

**PATIENT**

Nixie McIntyre

SPECIES

Canine

BREED

Golden Retriever

SEX

FS

AGE

8yr

WEIGHT

72lb

INTERPRETED BYR. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)**IMAGING
PERFORMED BY**

Amy Mayhew LVT

HOSPITAL NAMESVS Imaging
Michigan**REFERRING VET**Hidden Spring
Veterinary Clinic**INVOICE**

11232ag

DATE

07/29/2022

PRESENTING CLINICAL SIGNS

History: 7-21-22 Exam presented for Restless, gassy, pacing and panting. Excessive panting, confusion, pacing. Very nervous. Not eating very well. No diagnostics performed. 7-25-22 Recheck because not any better. Not eating and vomiting all weekend. Diarrhea as well. Lat/VD rads we will send separately. Did eat small amount prior to scan today.

Abnormal PE/Chem/CBC/UA Results: Ears dirty, eyes ok, mm pink, dehydrated. Seems uncomfortable when abd is palpated. Rectal done and no masses felt. Small amount of blood on glove. Blood work will be sent thru idexx. **Please see attached rads and labs.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**Urinary System**

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.

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 7.0 cm in length. The right kidney measured 8.1 cm in length.

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 0.54 cm width at the caudal pole and 0.47 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.56 cm width at the caudal pole and 0.66 cm width at the cranial 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

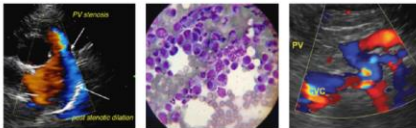
The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

Gastrointestinal

The stomach presented intact yet regional mildly thickened wall layering with a normal wall layer ratio. The caudal gastric body wall measured 0.86 cm in width. The lumen of the stomach contained a mild amount of retained nonshadowing hyperechoic chyme with no signs of ileus, obstruction or foreign material. No obvious evidence of obstructive pyloric mural pathology was present. The pylorus wall measured 0.63 cm in width.

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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 0.50 cm in width. The jejunum wall measured 0.31 cm in width.

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Normal visible colon wall layers were present with apparent formed to semi formed feces in lumen. The descending colon wall measured 0.19 cm in width.

Pancreas**BREED**

Golden Retriever

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.

Free Abdomen**SEX**

FS

No overt lymphadenopathy or peritoneal effusion was present.

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ULTRASONOGRAPHIC FINDINGS

- Regional mildly thickened stomach walls with mild retained gastric fluid chyme and gas-suspect mild hypomotile gastritis
- Sonographically unremarkable small bowel and colon
- Sonographically unremarkable pancreas

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No overt evidence of GI neoplastic criteria or mechanical obstructive pattern was observed. The possibility of a more generalized gastroenterocolic process could be present given the diarrhea and potential mild emerging hematochezia. Dietary intolerance, nonspecific inflammatory gastroenterocolopathy, occult parasitism could all be considered potentials. A resting cortisol level would be warranted to rule out occult Addison's disease. A GI panel to include PLI/TLI/Cobalamin/Folate is recommended. Empirical therapy for suspected hypomotile gastritis or generalized gastroenterocolitis with assessment of clinical response would be reasonable.

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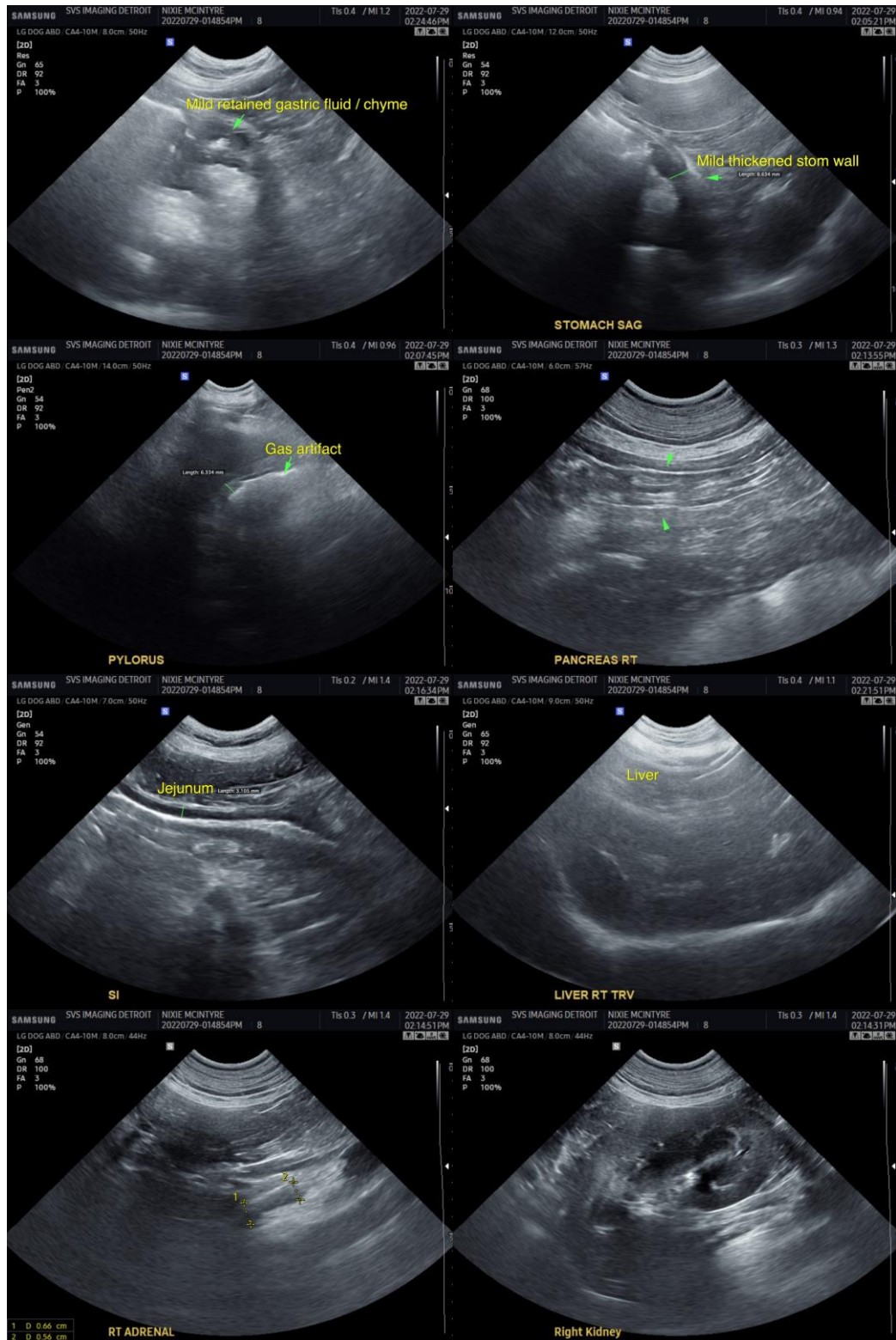
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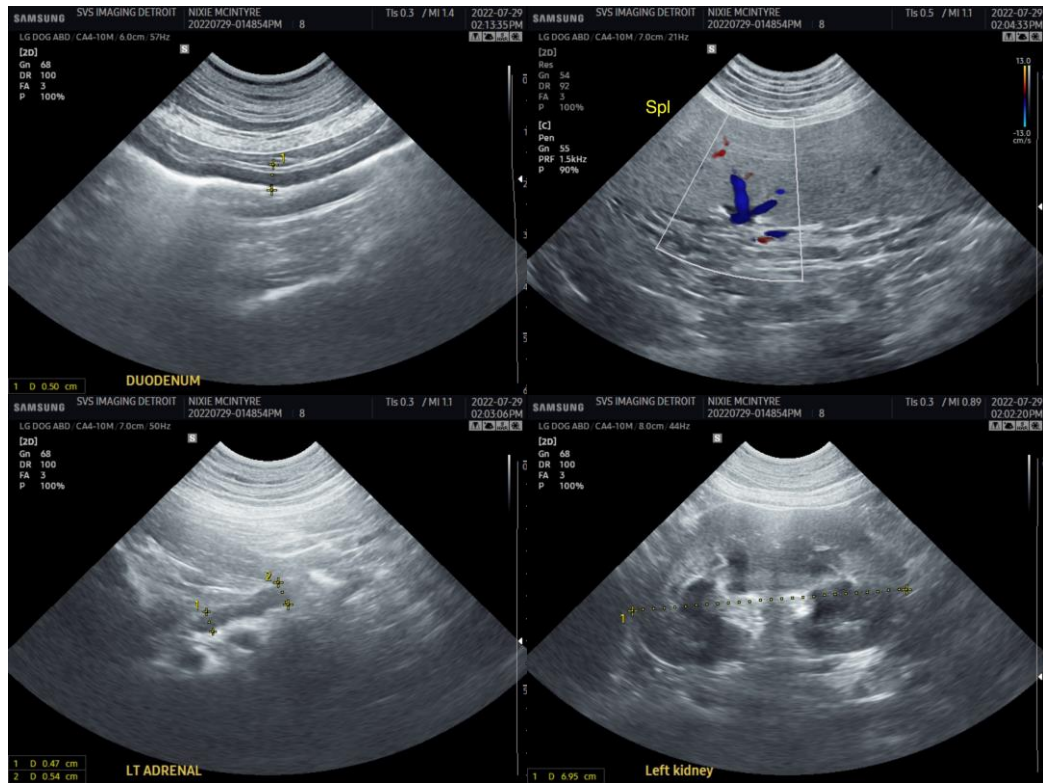
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)

info@SonoPath.com