



PATIENT	PRESENTING CLINICAL SIGNS
Whiskey Scoggin	Has had diarrhea of 2 months, metronidazole, forti-flora, metamucil has not helped. No vomiting and still has a good appetite. ALT >1000, and ALP 1846. Schedule abdominal ultrasound.
SPECIES	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Canine	Urinary System
BREED	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.
Shih Tzu	
SEX	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 5.0 cm in length. The right kidney measured 4.7 cm in length
MI	
AGE	The area of the aortic trifurcation was free of pathology.
14yr	The prostate was mildly enlarged 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 1.8 cm in diameter. No evidence of prostatitis or neoplastic criteria.
WEIGHT	
19	
INTERPRETED BY	Adrenal Glands
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.65 cm width at the caudal pole and 0.41 cm width at the cranial pole. The right adrenal gland was indistinctly visualized without overt pathology. The right adrenal gland measured 0.40 cm width at the caudal pole.
IMAGING PERFORMED BY	Spleen
Nicole Gotfredson	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.
HOSPITAL NAME	Liver
Buffalo Veterinary Clinic	The liver exhibited subjective mild enlargement. Generalized mild non-uniform increased parenchyma echogenicity compared to the spleen was present. No masses or nodules were noted. 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 with mild echogenic non-organized debris. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.
REFERRING VET	
Dr. Bessler	
INVOICE	Gastrointestinal
12457ag	The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild ingesta exhibiting distal acoustic shadowing with no signs of ileus, obstruction or foreign material.
DATE	
12/16/2022	



PATIENT	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.
Whiskey Scoggin	Normal visible colon wall layers were present with apparent semi formed to soft feces in lumen.
SPECIES	<i>Pancreas</i>
Canine	The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum, likely consistent with age related changes and considered incidental. No signs of active inflammation or neoplasia.
BREED	<i>Free Abdomen</i>
Shih Tzu	No omental masses, overt lymphadenopathy or peritoneal effusion was present.
SEX	ULTRASONOGRAPHIC FINDINGS
MI	<ul style="list-style-type: none"> • Benign hepatopathy-vacuolar hepatopathy, chronic inflammatory/immune mediated disease, hyperplasia, hematopoiesis, fibrosis or other possible • Minor gallbladder debris (non-mucocele) • Mild enterocolitis pattern • Heterogeneous pancreas-age related pancreatic changes, potential for remodeling owing to previous inflammation or low grade to chronic pancreatitis • Mild chronic renal changes • Mild benign prostatic hyperplasia
AGE	
14yr	
WEIGHT	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
19	Overall, largely a geriatric abdomen without evidence of significant visceral pathology. Dietary intolerance / food hypersensitivity, occult parasitism, structurally insignificant inflammatory gastroenteropathy or low grade to chronic pancreatitis both of which may appear sonographically normal, or less likely infiltrative neoplasia are all potentials. A GI panel to include PLI/TLI/Cobalamin/Folate is recommended. Fresh fecal analysis to rule out parasitic ova/giardia suggested if not done. Assuming normal clotting status and using a 25g needle, a hepatic FNA for screening cytology could be considered for further assessment.
INTERPRETED BY	Empirically, a limited antigen or hydrolyzed diet trial with potential long term dietary therapy, prophylactic deworming (Panacur 50 mg/kg SID x 5 consecutive days with repeat protocol in 3 weeks even if fecal testing is negative), high colony count probiotic (Provable or Visbiome) +/- cobalamin supplementation and as needed gastrointestinal support with assessment of clinical response may prove beneficial. Hepatosupportive medications such as Denamarin and Ursodiol are recommended.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	
IMAGING PERFORMED BY	
Nicole Gotfredson	
HOSPITAL NAME	
Buffalo Veterinary Clinic	
REFERRING VET	
Dr. Bessler	
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PATIENT

Whiskey Scoggin

SPECIES

Canine

BREED

Shih Tzu

SEX

MI

AGE

14yr

WEIGHT

19

INTERPRETED BY

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(Canine and Feline)

IMAGING PERFORMED BY

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HOSPITAL NAME

Buffalo Veterinary
Clinic

REFERRING VET

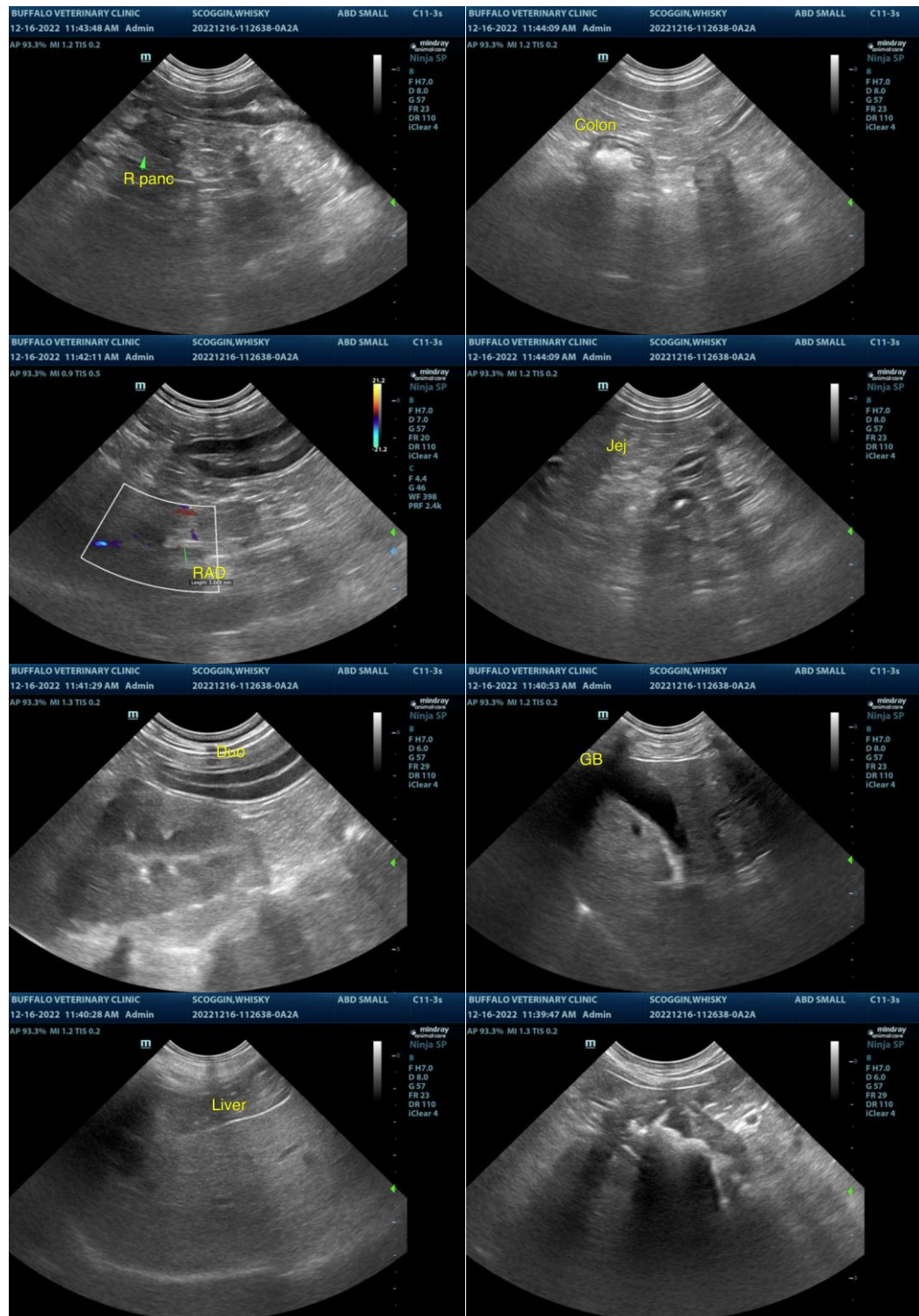
Dr. Bessler

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PATIENT

Whiskey Scoggin

SPECIES

Canine

BREED

Shih Tzu

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AGE

14yr

WEIGHT

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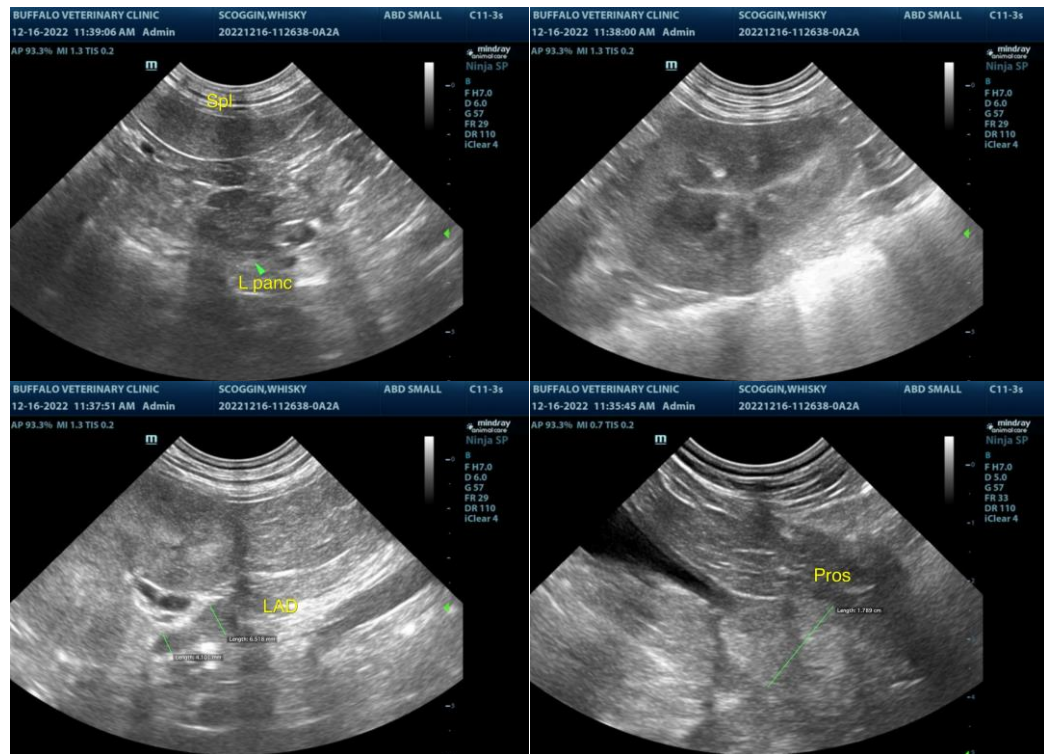
Dr. Bessler

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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.

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