



PATIENT	PRESENTING CLINICAL SIGNS
Harvey Berenbaum	Vomiting and bloody diarrhea started this morning, decreased appetite. Diet: Royal Canin SP - Rabbit . Hx IBD
SPECIES	Abnormal PE/Chem/CBC/UA Results
Canine	Temp: 97.6 on presentation. RBC 10.34 + 5.50-8.50 10 ¹² /l HGB 24.3 + 12.0-18.0 g/dl HCT 71.21 + 37.00-55.00 % LYM 0.9 - 1.00-4.80 10 ⁹ /l ALP 216 HIGH 20-150 U/L
BREED	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Doberman	Urinary System
SEX	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.
MN	
AGE	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 6.7 cm in length. The right kidney measured 6.9 cm in length.
6	
WEIGHT	
63.5	
INTERPRETED BY	The area of the aortic trifurcation was free of pathology.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The area of the residual prostate appeared normal and free of pathology measuring 1.9 cm in diameter.
IMAGING PERFORMED BY	Adrenal Glands
Dr. Mychajlonka	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.66 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.776 cm width at the caudal pole.
HOSPITAL NAME	Spleen
Craig Road Animal Hospital	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.
REFERRING VET	Liver/Gallbladder
Dr. Mychajlonka	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 was uniform 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 and
INVOICE	
13286ag	
DATE	
03/27/2023	



PATIENT	moderate echogenic debris. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.
Harvey Berenbaum	
	Gastrointestinal
SPECIES	The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach exhibited moderate gas distention with no signs of ileus, obstruction or foreign material.
Canine	
	The intestinal walls demonstrated intact wall layering and maintained 1:3 muscularis / mucosa ratio. The mucosa exhibited mild decreased echogenicity with occasional mucosal speckling. A generalized ileus pattern consisting of mild fluid accumulation in the intestinal lumen was present without obstruction or foreign material.
BREED	
Doberman	
	Normal visible colon wall layers were present with moderate generalized distention and non formed feces in lumen.
SEX	
MN	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.
AGE	
6	Free Abdomen
	No omental masses or peritoneal effusion was present.
WEIGHT	
63.5	Intermittent mildly prominent mesenteric 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 to peri intestinal inflammation was evident.
INTERPRETED BY	ULTRASONOGRAPHIC FINDINGS
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	<ul style="list-style-type: none"> • Moderate gas distended stomach. • Acute enterocolitis pattern with generalized intestinal hypomotility/dysfunctional bowel and distended colon containing non-formed feces-acute hemorrhagic diarrhea syndrome, IBD, enterotoxic insult, dietary indiscretion, occult parasitism, infectious disease, dysbiosis or occult intestinal neoplasia (less likely) possible. • Intermittent benign/reactive mesenteric lymphadenopathy-probable secondary hyperplasia or reactive lymphadenitis owing to inflammatory bowel episode. • Low-grade hepatopathy-benign. • Gallbladder debris (non-mucocele)
IMAGING PERFORMED BY	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
Dr. Mychajlonka	Hospitalization with aggressive IV fluids, plasma expanders, GI support to include gastroprotectants, empirical antibiotic therapy if clinical concern for infectious disease, therapy for acute hemorrhagic diarrhea syndrome and assessment of GI and clinical response would be reasonable. The mild lymphopenia suggests less likely potential for occult Addison's disease and inadequate stress response.
HOSPITAL NAME	Sonographic reassessment of the GI tract is suggested pending clinical response to aggressive GI support.
Craig Road Animal Hospital	
REFERRING VET	
Dr. Mychajlonka	
INVOICE	
13286ag	
DATE	
03/27/2023	



PATIENT

Harvey Berenbaum

SPECIES

Canine

BREED

Doberman

SEX

MN

AGE

6

WEIGHT

63.5

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Mychajlonka

HOSPITAL NAME

Craig Road Animal
Hospital

REFERRING VET

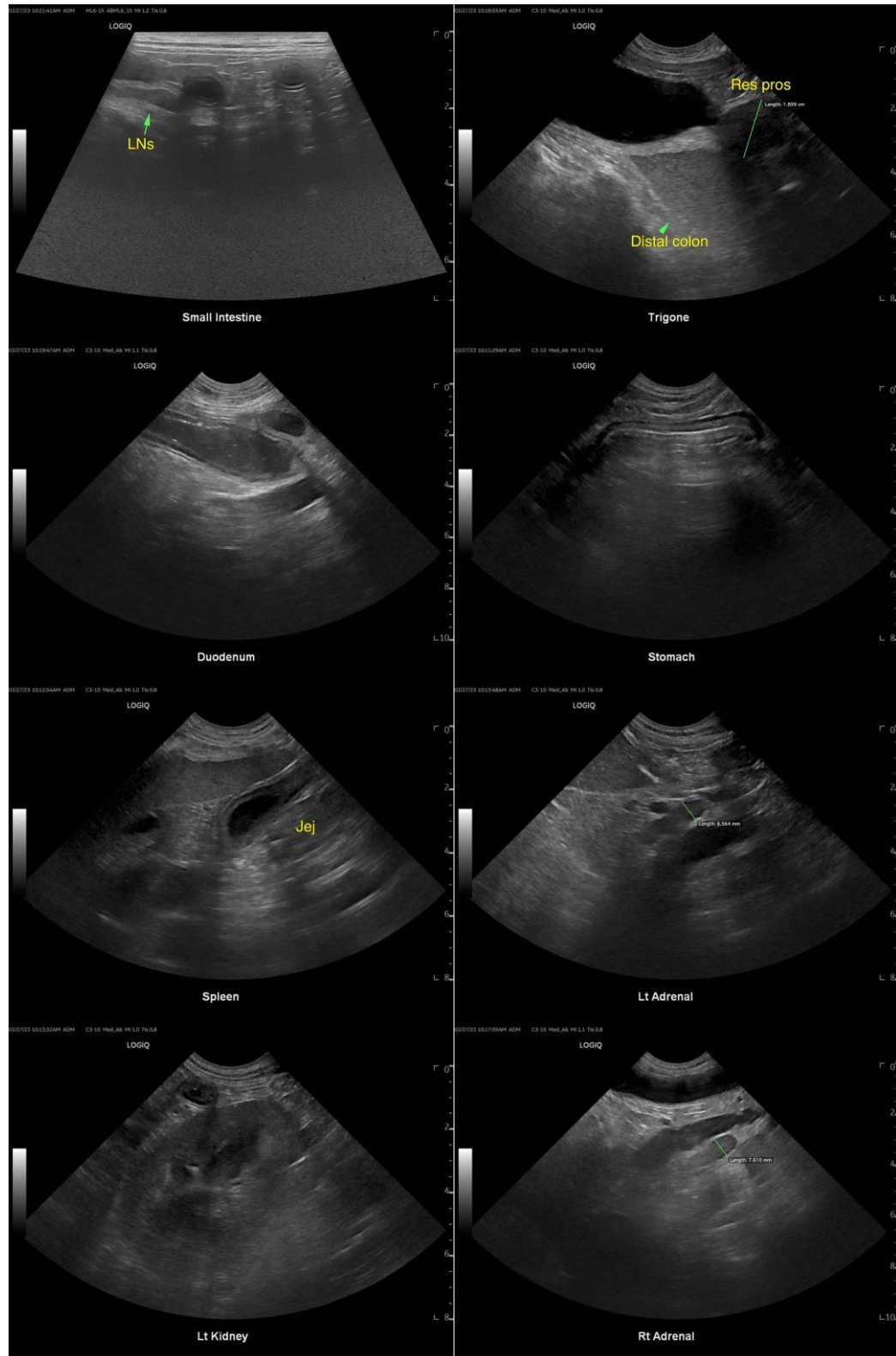
Dr. Mychajlonka

INVOICE

13286ag

DATE

03/27/2023





PATIENT

Harvey Berenbaum

SPECIES

Canine

BREED

Doberman

SEX

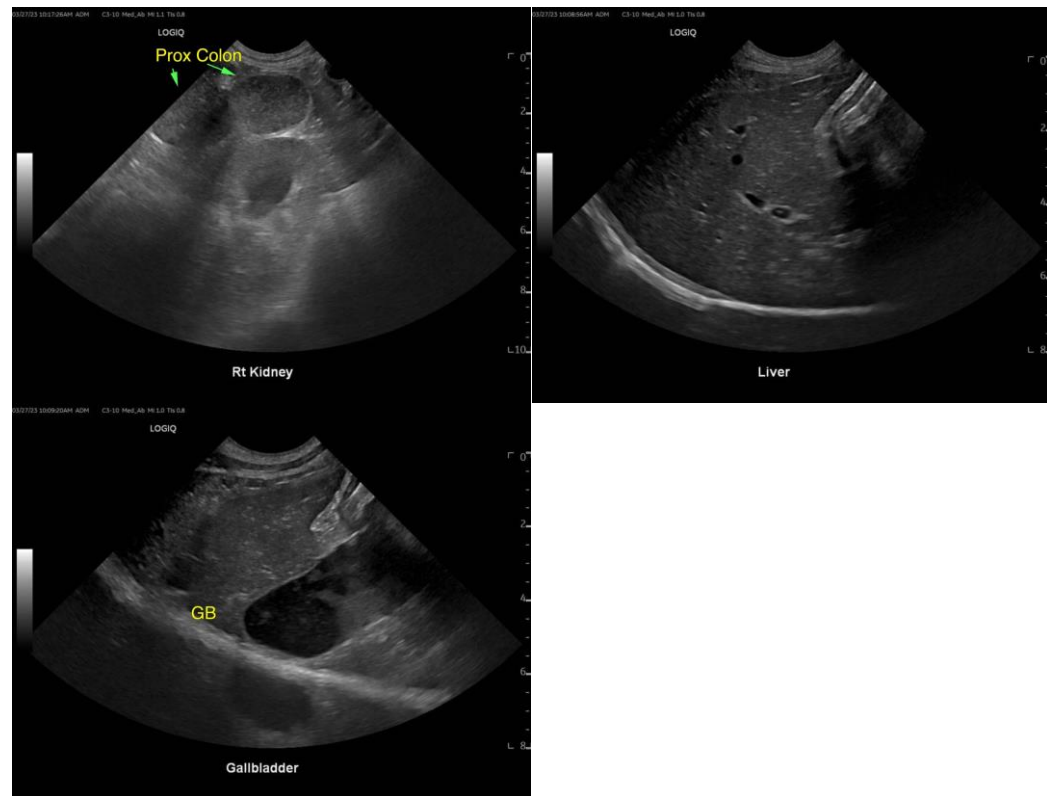
MN

AGE

6

WEIGHT

63.5



INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Mychajlonka

HOSPITAL NAME

Craig Road Animal
Hospital

REFERRING VET

Dr. Mychajlonka

INVOICE

13286ag

DATE

03/27/2023

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)
mac.daniel@sonopath.com