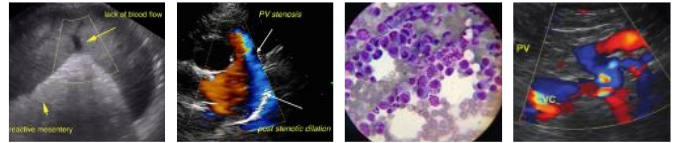




PATIENT	PRESENTING CLINICAL SIGNS
Margaux Robson	Elevated liver enzymes and intermittent vomiting but not lethargic Abnormal PE/Chem/CBC/UA Results: Mild elevation of liver enzymes
SPECIES	
Canine	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
BREED	Urinary System
French Bulldog	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Anechoic urine was present in the lumen with no sediment or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.
SEX	
Female Spay	The area of the aortic trifurcation was free of pathology.
AGE	
2	Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. No evidence of renal mineralization. The left kidney measured 4.6 cm in length. The right kidney measured 4.3 cm in length.
WEIGHT	
12.5 kg	Adrenal Glands
INTERPRETED BY	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.50 cm width at the caudal pole and 0.50 cm width at the cranial pole.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.56 cm width at the caudal pole and 0.62 cm width at the cranial pole.
IMAGING PERFORMED BY	Spleen
Dr. Belan	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/ Gallbladder
Creature Comfort Vet Clinic	The liver was normal in size and contour. Potential for mild generalized hepatic parenchyma echogenicity with mild subjective increased prominence of the portal vascular borders. No masses or nodules noted. Normal hepatic vascular volume present. No evidence of a portosystemic vascular anomaly.
REFERRING VET	
Dr. Decker	The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.
INVOICE	
15122	Gastrointestinal
DATE	
5/11/22	The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction, or foreign material. The stomach wall measured 0.30 cm.



PATIENT

Margaux Robson

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. The duodenum wall measured 0.40 cm.

SPECIES

Canine

Normal visible colon wall layers were present with apparent formed feces in lumen.

BREED

French Bulldog

Pancreas

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 were evident.

SEX

Female Spay

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

AGE

2

ULTRASONOGRAPHIC FINDINGS

- Low-grade hepatopathy- subjectively benign
- Sonographically unremarkable gastrointestinal tract

WEIGHT

12.5 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

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

Overall, the liver was nonspecific with potential for low-grade acute hepatopathy if no documented previous hepatic enzyme elevations. Considerations may include inflammatory hepatopathy, if primary elevated ALP with potential for metabolic, reactive or vacuolar hepatopathy. No overt evidence of a portosystemic shunt.

IMAGING PERFORMED BY

Dr. Belan

Further assessment may include ultrasound guided hepatic FNA, assuming normal clotting status and primarily to assess for evidence of inflammatory cells +/- leptospirosis titers/PCR, if clinically indicated. Hepatosupportive medications, including Denamarin and Ursodiol, could be considered if persistent/progressive hepatic enzyme elevations are noted.

HOSPITAL NAME

Creature Comfort
Vet Clinic

No evidence of gastrointestinal pathology or mechanical/metabolic ileus. As needed gastrointestinal supportive care is suggested.

REFERRING VET

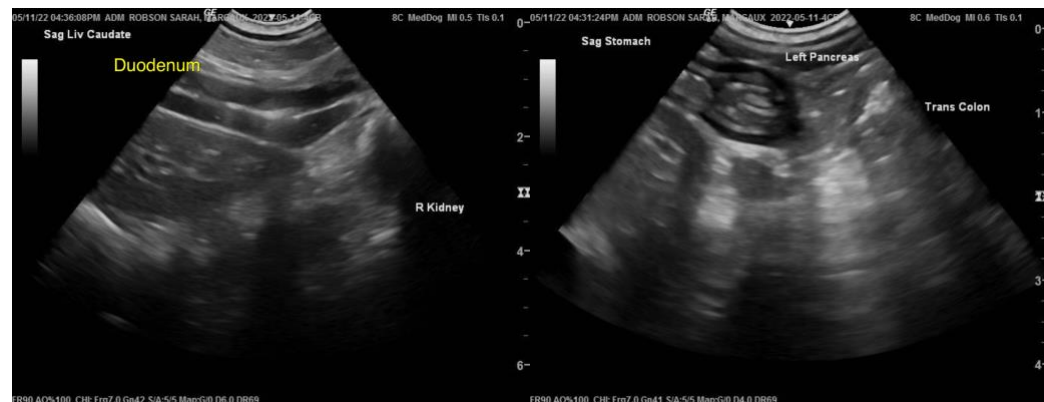
Dr. Decker

INVOICE

15122

DATE

5/11/22





PATIENT

Margaux Robson

SPECIES

Canine

BREED

French Bulldog

SEX

Female Spay

AGE

2

WEIGHT

12.5 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Creature Comfort
Vet Clinic

REFERRING VET

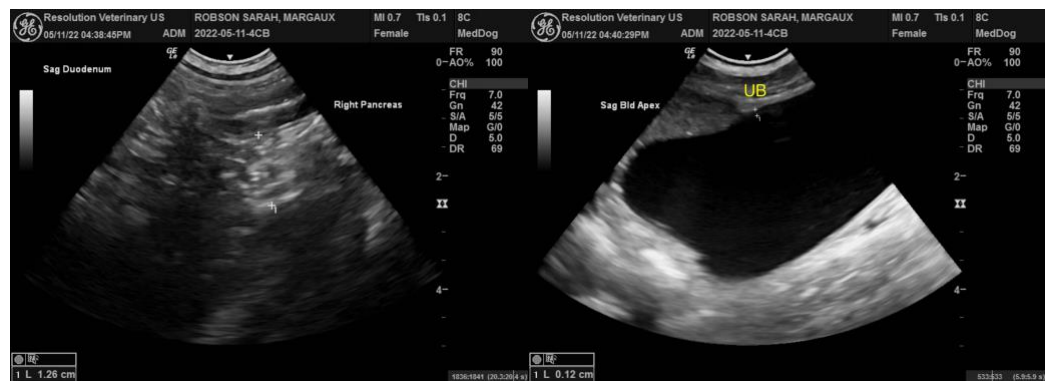
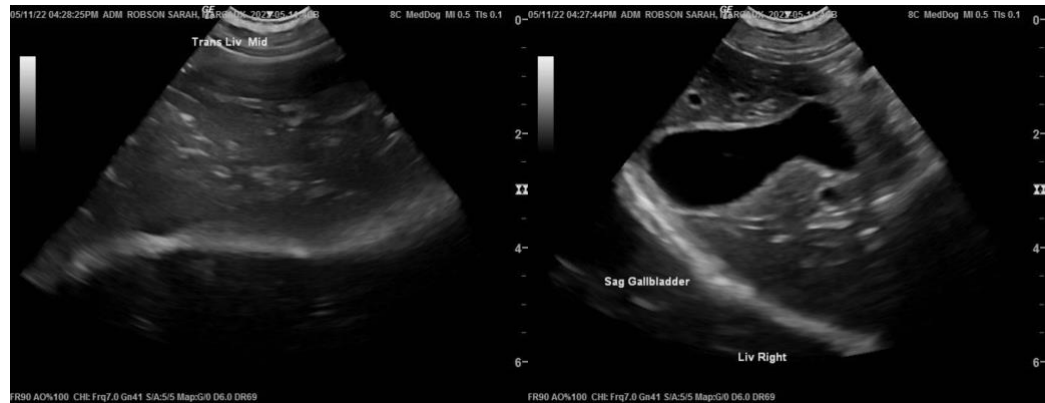
Dr. Decker

INVOICE

15122

DATE

5/11/22





PATIENT

Margaux Robson

SPECIES

Canine

BREED

French Bulldog

SEX

Female Spay

AGE

2

WEIGHT

12.5 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Creature Comfort
Vet Clinic

REFERRING VET

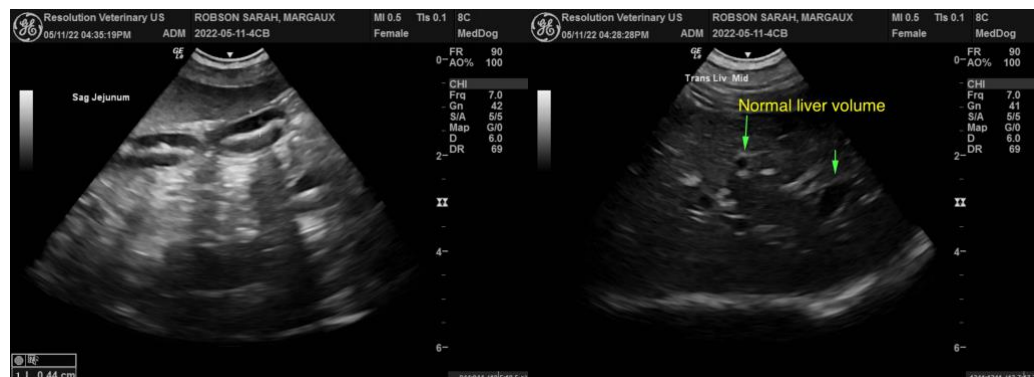
Dr. Decker

INVOICE

15122

DATE

5/11/22



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