

<b>PATIENT</b>	<b>PRESENTING CLINICAL SIGNS</b>
Cayde Reid	History: Habitual sock eater intermittent diarrhea and vomiting. Diarrhea most recently
<b>SPECIES</b>	Abnormal PE/Chem/CBC/UA Results: Non diagnostic
Canine	<b>ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN</b>
<b>BREED</b>	<i>Urinary System</i>
Sheltie	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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.
<b>SEX</b>	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 5.4 cm in length. The right kidney measured 5.4 cm in length.
MI	
<b>AGE</b>	The area of the aortic trifurcation was free of pathology.
18 months	The prostate was normal in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 2.6 cm in diameter.
<b>WEIGHT</b>	<i>Adrenal Glands</i>
14.5 kg	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.51 cm width at the caudal pole and 0.32 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 0.37 cm width at the caudal pole and 0.44 cm width at the cranial pole.
<b>INTERPRETED BY</b>	<i>Spleen</i>
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	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.
<b>IMAGING PERFORMED BY</b>	<i>Liver</i>
Dr. Belan	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.
<b>HOSPITAL NAME</b>	<b>Gastrointestinal</b>
Properties Animal Clinic	The stomach exhibited potential large to multiple strongly shadowing luminal echoes along with mild retained ingesta/chyme. An example of an echo measured 1-2 cm in diameter. In several views the majority of the gastric lumen was occupied by the strongly shadowing echo/es. presented intact wall
<b>REFERRING VET</b>	
Dr. Morley	
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**PATIENT**

Cayde Reid

layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

**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.

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

**Pancreas**

**BREED**

Sheltie

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**

MI

No overt lymphadenopathy or peritoneal effusion was present.

**AGE**

18 months

Intermittent focal, mildly prominent to enlarged mesenteric node was present. The lymph node was essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). The lymph node measured 1.9 cm x 0.55 cm.

**WEIGHT**

14.5 kg

**ULTRASONOGRAPHIC FINDINGS**

- Strongly shadowing gastric echo/es-suggestive of gastric foreign material given patient history
- Overtly normal small bowel-no evidence of concurrent small bowel obstructive pattern
- Intermittent subjectively benign/reactive mesenteric lymph nodes-mild lymphoid hyperplasia, reactive lymphadenitis or immunologic immaturity possible

**INTERPRETED BY**

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

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Given the time frame between the ultrasound exam and interpretation, sonographic reassessment of the stomach to assess for persistent gastric luminal shadowing echoes is recommended. However, the echo is strongly suggestive of foreign material. Exploratory laparotomy with expectation toward gastrotomy +/- gastrointestinal biopsies to assess for or rule out underlying structurally insignificant GI disease given the potential of pica in this patient is warranted.

Dr. Belan

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**SPECIES**

Canine

**BREED**

Sheltie

**SEX**

MI

**AGE**

18 months

**WEIGHT**

14.5 kg

**INTERPRETED BY**

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DVM, DABVP  
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**IMAGING PERFORMED BY**

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**REFERRING VET**

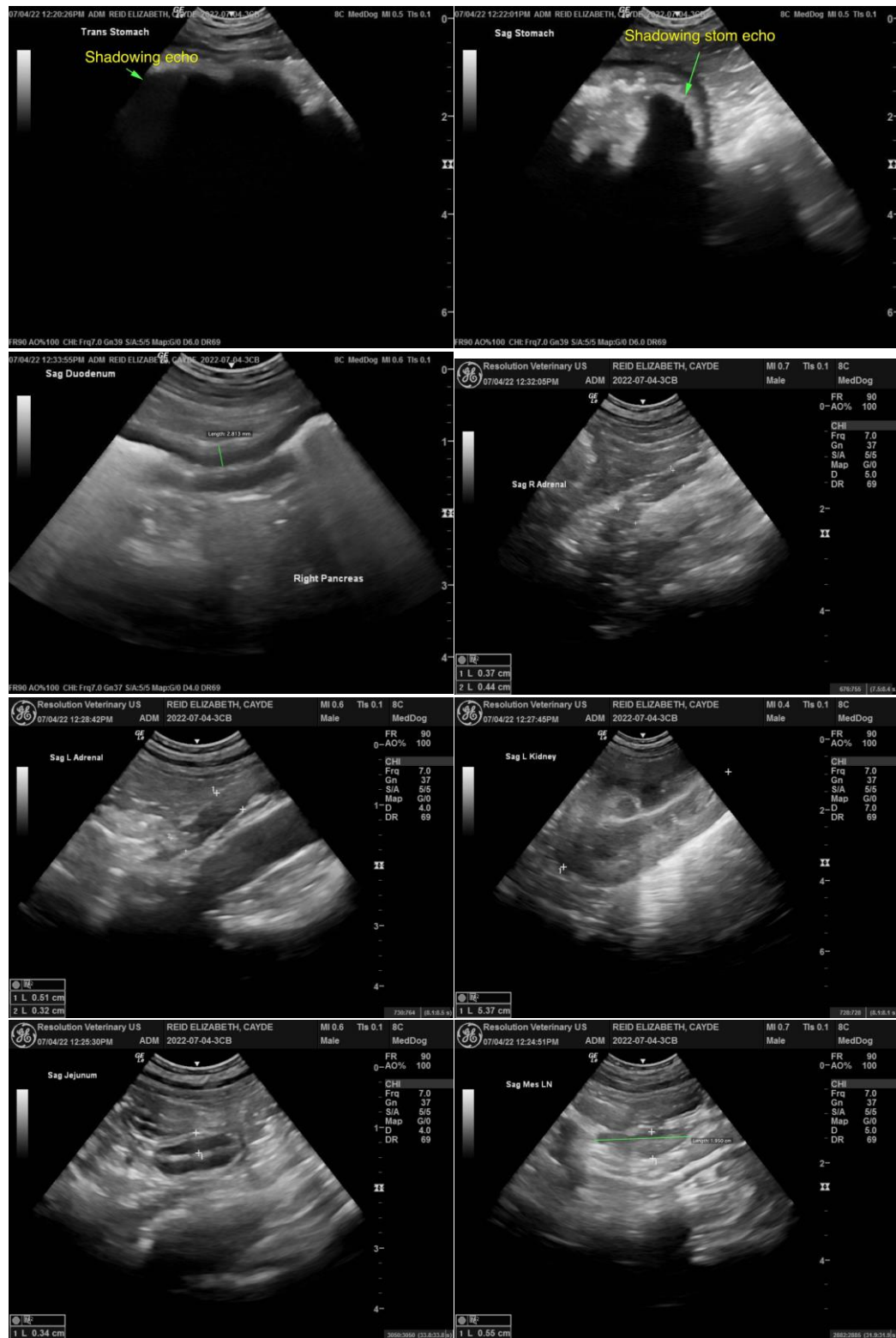
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



**PATIENT**

Cayde Reid

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)

**SPECIES**

Canine

info@SonoPath.com

**BREED**

Sheltie

**SEX**

MI

**AGE**

18 months

**WEIGHT**

14.5 kg

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