



PATIENT

Winston Armstrong

SPECIES

Canine

BREED

Rotti

SEX

MN

AGE

8 years

WEIGHT

50.9 kg

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP

**IMAGING
PERFORMED BY**

Kelly Reschny

HOSPITAL NAME

Hamilton Region
Veterinary Emergency
Clinic

REFERRING VET

Dr. Wattson

INVOICE

17237

DATE

7/14/23

PRESENTING CLINICAL SIGNS

Acute onset severe hemorrhagic liquid diarrhea (started at 6pm yesterday). Recent 4DX negative. Had metacam (given with food as directed) Mon/Tues for torn nail and Nexguard on Tuesday. Last meal Thursday AM. Stable vitals on presentation.

Current Medications Sedation (methadone, dexmedetomidine, alfaxalone)

Abnormal PE/Chem/CBC/UA Results: Na/K ratio 33, ALP 229, Spec cPL normal

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. 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 was noted.

The residual prostate was free of pathology.

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 7.9 cm in length. The right kidney measured 7.2 cm in length.

Adrenal Glands

Both adrenal glands were overtly normal in size, position, and shape. The left adrenal gland measured 2.5 cm length x 0.63 cm width at the caudal pole. The right adrenal gland measured 3.6 cm length x 1.1 cm width at the caudal pole.

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/ 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.



PATIENT

Winston Armstrong

SPECIES

Canine

BREED

Rotti

SEX

MN

AGE

8 years

WEIGHT

50.9 kg

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP

IMAGING PERFORMED BY

Kelly Reschny

HOSPITAL NAME

Hamilton Region
Veterinary Emergency
Clinic

REFERRING VET

Dr. Wattson

INVOICE

17237

DATE

7/14/23

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with mild retained anechoic fluid. There was no overt evidence of gastric foreign material.

The small intestine presented intact wall layering with normal wall layer ratio. Empty small intestinal segments were noted along with mild segmental small intestinal ileus and subjective increased segmental intestinal gas pattern.

The colon walls presented intact yet prominent wall layering with mild thickened to echogenic submucosa. The colon was non-distended in size containing generalized non-formed to liquid fecal matter, consistent with patient history.

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 were evident.

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

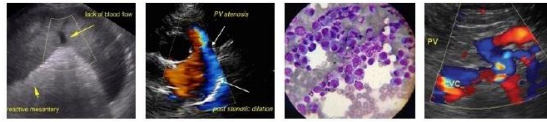
ULTRASONOGRAPHIC FINDINGS

- Mild retained gastric fluid - suspect mild metabolic / functional gastric stasis
- Enterocolitis pattern with mild segmental intestinal ileus and non-formed fecal matter
- Low-grade hepatopathy - benign

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Dietary indiscretion, enterotoxic insult, infectious disease, inflammatory bowel disease, acute hemorrhagic diarrhea syndrome, or other gastroenterocolopathy are all potentials. No obvious evidence of an obstructive pattern or definitive foreign material, although technically small amounts of nonobstructive foreign material obscured by segmental intestinal gas cannot be definitively excluded.

Empirical aggressive therapy for acute hemorrhagic diarrhea syndrome is warranted. Recheck sonogram is suggested if progressive clinical signs nonresponsive to empirical treatment are noted. Further assessment may include a GI panel to include PLI/TLI/Cobalamin/Folate, fresh fecal analysis to rule out parasitic ova / Giardia, and although considered less likely, screening resting cortisol level to rule out occult Addison's Disease.



PATIENT

Winston Armstrong

SPECIES

Canine

BREED

Rotti

SEX

MN

AGE

8 years

WEIGHT

50.9 kg

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP

IMAGING PERFORMED BY

Kelly Reschny

HOSPITAL NAME

Hamilton Region
Veterinary Emergency
Clinic

REFERRING VET

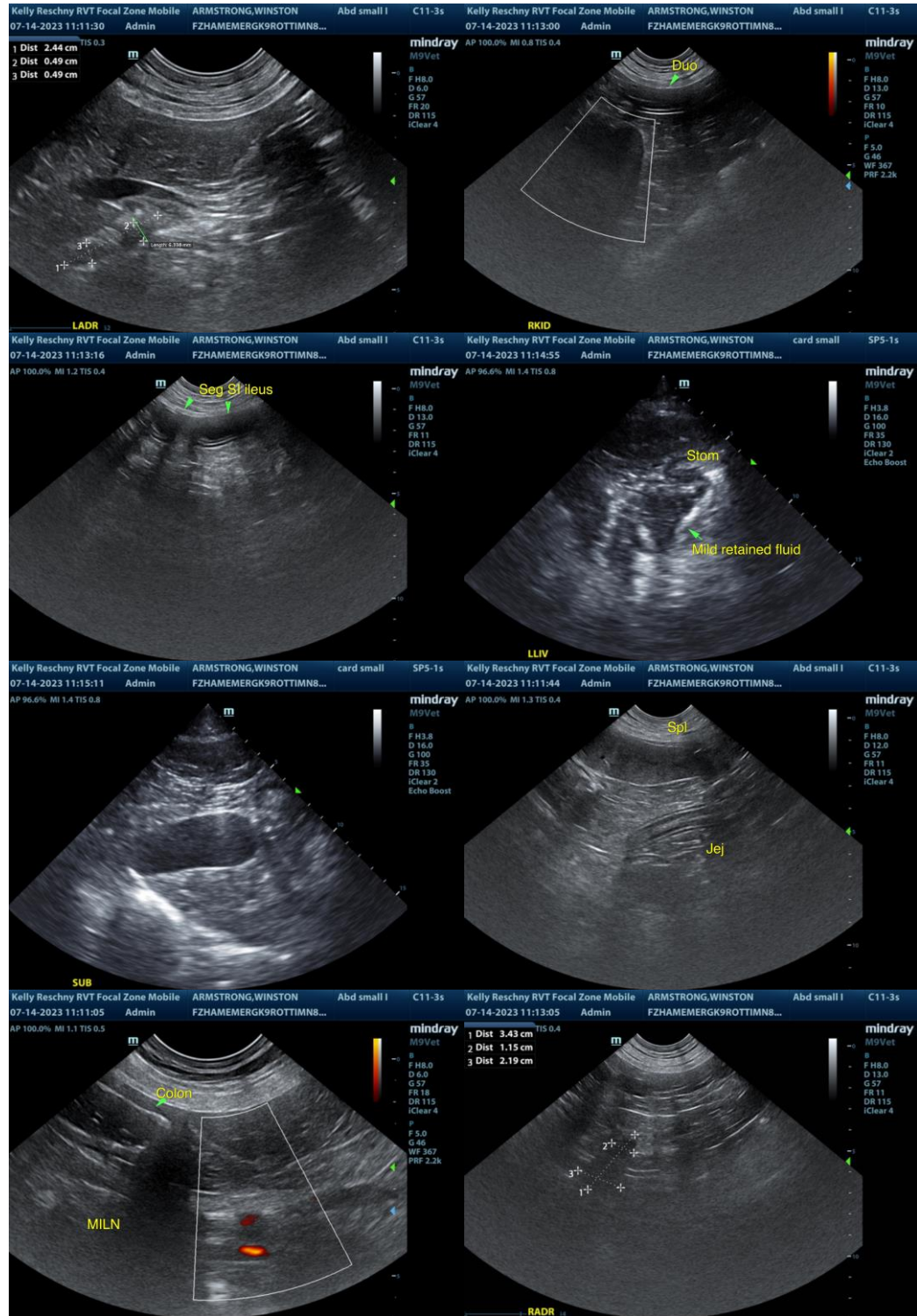
Dr. Wattson

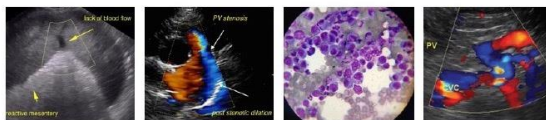
INVOICE

17237

DATE

7/14/23





PATIENT

Winston Armstrong

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.

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.

BREED

Rotti

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com

SEX

MN

AGE

8 years

WEIGHT

50.9 kg

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP

IMAGING PERFORMED BY

Kelly Reschny

HOSPITAL NAME

Hamilton Region
Veterinary Emergency
Clinic

REFERRING VET

Dr. Wattson

INVOICE

17237

DATE

7/14/23