



**PATIENT PRESENTING CLINICAL SIGNS**

Zoey MacPherson

Vomiting, inappetence. Elevated kidney values, repeat bloodwork 2 days later and showed normal kidney values. Want to rule out kidney disease. Has been on Semintra, Famotidine and Mirtazapine.

**SPECIES**

Abnormal PE/Chem/CBC/UA Results: CBC normal, SDMA high normal, BUN was 22.5 now normal 9.8(5.7-12.9).

Feline

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED**

**Urinary System**

DSH

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with focal dependent mineral to small calculi, an example measuring 0.40 cm in diameter. Concurrent mild non-dependent particulate to hyperechoic sediment was present. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

**SEX**

FS

**AGE**

6yr

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 4.0 cm in length. The right kidney measured 4.6 cm in length.

**WEIGHT**

11.5lb

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 0.35 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 0.38 cm width at the caudal pole.

**INTERPRETED BY**

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

**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.

**IMAGING PERFORMED BY**

Crystal Hill

**HOSPITAL NAME**

Dog and Cat Clinic of  
Niagara

**Liver**

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.

**REFERRING VET**

Dr. Snieder

**Gastrointestinal**

**INVOICE**

12202ag

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate gastric ingesta exhibiting progressive distal acoustic shadowing with no signs of ileus, obstruction or foreign material.

**DATE**

11/21/2022



**PATIENT**

Zoey MacPherson

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine contained segmental non-shadowing ingesta/chyme with no signs of ileus, obstruction or foreign material.

**SPECIES**

Feline

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

**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.

**BREED**

DSH

**Free Abdomen**

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

**SEX**

FS

**ULTRASONOGRAPHIC FINDINGS**

- Mild dependent urinary bladder mineral and non-dependent particulate sediment
- Normal bilateral kidneys
- Sonographically unremarkable GI tract with moderate gastric and mild segmental intestinal ingesta

**AGE**

6yr

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**WEIGHT**

11.5lb

A urine C/S on a sterile urine sample to assess for underlying UTI is recommended. No evidence of pyelonephritis or structural renal pathology was present.

**INTERPRETED BY**

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

The presence of gastrointestinal ingesta is nonspecific and may indicate post-prandial presentation. Correlation with most recent meal ingestion is recommended. If documented NPO prior to the ultrasound, the presence of gastric ingesta may indicate some degree of gastric hypomotility or metabolic stasis. The sonographic presentation of the ingesta was most consistent with food, without evidence of foreign material although the possibility of gastric hairball density if history of hairballs cannot be definitively excluded.

**IMAGING PERFORMED BY**

Crystal Hill

**HOSPITAL NAME**

Dog and Cat Clinic of  
Niagara

**REFERRING VET**

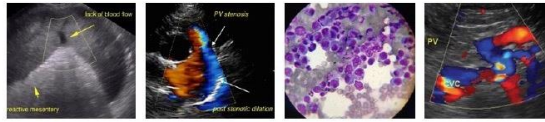
Dr. Snieder

**INVOICE**

12202ag

**DATE**

11/21/2022



**PATIENT**  
Zoey MacPherson

**SPECIES**  
Feline

**BREED**  
DSH

**SEX**  
FS

**AGE**  
6yr

**WEIGHT**  
11.5lb

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

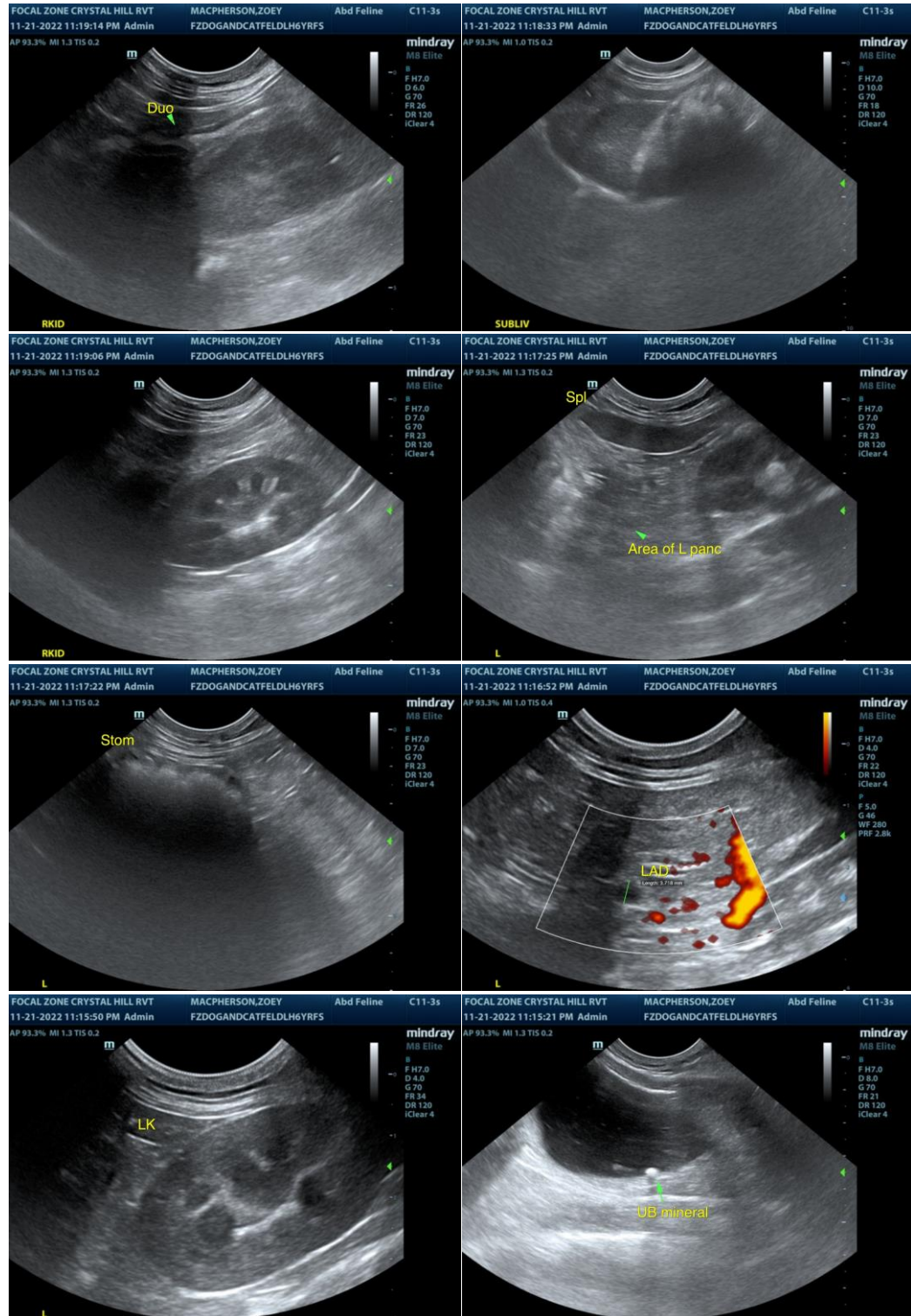
**IMAGING PERFORMED BY**  
Crystal Hill

**HOSPITAL NAME**  
Dog and Cat Clinic of  
Niagara

**REFERRING VET**  
Dr. Snieder

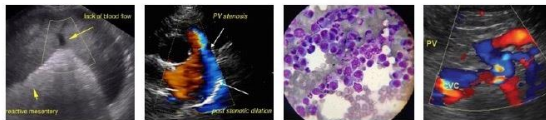
**INVOICE**  
12202ag

**DATE**  
11/21/2022



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



**PATIENT**

Zoey MacPherson

can be of any further assistance please contact me.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

info@SonoPath.com

**SPECIES**

Feline

**BREED**

DSH

**SEX**

FS

**AGE**

6yr

**WEIGHT**

11.5lb

**INTERPRETED BY**

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

**IMAGING  
PERFORMED BY**

Crystal Hill

**HOSPITAL NAME**

Dog and Cat Clinic of  
Niagara

**REFERRING VET**

Dr. Snieder

**INVOICE**

12202ag

**DATE**

11/21/2022