


**PATIENT PRESENTING CLINICAL SIGNS**

Oliver Resendes

vomiting, not eating, history of myasthenia gravis, on pred and seems to be more controlled. meds: cerenia, prednisone Submitted rads revealed moderate gas distention, small bowel wnl with mild gas in the cecum

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: ALT 221 U/L 10 - 125 HIGH ALKP 655 U/L 23 - 212 HIGH GGT 42 U/L 0 - 11 HIGH

**BREED**

Doodle

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**
**Urinary System**

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 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.

**SEX**

MN

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 5.1 cm in length. The right kidney measured 5.1 cm in length.

**AGE**

3yr

**WEIGHT**

10.1kg

The area of the aortic trifurcation was free of pathology.

The residual prostate 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 0.65 cm width at the caudal pole and 2.3 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.72 cm width at the caudal pole and 1.4 cm length.

**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**

Kelly Reschny

**HOSPITAL NAME**

Oxford County VC

**Liver**

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.

**REFERRING VET**

Dr. Bowcott

**INVOICE**

11455ag

The gallbladder was non-distended in size with primarily anechoic luminal content and minor areas of mildly congealed to hyperechoic luminal debris. The cystic and common bile ducts were normal.

**Gastrointestinal**
**DATE**

08/22/2022



**PATIENT**

Oliver Resendes

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate ingesta with progressive acoustic shadowing and luminal gas with no signs of ileus, obstruction or foreign material. The pylorus wall measured 0.32 cm in width.

**SPECIES**

Canine

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 measured 0.37 in width. The jejunum wall measured 0.30 cm in width.

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

**BREED**

Doodle

**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.

**SEX**

MN

**Free Abdomen**

No overt lymphadenopathy or peritoneal effusion was present.

**AGE**

3yr

**ULTRASONOGRAPHIC FINDINGS**

- Benign hepatopathy-metabolic, reactive or vacuolar hepatopathy with contribution from prednisone therapy or other hepatopathy possible. No evidence of neoplastic criteria
- Mild gallbladder debris (non-mucocele)
- Moderate gastric ingesta and gas
- Unremarkable small bowel/pancreas

**WEIGHT**

10.1kg

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**INTERPRETED BY**

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

The presence of gastric ingesta is nonspecific and likely indicates 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.

**IMAGING PERFORMED BY**

Kelly Reschny

Current prednisone therapy may be masking GI mural changes. As needed GI support with monitoring for evidence of gastric emptying with recheck sonogram for further assessment of the GI walls is recommended. Empirically, continued anti-emetics, gastric protectants, a limited antigen or hydrolyzed diet trial with potential long term dietary therapy, and hepatosupportive medications may be considered.

**HOSPITAL NAME**

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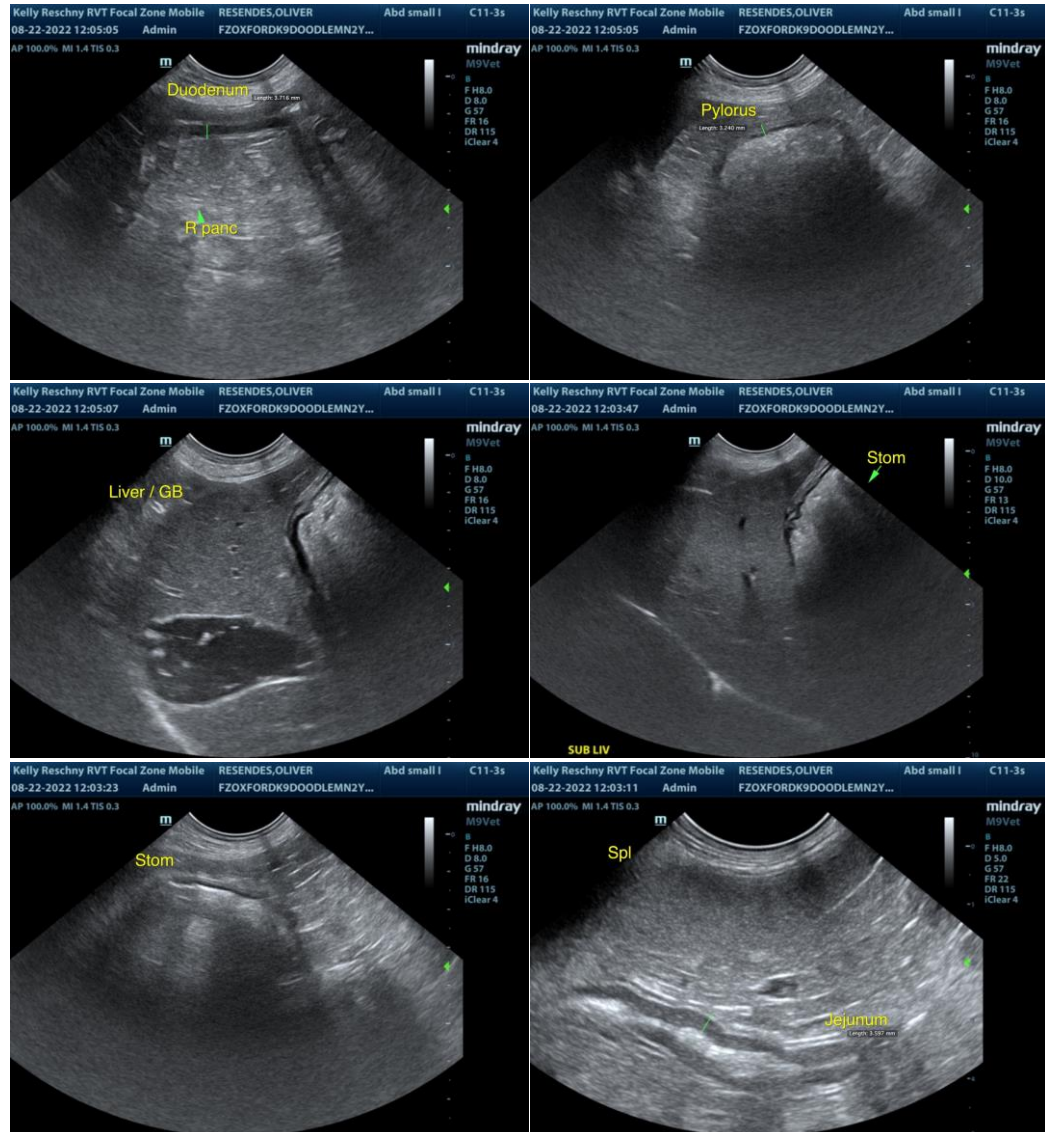
Dr. Bowcott

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**PATIENT**

Oliver Resendes

**SPECIES**

Canine

**BREED**

Doodle

**SEX**

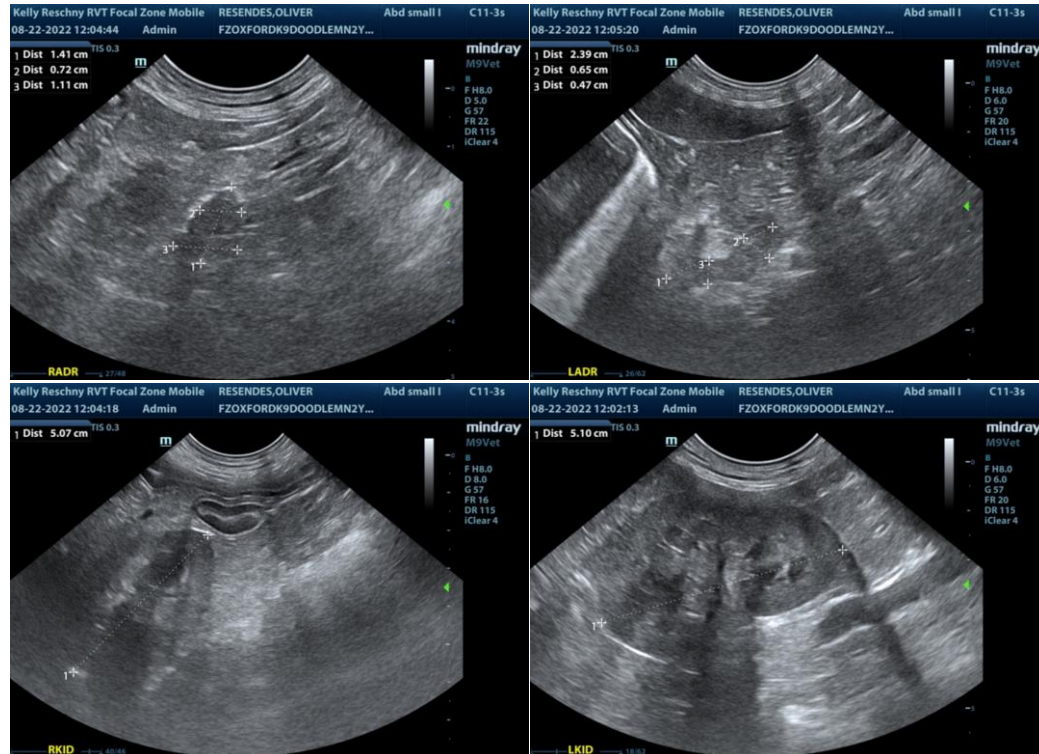
MN

**AGE**

3yr

**WEIGHT**

10.1kg



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)

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