



PATIENT	PRESENTING CLINICAL SIGNS
Poppy Matyas	profuse vomiting when drinking, lethargic
SPECIES	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Feline	Urinary System
BREED	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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.
DSH	The area of the aortic trifurcation was free of pathology.
SEX	Normal size and margination were present in the kidneys. Subtle cortical hypertrophy was present in both kidneys with no evidence of pyelectasia or overt pyelonephritis. A hyperechoic corticomedullary band, consistent with a medullary rim sign, was present. This is a nonspecific finding seen in both normal and abnormal kidneys. It may be associated interstitial renal disease, hypercalcemia, tubular necrosis, lymphoma, and FIP. However, it is likely an idiopathic finding. The left kidney measured 4.3 cm in length. The right kidney measured 4.1 cm in length.
Spayed Female	
AGE	
10 months	
WEIGHT	Adrenal Glands
4 kg	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.27 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.34 cm width.
INTERPRETED BY	Spleen
R. McKenzie Daniel, DVM, DABVP	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.
IMAGING PERFORMED BY	
Kelly Reshny, RVT	
HOSPITAL NAME	Liver/ Gallbladder
Chippawa AH	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 normal yet mildly distended, likely owing to decreased food intake and fasting. Subtle concurrent distention of the cystic bile duct was present. The common bile duct was normal.
REFERRING VET	
Dr. Dowell	
INVOICE	Gastrointestinal
12239	The stomach exhibited marked distention with retained primarily anechoic fluid along with a mild amount of probable retained chyme and mucus extending into the pylorus and pyloric outflow tract as well as potentially into the upper duodenum. A focal, nonspecific, hyperechoic, nonshadowing echo noted in the pyloric outflow, measuring approximately 2.0 cm in diameter, was present. The hyperechoic echo exhibited subtle distal dirty acoustic shadowing.
DATE	
9/15/21	



PATIENT

Poppy Matyas

The visualized duodenum was sonographically unremarkable with intact wall layering and without evidence of concurrent duodenal fluid dilation or stasis. The duodenum wall width measured 0.22 cm. The jejunum to the ileum was sonographically unremarkable and empty without evidence of jejunoileal mechanical obstruction of foreign material. The jejunum wall width measured 0.23 cm.

SPECIES

Feline

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

Pancreas

BREED

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

Spayed Female

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

AGE

10 months

Primary Findings

- Bilateral normal renal size with nonspecific subtle medullary rim sign, no overt pyelonephritis
- Marked gastric distention with retained primarily anechoic fluid and a mild amount of probable retained chyme or mucus - metabolic vs. mechanical ileus
- Possible small nonspecific hyperechoic ingesta / echo in pyloric outflow
- Sonographically unremarkable small bowel

WEIGHT

4 kg

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Although not definitive, the potential small hyperechoic ingesta or echo in the pyloric outflow tract may indicate a small focal amount of hair, fabric, or similar material. This did not overtly appear to be obstructive, yet potential for non-visualized upper intestinal obstruction, given the degree of gastric fluid distention, may be possible and cannot be excluded.

IMAGING

PERFORMED BY

Kelly Reshny, RVT

HOSPITAL NAME

Chippawa AH

Given the azotemia (prerenal vs. renal), evidence of dehydration, hospitalization with 24 hour IV fluid and gastrointestinal support with urinalysis correlation and assessment of renal response, as well as monitoring of the degree of gastric fluid distention, would be appropriate. Depending on renal response to IV fluids, as well as monitoring of the stomach, exploratory laparotomy with gross inspection of the upper gastrointestinal tract would be indicated if persistent gastric fluid distention and/ or persistent nonresponsive vomiting. If surgery is elected, GI biopsies would be considered essential despite exploratory findings, to assess for underlying gastrointestinal disease.

REFERRING VET

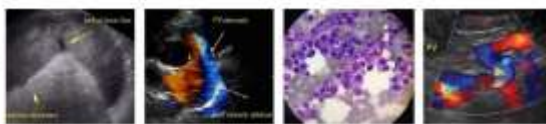
Dr. Dowell

INVOICE

12239

DATE

9/15/21



PATIENT

Poppy Matyas

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

10 months

WEIGHT

4 kg

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP

**IMAGING
PERFORMED BY**

Kelly Reshny, RVT

HOSPITAL NAME

Chippawa AH

REFERRING VET

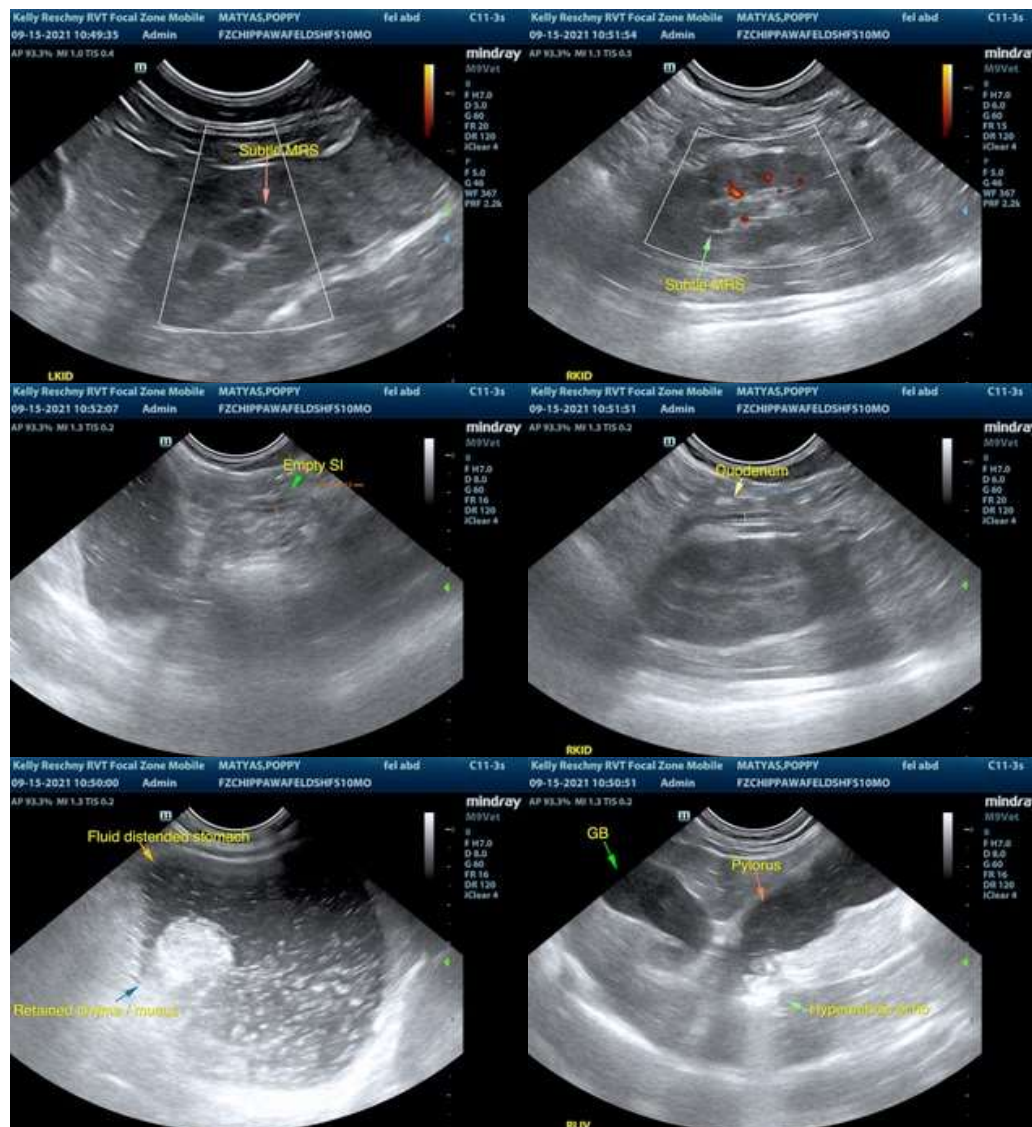
Dr. Dowell

INVOICE

12239

DATE

9/15/21



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.

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



PATIENT

Poppy Matyas

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

10 months

WEIGHT

4 kg

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP

**IMAGING
PERFORMED BY**

Kelly Reshny, RVT

HOSPITAL NAME

Chippawa AH

REFERRING VET

Dr. Dowell

INVOICE

12239

DATE

9/15/21