



PATIENT	PRESENTING CLINICAL SIGNS
Cooper Vasey	PE unremarkable. Vomiting food after neuter 2 weeks ago. Previous history of chronic GI upset including vomiting, diarrhea). Has been on Omeprazole.
SPECIES	Abnormal PE/Chem/CBC/UA Results: Bloodwork NSF
Canine	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
BREED	<i>Urinary System</i>
Doodle	The urinary bladder, trigone, and cystourethral junction 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 was noted.
SEX	
MN	The area of the aortic trifurcation was free of pathology.
AGE	Normal margination was 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 6.6 cm in length. The right kidney measured 5.3 cm in length. Potential for mild subnormal right kidney size compared to the left, although measurement variability is possible.
1 year	
WEIGHT	<i>Adrenal Glands</i>
20.2 kg	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 1.6 cm length x 0.38 cm width at the caudal pole. The right adrenal gland was indistinctly visualized owing to overlapping gastrointestinal artifact. No overt pathology was noted in the area of the right adrenal gland.
INTERPRETED BY	<i>Spleen</i>
R. McKenzie Daniel, DVM, DABVP	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	<i>Liver/ Gallbladder</i>
Crystal Hill	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.
HOSPITAL NAME	
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Dr. Gunsinger	
INVOICE	<i>Gastrointestinal</i>
15211	The visualized gastric walls were sonographically normal. The lumen of the stomach contained moderate variably echogenic ingesta exhibiting areas of subtle progressive distal acoustic shadowing.
DATE	
10/13/22	



PATIENT	No evidence of mechanical pyloric outflow obstruction was noted. The ventral gastric body wall width measured 0.37 cm.
Cooper Vasey	
SPECIES	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 small intestinal wall width measured 0.40 cm.
Canine	
BREED	<i>Pancreas</i>
Doodle	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 were evident.
SEX	<i>Free Abdomen</i>
MN	Mildly prominent mesenteric lymph nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). An example lymph node measured 0.3 cm in diameter. No free fluid was noted.
AGE	
1 year	
WEIGHT	
20.2 kg	<ul style="list-style-type: none"> • Moderate gastric ingesta • Overtly normal small bowel • Intermittent benign / reactive mesenteric lymph nodes - minor lymphoid hyperplasia, possible mild reactive lymphadenitis, or immunologic immaturity is possible, no evidence of lymphatic neoplastic criteria
INTERPRETED BY	
R. McKenzie Daniel, DVM, DABVP	
IMAGING PERFORMED BY	
Crystal Hill	
HOSPITAL NAME	
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overall, no overt evidence of significant visceral pathology.

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.

At times, the sonographic gastrointestinal presentation may not correlate with history of chronic gastrointestinal signs. Potential considerations in this case may include; dietary intolerance / food allergy, occult parasitism, inflammatory bowel disease, or potential low-grade to chronic pancreatitis, both of which may present as sonographically normal, and less likely occult Addison's Disease. A GI panel to include PLI/TLI/Cobalamin/Folate is recommended +/- a resting cortisol level is suggested.

A hydrolyzed diet trial with potential long-term dietary therapy, prophylactic deworming i.e., (Panacur 50 mg/kg SID for at least 5 consecutive days, high colony count probiotic (Provioble) if recurrent diarrhea, and as needed gastrointestinal support with an assessment of clinical response is suggested.



PATIENT

Cooper Vasey

SPECIES

Canine

BREED

Doodle

SEX

MN

AGE

1 year

WEIGHT

20.2 kg

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP

**IMAGING
PERFORMED BY**

Crystal Hill

HOSPITAL NAME

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REFERRING VET

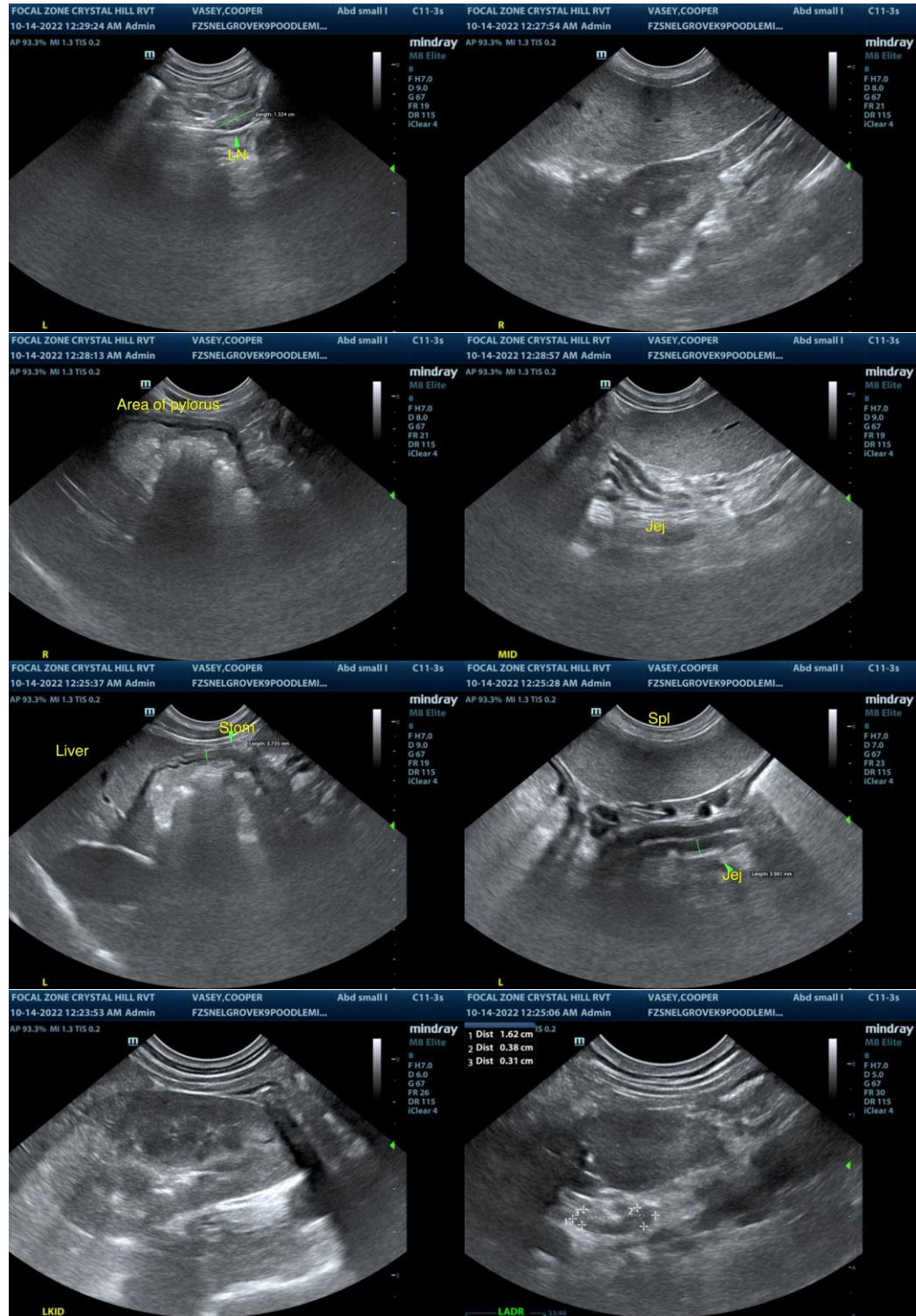
Dr. Gunsinger

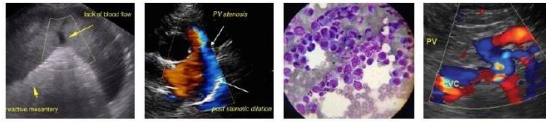
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PATIENT

Cooper Vasey

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.

SPECIES

Canine

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.

BREED

Doodle

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SEX

MN

AGE

1 year

WEIGHT

20.2 kg

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DVM, DABVP

IMAGING PERFORMED BY

Crystal Hill

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