**PATIENT**Maizie Mitchell  
49681 A**SPECIES**

Canine

**BREED**

Goldendoodle

**SEX**

Spayed female

**AGE**

2 years

**WEIGHT**

15.2 kg

**INTERPRETED BY**Eric Lindquist,  
DMV  
DABVP, Cert.  
IVUSS**IMAGING PERFORMED BY**

Tom McNeill

**HOSPITAL NAME**

SVS Imaging CT

**REFERRING VET**Madison  
Veterinary  
Specialists**INVOICE**

42753

**PRESENTING CLINICAL SIGNS**

History: Maizie presented to the MVS Emergency Service on Nov 29, 2022, at 11:15am, for evaluation of vomiting, diarrhea. On Sunday (11/27) Maizie began having diarrhea and vomiting. Vomited undigested breakfast and then yellow liquid every couple hours for the rest of the day. No interest in food on Sunday, but still drinking. Monday (11/28) diarrhea got worse, appeared really dark with some blood noted. No vomiting on Monday, and Maizie was eating a bland diet normally. Her energy seemed better as well. Now this morning Maizie is lethargic again, not interested in food, and she vomited bloody/clear liquid at 10am. Her diarrhea has also continued. Owners are most concern about the blood in the vomit and stool. Owners do not think she ingested anything inappropriate. Hx of recessed vulva. Vaginal discharge noted on triage, but no abnormal discharge for her recently. Abnormal PE/Chem/CBC/UA Results: ALT 138 HCT 56.1%

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

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 5.4 cm.

**Adrenal Glands**

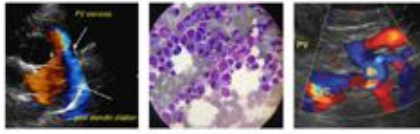
Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 0.85 cm at the cranial pole and 0.46 cm at the caudal pole. The left adrenal gland measured 0.52 cm at the cranial pole and 0.44 cm at the caudal pole.

**Spleen**

The **spleen** presented subtle micronodular changes. The spleen is relatively normal in size. This is likely due to hyperplasia. Given the patient's history FNA is indicated to ensure that there is no early infiltrative disease.

**Liver**

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic

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lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

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**Gastrointestinal**Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. The mesenteric lymph node was reactive and measured 3.7 x 0.5 cm.**BREED**

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**Pancreas**The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.**AGE**

2 years

**Free Abdomen**

The iliac lymph nodes were reactive and measured 2.0 x 0.78 cm.

**WEIGHT**

15.2 kg

**ULTRASONOGRAPHIC FINDINGS**

Reactive iliac and mesenteric lymph nodes with subtle, micronodular changes.

**INTERPRETED BY**Eric Lindquist,  
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DABVP, Cert.  
IVUSS**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

There was no evidence of foreign bodies. Dietary indiscretion, food intolerance, structurally significant inflammatory bowel or occult parasitism and occult Addison's are all potentials. Screening for Addison's is warranted even though the adrenal glands appear normal.

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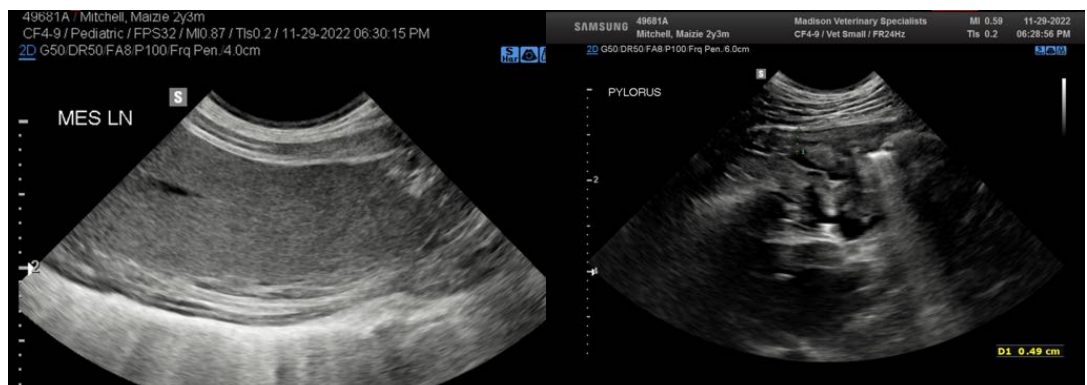
Tom McNeill

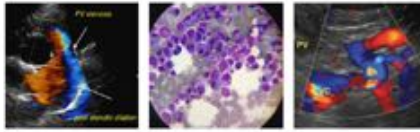
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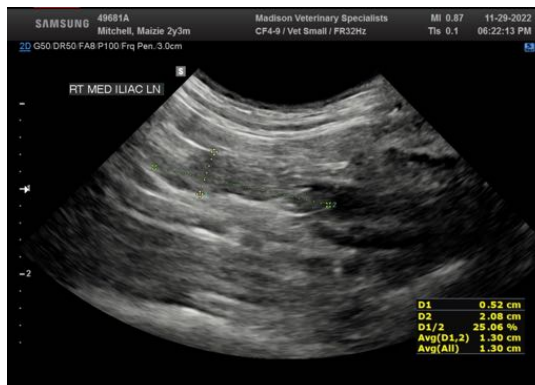
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com**  
info@SonoPath.com