



PATIENT	PRESENTING CLINICAL SIGNS
Atticus Breitenstein	P has history of foreign body ingestions- has had 2 previous surgeries, once last Nov 2021- previous ultrasound done through Sonopath (please compare to). P has history of hepatic nodule noted in prev US as well. P has not been holding down food since Sat, but is holding down water. 2 weeks ago P vomited up children's socks. No appetite currently, No medications other then Cosequin supplement.
SPECIES	
Canine	Abnormal PE/Chem/CBC/UA Results: IH CBC/Chem today showed ALP 337, GLU 115, HCT 35.14. CPL normal
BREED	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Golden Retriever	Urinary System
SEX	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.
MN	
AGE	Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 7.5 cm in length. The right kidney measured 8.1 cm in length.
10yr	
WEIGHT	The area of the aortic trifurcation was free of pathology.
89.4lb	The area of the residual prostate appeared normal and free of pathology.
INTERPRETED BY	Adrenal Glands
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The bilateral adrenal glands were mildly prominent in size based on caudal pole measurement in light of body weight. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 1.3 cm width in the cranial pole and 1.1 cm width in the caudal pole. The right adrenal gland measured 1.1 cm width in the cranial pole and 0.89 cm width in the caudal pole.
IMAGING PERFORMED BY	Spleen
Carly Pate	The spleen exhibited borderline to mild enlargement with a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Areas of discrete parenchyma echogenicity which may indicate minor coalescing benign myelolipomas or medial capsule fibrosis were present. 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.
HOSPITAL NAME	Liver
VCA McKenzie Animal Hospital	The liver presented enlarged in size. Evidence of parenchymal remodeling with discrete parenchymal nodular changes including a well demarcated homogeneous mid parenchymal nodule measuring 4.1 cm in diameter was present. 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. The gallbladder was non-distended in size with primarily anechoic luminal content and mild congealed non-organized hyperechoic debris. The cystic and common bile ducts were normal.
REFERRING VET	Gastrointestinal
Dr. Wayland	
INVOICE	
12209ag	
DATE	
11/21/2022	



PATIENT	
Atticus Breitenstein	The stomach presented intact mild prominent wall layering with a normal wall layer ratio. The lumen of the stomach contained a mild to moderate amount of non-specific hyperechoic strongly shadowing ingesta extending into the area of the pylorus. Within the pylorus a small subjective non-obstructive hyperechoic linear like echo was present measuring 2.3 cm in diameter. The shadowing gastric ingesta measured approximately 2.5 cm – 3.0 cm in diameter.
SPECIES	
Canine	The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. Segmental to generalized duodenojejunal non-shadowing mildly hyperechoic ingesta/chyme was present without evidence of ileus, obstruction or foreign material.
BREED	
Golden Retriever	Normal visible colon wall layers were present with apparent formed feces in lumen.
	Pancreas
SEX	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.
MN	
	Free Abdomen
AGE	No omental masses, overt lymphadenopathy or peritoneal effusion was present.
10yr	
	ULTRASONOGRAPHIC FINDINGS
WEIGHT	<ul style="list-style-type: none"> • Strongly shadowing gastric ingesta with focal hyperechoic linear like pyloric echo • Unremarkable small bowel with generalized duodenojejunal non-shadowing ingesta/chyme-no evidence of small intestinal obstructive pattern or overt foreign material • Hepatopathy exhibiting parenchymal remodeling to discrete intraparenchymal nodules-subjectively benign, suspect chronic vacuolar hepatopathy with nodular/regenerative hyperplasia, hematopoiesis or similar with neoplastic criteria considered unlikely • Mild congealed gallbladder debris (non-mucocele) • Mild age-related renal changes
89.4lb	
INTERPRETED BY	
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	
	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
IMAGING PERFORMED BY	Given the patient's history in conjunction with clinical signs, there is strong concern for probable gastric foreign material and non-obstructive hyperechoic linear like pyloric foreign body. Further assessment may include endoscopy with potential retrieval of foreign material if possible. Hospitalization with 24-hour IVF and GI support with sonographic monitoring of the shadowing gastric ingesta and hyperechoic pyloric echo with gastrotomy if persistent as an alternative approach, If surgery is elected, GI biopsies could be considered essential given history of pica. Hepatic biopsies could also be considered at the time of surgery.
Carly Pate	
HOSPITAL NAME	
VCA McKenzie Animal Hospital	
REFERRING VET	
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PATIENT

Atticus Breitenstein

SPECIES

Canine

BREED

Golden Retriever

SEX

MN

AGE

10yr

WEIGHT

89.4lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Carly Pate

HOSPITAL NAME

VCA McKenzie
Animal Hospital

REFERRING VET

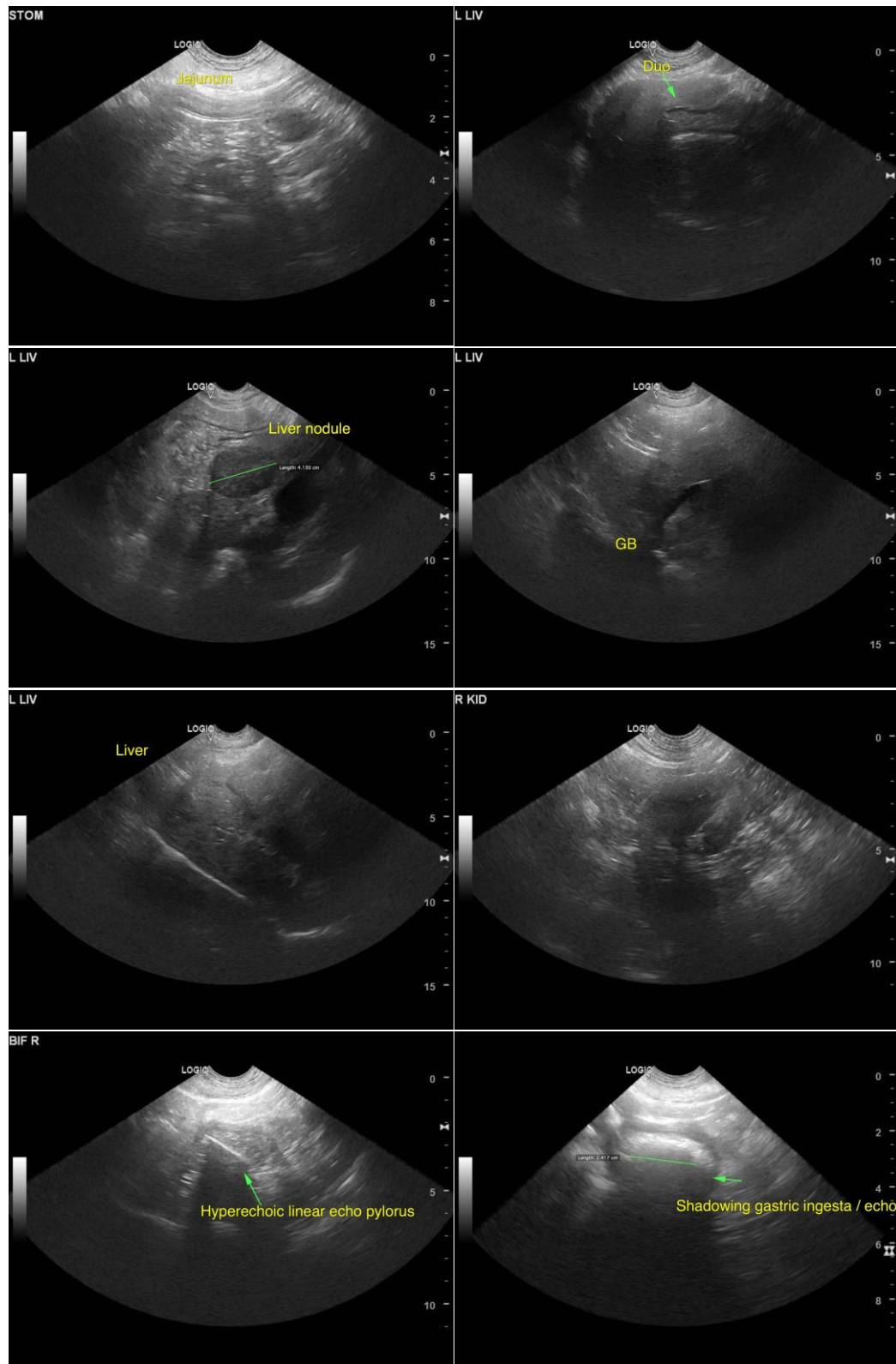
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PATIENT

Atticus Breitenstein

SPECIES

Canine

BREED

Golden Retriever

SEX

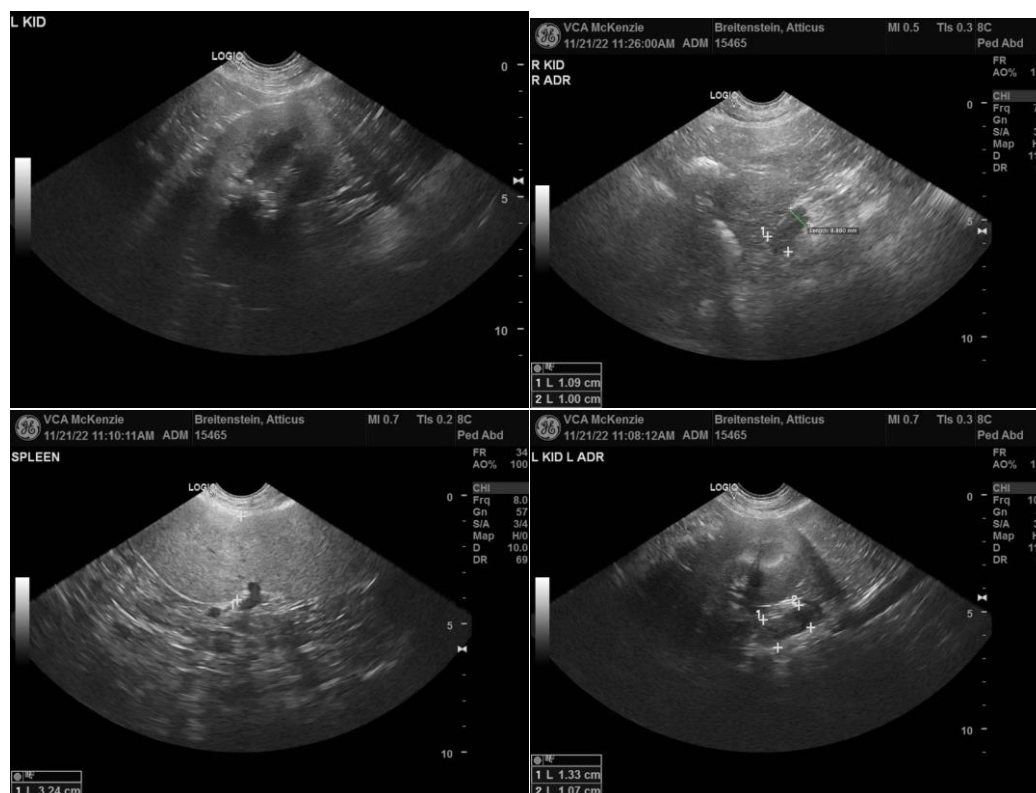
MN

AGE

10yr

WEIGHT

89.4lb



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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R. McKenzie Daniel,
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(Canine and Feline)

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