



PATIENT	PRESENTING CLINICAL SIGNS
Amber Furando	-Lethargy, anorexia, weight loss. Current meds: Cerenia and SQ fluids.
SPECIES	Abnormal PE/Chem/CBC/UA Results: Anemia (retics=12600 no blood parasites), TP 15.0, albumin 2.0, glob. 13, BUN 49, amylase 3255/RBC 4.2, HGB 6.5, HCT 20, PLTs 108 (clumped), neuts. 9300. U/A: USG 1.066, pH 6, protein 3+, UPC 8.3, renal tech (+).
Feline	
BREED	
DSH	
SEX	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Spayed Female	Urinary System
AGE	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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 was noted.
13 years	The area of the aortic trifurcation was free of pathology.
WEIGHT	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 3.5 cm in length. The right kidney measured 3.8 cm in length.
7.7 lbs.	
INTERPRETED BY	Adrenal Glands
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 0.41 cm width. The right adrenal gland measured 0.60 cm width.
IMAGING PERFORMED BY	Spleen
Kelly Vazquez	The spleen exhibited generalized enlargement with mild decreased parenchyma echogenicity and moderate coarse echotexture with subtle echogenic nodular changes. The spleen measured 1.2 -1.3 cm width at the level of the hilus.
HOSPITAL NAME	Liver/ Gallbladder
Allendale VH	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.
REFERRING VET	Gastrointestinal
Dr. Raum	The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate, echogenic, nonshadowing ingesta most consistent with post prandial presentation without signs of ileus, obstruction or foreign material. The gastric body wall width measured 0.22 cm.
INVOICE	
12163	
DATE	
9/2/21	



PATIENT	The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine contained mild, segmental ingesta consistent with normal food without signs of ileus, obstruction or foreign material. The small Intestine was otherwise normal. The jejunum wall width measured 0.25 cm.
Amber Furando	
SPECIES	
Feline	Normal visible colon wall layers were present with apparent formed feces in lumen.
BREED	Pancreas
DSH	The pancreas was normal in size and contour with heterogeneous to mildly hypoechoic parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.
SEX	Free Abdomen
Spayed Female	No evidence of omental masses, lymphadenopathy, or peritoneal effusion was present.
AGE	ULTRASONOGRAPHIC FINDINGS
13 years	Primary Findings
WEIGHT	<ul style="list-style-type: none"> Splenomegaly with coarse echotexture and subtle echogenic nodular changes Mild heterogenous to hypoechoic pancreas - nonspecific, age-related pancreatic changes vs. potential low-grade Inflammation possible Gastrointestinal ingesta
7.7 lbs.	
INTERPRETED BY	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	Primary concern for infiltrative splenic neoplasia such as lymphoma, multiple myeloma, mast cell neoplasia, or other, warranted. Potential for benign splenic enlargement such as hyperplasia, hematopoiesis, or incidental splenitis is possible.
IMAGING PERFORMED BY	The presence of gastrointestinal Ingesta likely indicates post prandial presentation. The potential for some degree of gastrointestinal hypomotility is possible if documented NPO.
Kelly Vazquez	Assuming normal clotting status, ultrasound-guided FNA of spleen using a 25-gauge needle following pretreatment with Benadryl is recommended for screening cytology. Further assessment of the hyperglobulinemia with protein electrophoresis +/- urine electrophoresis, given the proteinuria, may be considered. Three view chest radiographs are suggested.
HOSPITAL NAME	
Allendale VH	
REFERRING VET	
Dr. Raum	
INVOICE	
12163	
DATE	
9/2/21	





PATIENT

Amber Furando

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

13 years

WEIGHT

7.7 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Kelly Vazquez

HOSPITAL NAME

Allendale VH

REFERRING VET

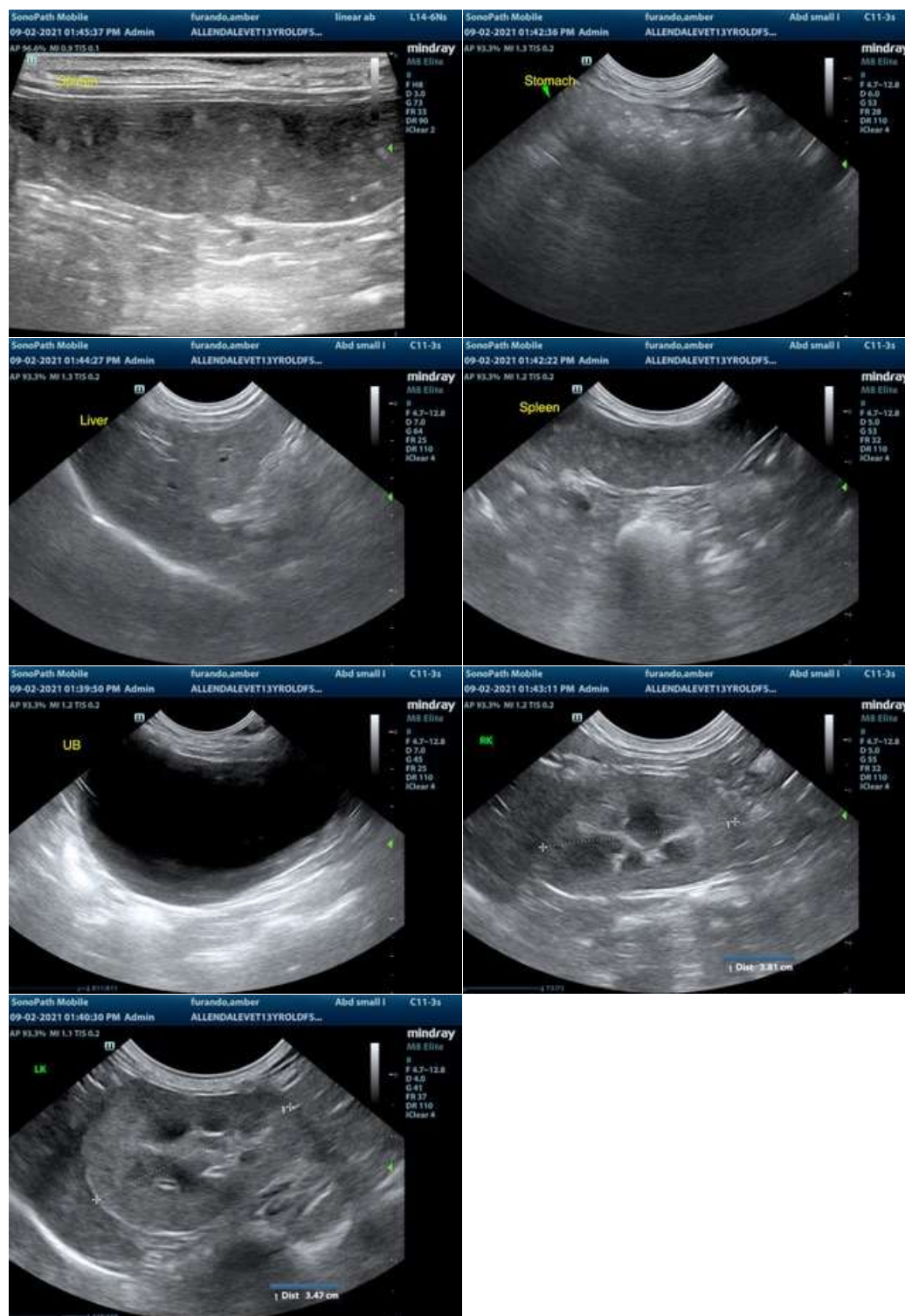
Dr. Raum

INVOICE

12163

DATE

9/2/21



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



PATIENT

Amber Furando

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.

SPECIES

Feline

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com

BREED

DSH

SEX

Spayed Female

AGE

13 years

WEIGHT

7.7 lbs.

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Kelly Vazquez

HOSPITAL NAME

Allendale VH

REFERRING VET

Dr. Raum

INVOICE

12163

DATE

9/2/21