



PATIENT

Bailey Keefer

SPECIES

Canine

BREED

Boxer

SEX

FS

AGE

9.5yr

WEIGHT

63lb

PRESENTING CLINICAL SIGNS

Bailey is a nine year old, FS, Boxer who was presented on 1/19/23 with a 4 day history of diarrhea progressing to hemorrhagic diarrhea. There were also several episodes of vomiting. Bailey's owner noted weight loss and extreme hunger. She describes Bailey to get into the trash, eat fish food, etc. According to previous records at a vaccine clinic, Bailey had lost 17 pounds in the previous 7 months. Bailey's BCS was very thin 2/5. Provable, metronidazole and Hills I/D diet were prescribed. Intestinal parasite screen on 1/20/23 showed toxocara, anthelban was prescribed. CBC/Chemistry/T4/4DX on 1/19/23 showed increased lipase(583) and increased cPL(420), but was normal otherwise. Cerenia was prescribed. Abdominal ultrasound was advised due to extreme weight loss.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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.

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 minor loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 6.8 cm in length. The right kidney measured 6.0 cm in length.

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.85 cm width at the caudal pole. The right adrenal gland was not definitively visualized owing to patient size and confirmation.

Spleen

The spleen exhibited mild generalized enlargement and a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. A solitary mildly expansive non-homogenous to mixed echogenic mass present in the mid to cranial spleen measuring ~ 5-6 cm in diameter. No evidence of parenchymal escape or mass rupture. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis.

Liver/Gallbladder

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.

Gastrointestinal

The stomach presented intact mildly prominent wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate progressive to strongly shadowing ingesta with the possibility of a strongly shadowing luminal echo measuring ~ 2.5 cm in diameter.

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Todd

HOSPITAL NAME

Lambs Gap Animal
Hospital

REFERRING VET

Dr. Todd

INVOICE

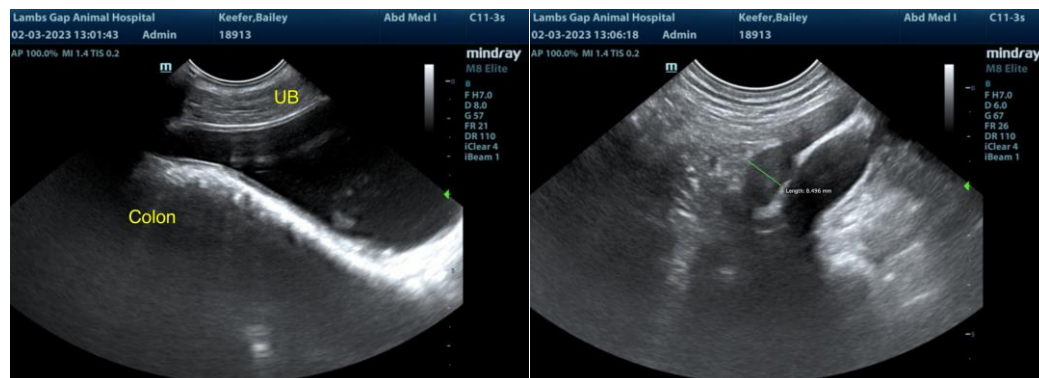
12867ag

DATE

02/03/2023



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.
Bailey Keefer	Normal visible colon wall layers were present with apparent formed feces in lumen.
SPECIES	Pancreas
Canine	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.
BREED	Free Abdomen
Boxer	No omental masses, overt lymphadenopathy or perisplenic/peritoneal effusion was present.
SEX	ULTRASONOGRAPHIC FINDINGS
FS	<ul style="list-style-type: none"> Mildly expansive mixed echogenic splenic mass-hyperplasia, hematopoiesis, focal splenitis, small hematoma, granuloma, atypical myelolipoma or potential for emerging neoplastic criteria possible
AGE	<ul style="list-style-type: none"> Moderate shadowing gastric ingesta, potential for strongly shadowing non-specific gastric luminal echo
9.5yr	<ul style="list-style-type: none"> Overtly normal small bowel/colon/pancreas
WEIGHT	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
63lb	Assuming normal clotting status and using a 25g needle, a splenic mass FNA for screening cytology is warranted for further assessment. Overtly intact GI wall layering without obvious GI mural pathology is present. Dietary indiscretion / food hypersensitivity, hemorrhagic diarrhea syndrome, occult parasitism, dysbiosis, structurally insignificant inflammatory gastroenteropathy, low grade to chronic pancreatitis which may present sonographically normal, early infiltrative neoplasia or occult Addison's disease are all potentials. There is some concern for potential gastric foreign material although not definitive.
INTERPRETED BY	Documented NPO and radiographic/sonographic monitoring for evidence of gastric emptying is recommended. A GI panel to include PLI/TLI/Cobalamin/Folate as well as three view chest radiographs and neurological / musculoskeletal examination are recommended to assess for or rule out occult disease which may cause weight loss.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	Prophylactic splenectomy with GI biopsies may be considered.
IMAGING PERFORMED BY	
Dr. Todd	
HOSPITAL NAME	
Lambs Gap Animal Hospital	
REFERRING VET	
Dr. Todd	
INVOICE	
12867ag	
DATE	
02/03/2023	





PATIENT

Bailey Keefer

SPECIES

Canine

BREED

Boxer

SEX

FS

AGE

9.5yr

WEIGHT

63lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Todd

HOSPITAL NAME

Lambs Gap Animal Hospital

REFERRING VET

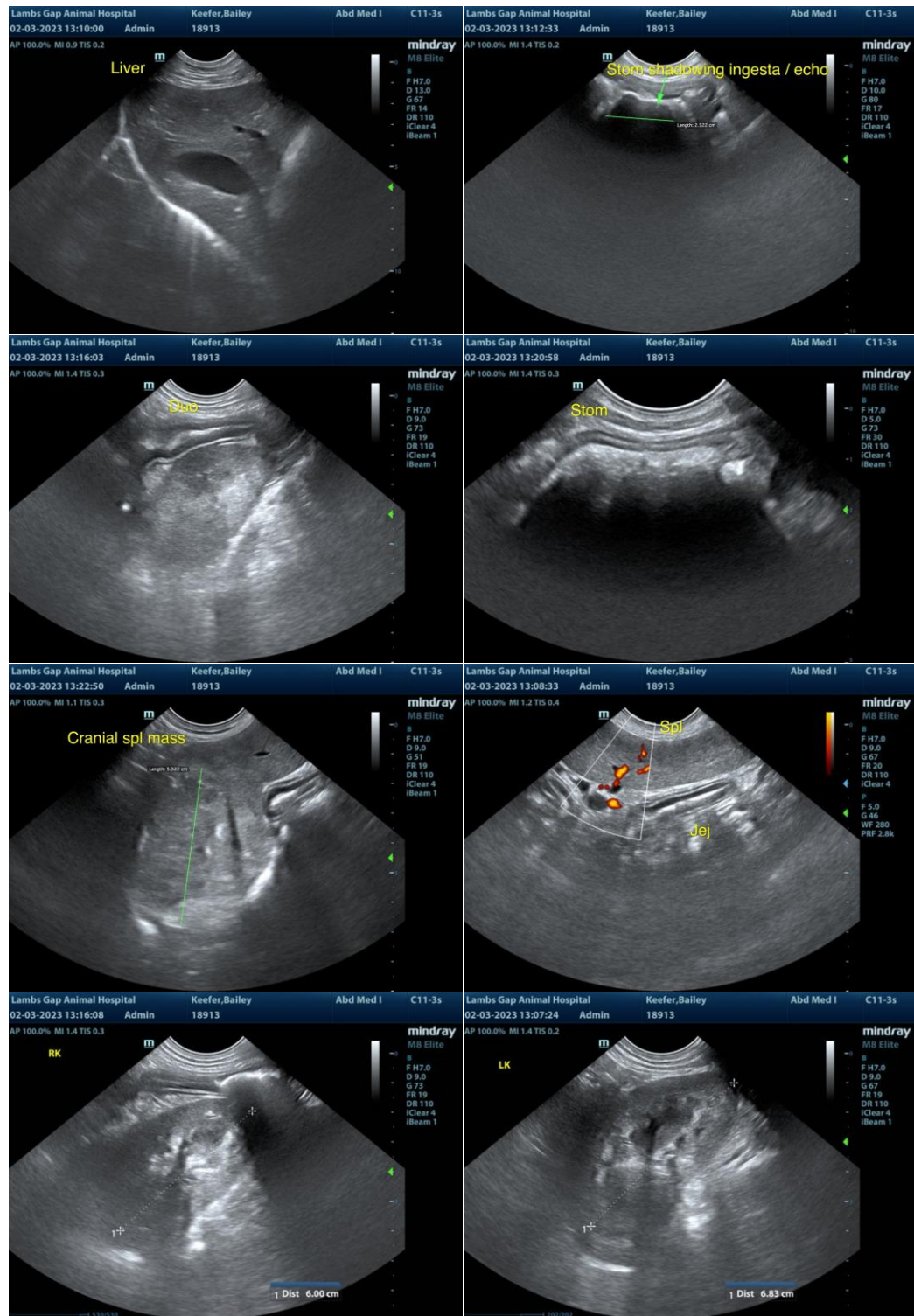
Dr. Todd

INVOICE

12867ag

DATE

02/03/2023



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



PATIENT

can be of any further assistance, please contact me.

Bailey Keefer

SPECIES

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)

mac.daniel@sonopath.com

Canine

BREED

Boxer

SEX

FS

AGE

9.5yr

WEIGHT

63lb

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Todd

HOSPITAL NAME

Lambs Gap Animal
Hospital

REFERRING VET

Dr. Todd

INVOICE

12867ag

DATE

02/03/2023