



PATIENT	PRESENTING CLINICAL SIGNS
Daisy Mae Pennoyer	Chronic hx of recurrent UTI (currently being treated). Chronic hx of lumbosacral disease with hindend paralysis (in wheelchair). Has presented with hyporexia, vomiting, diarrhea, and abdominal discomfort. Has had bouts of these symptoms before with resolution after GI support. Previous splenectomy - benign growth.
SPECIES	
Canine	Abnormal PE/Chem/CBC/UA Results: Urine culture - Enterococcus sp. Labs otherwise NSF.
BREED	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
French Bulldog	Urinary System
SEX	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 cm exhibited normal thickness and tone. Mild asymmetrical luminal surface to micropolyploid changes were present likely associated with age related mural changes. 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.
FS	
AGE	Normal size and margination was 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 4.14 cm in length. The right kidney measured 4.09 cm in length.
13yr	
WEIGHT	The area of the aortic trifurcation was free of pathology.
9.77kg	Adrenal Glands
INTERPRETED BY	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.57 cm width at the caudal pole and 0.60 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.54 cm width.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	Spleen
IMAGING PERFORMED BY	The spleen was not present due to previous splenectomy. No evidence of pathology in the area of the previous spleen.
Dr. Barthelemy	Liver
HOSPITAL NAME	The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion.
Crowchild Trail Veterinary Clinic	The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with moderate non-dependent non-organized debris. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.
REFERRING VET	Gastrointestinal
Dr. Bartier	The stomach presented intact yet mildly prominent wall layering with a normal wall layer ratio. The lumen of the stomach contained mild to moderate variably echogenic to progressively shadowing ingesta with no signs of ileus, obstruction or foreign material.
INVOICE	The ventral gastric body wall measured 0.47 cm in width.
11775ag	
DATE	
10/03/2022	



PATIENT	The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio with segmental mildly prominent muscularis and submucosa layer. Minor non-obstructive jejunal ileus was present. The lumen of the small intestine was empty with no signs of obstruction or foreign material.
Daisy Mae Pennoyer	
SPECIES	The jejunum wall measured 0.40 cm in width. The duodenum wall measured 0.42 cm in width.
Canine	Normal visible colon wall layers were present with apparent formed feces in lumen.
BREED	Pancreas
French Bulldog	The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.
SEX	Free Abdomen
FS	No omental masses, overt lymphadenopathy or peritoneal effusion was present.
AGE	Focal, mildly prominent to enlarged mesenteric node was present. The lymph node was essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). The lymph node measured 0.82 cm width.
13yr	
WEIGHT	ULTRASONOGRAPHIC FINDINGS
9.77kg	<ul style="list-style-type: none"> • Sonographically unremarkable urinary bladder with minor luminal micropolyploid changes • Inflammatory gastroenteropathy pattern with gastric ingesta and minor jejunal ileus-potential IBD • Mild heterogeneous pancreas-patient/age related variant or remodeling owing to previous inflammation, potential for low grade to chronic pancreatitis • Mild hepatic parenchyma remodeling-benign • Moderate gallbladder debris-possible early emerging mucocele • Bilateral age-related kidney changes
INTERPRETED BY	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The pancreas was non-specific and may indicate patient/ age variant, remodeling owing to previous inflammatory episode or mild to chronic pancreatitis possible. This potential may be considered if evidence of cranial abdominal or subxiphoid discomfort on palpation. Correlation with a spec cPL or a GI panel to include PLI/TLI/Cobalamin/Folate is recommended.
IMAGING PERFORMED BY	
Dr. Barthelemy	
HOSPITAL NAME	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), antibiotic trial and as needed gastrointestinal support with assessment of clinical response may prove beneficial.
Crowchild Trail Veterinary Clinic	
REFERRING VET	
Dr. Bartier	
INVOICE	
11775ag	
DATE	
10/03/2022	



PATIENT

Daisy Mae Pennoyer

SPECIES

Canine

BREED

French Bulldog

SEX

FS

AGE

13yr

WEIGHT

9.77kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Barthelemy

HOSPITAL NAME

Crowchild Trail
Veterinary Clinic

REFERRING VET

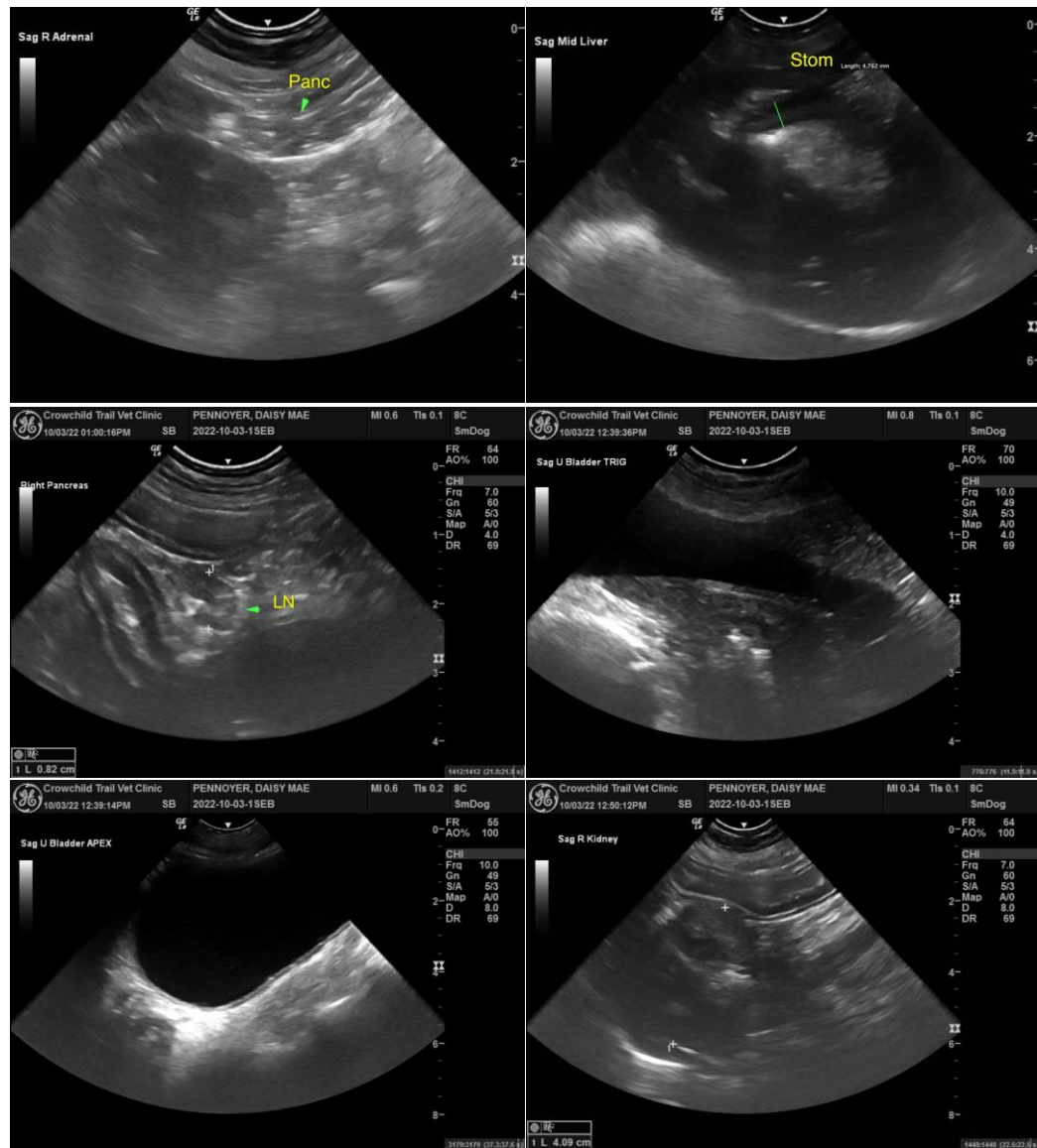
Dr. Bartier

INVOICE

11775ag

DATE

10/03/2022





PATIENT

Daisy Mae Pennoyer

SPECIES

Canine

BREED

French Bulldog

SEX

FS

AGE

13yr

WEIGHT

9.77kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Barthelemy

HOSPITAL NAME

Crowchild Trail
Veterinary Clinic

REFERRING VET

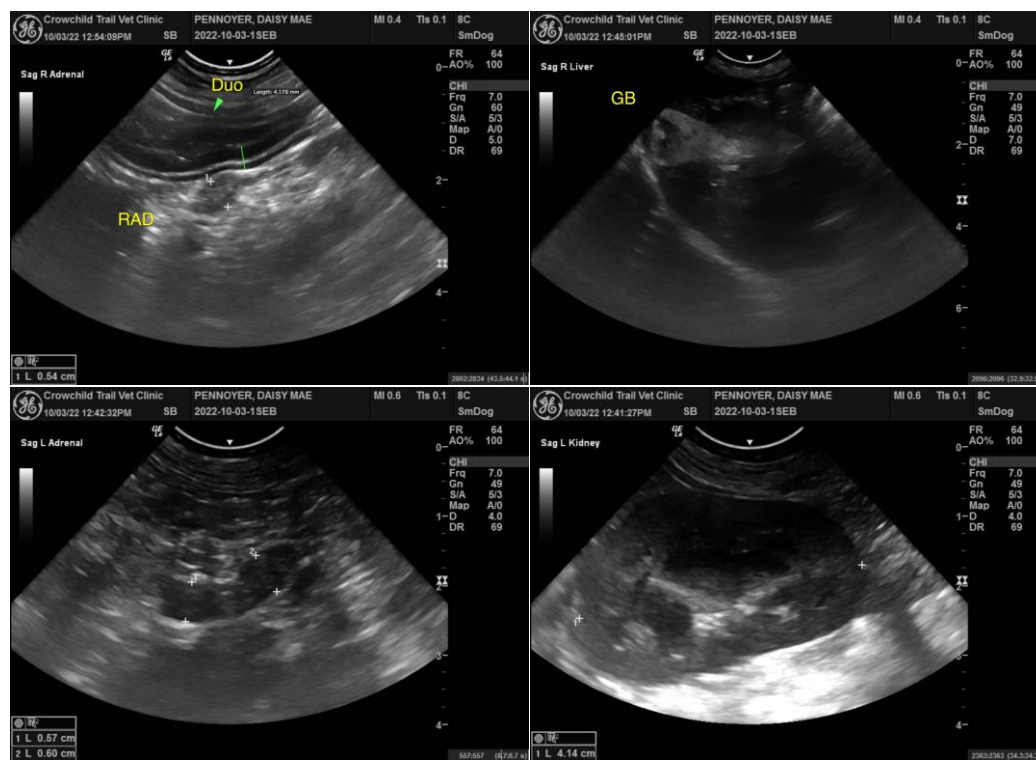
Dr. Bartier

INVOICE

11775ag

DATE

10/03/2022



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)

info@SonoPath.com