediment may suggest cellular / crystalline debris or mucus. Cystocentesis for UA +/- C/S if evidence of inflammatory cells is recommended.
INVOICE	
13949	Dietary intolerance / food hypersensitivity, low-grade to mild pancreatitis, inflammatory enteropathy both of which may present as sonographically normal, and occult parasitism, could be considered as possible factors contributing to the patient's chronic intermittent vomiting. A GI panel to include PLI/TLI/Cobalamin/Folate could be considered for further assessment, especially if progressive gastrointestinal signs, i.e., diarrhea or evidence of weight loss are noted. Empirical gastrointestinal support along with novel protein or hydrolyzed diet trial with assessment of clinical response would be reasonable.
DATE	
5/25/22	



PATIENT

Arista Hagman

SPECIES

Feline

BREED

DSH

SEX

Female Spayed

AGE

4

WEIGHT

5.2 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Resolution Vet
Ultrasound LTD

REFERRING VET

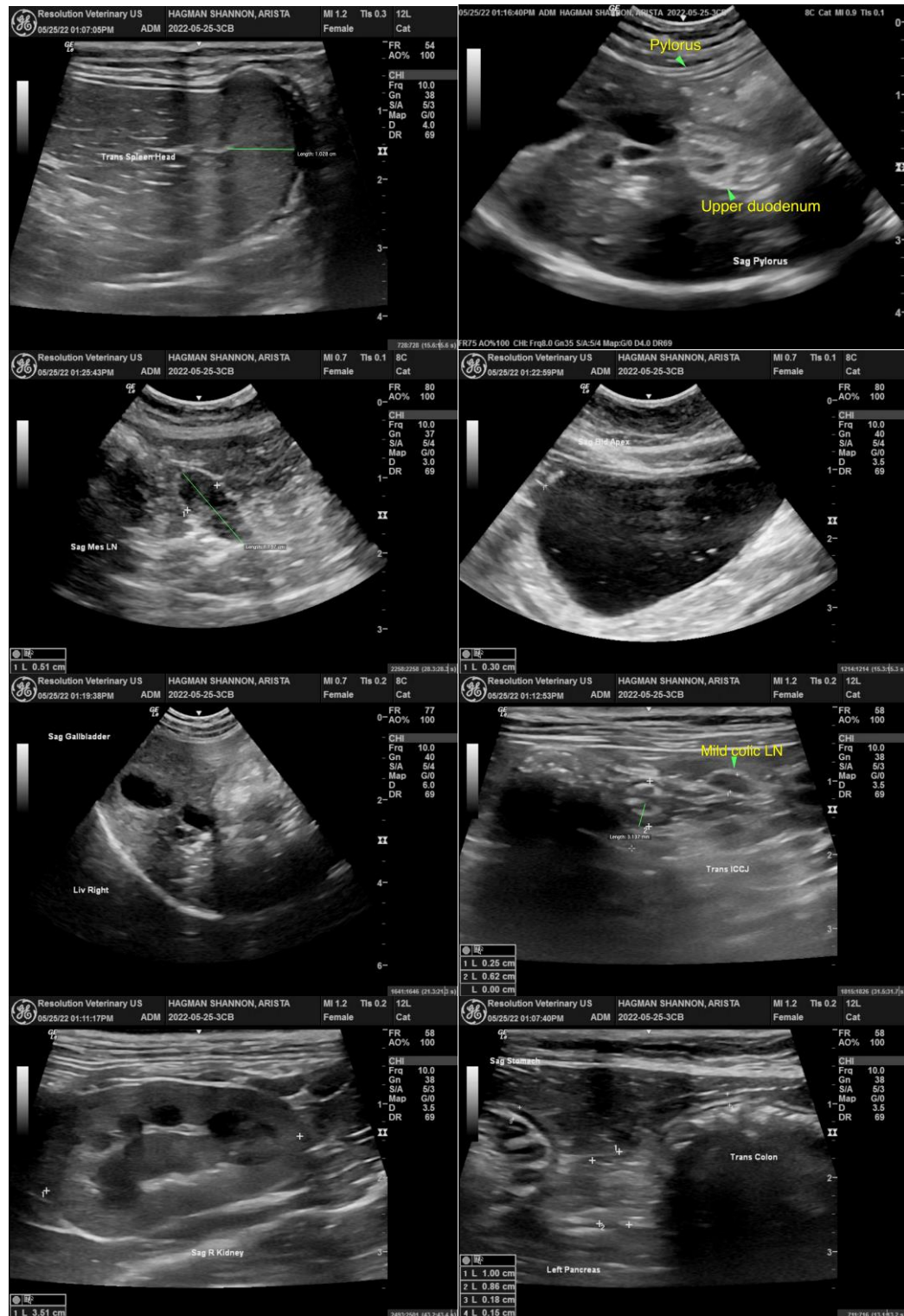
Dr. Morley

INVOICE

13949

DATE

5/25/22





PATIENT

Arista Hagman

SPECIES

Feline

BREED

DSH

SEX

Female Spayed

AGE

4

WEIGHT

5.2 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Resolution Vet
Ultrasound LTD

REFERRING VET

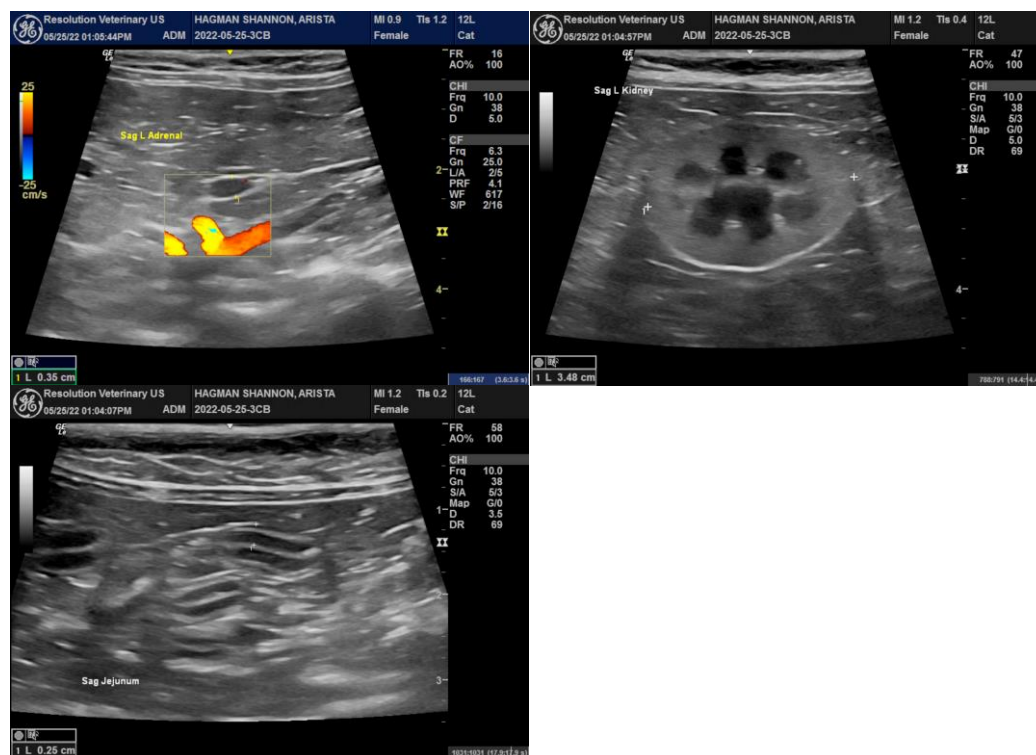
Dr. Morley

INVOICE

13949

DATE

5/25/22



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