



PATIENT

Abby Brown

SPECIES

Canine

BREED

Shiba Inu

SEX

FS

AGE

11 years

WEIGHT

22.7

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Mavis
McCormick-Rantze

HOSPITAL NAME

Lanier AH

REFERRING VET

Dr. Mavis
McCormick-Rantze

INVOICE

14784

DATE

8/2/23

PRESENTING CLINICAL SIGNS

Abby overall is clinically normal at home. Most recent bloodwork shows a continued increase in liver enzymes from last year. Doing an ultrasound to scan for potential issues.

Abnormal PE/Chem/CBC/UA Results: BW 7/5/23 cbc: wnl/nsf chem: ALT 188, ALP 514 UA: UPC 0.1 USG 1.041 protein 2+ 3+ ammonium mg phosphate crystals T4 2.2 BW 6/6/22 cbc: wnl/nsf chem: ALT 150 alk phos 218 T4 normal

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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. No evidence of mineral or calculi was noted. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

No evidence of pathology in the area of the aortic trifurcation.

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. Minor areas of medullary mineral were noted. The left kidney measured 4.4 cm in length. The right kidney measured 4.5 cm in length.

Adrenal Glands

The left or right adrenal glands were overtly normal in size, position, and shape without evidence of adrenomegaly or tumors. The left adrenal gland measured 0.56 cm width at the caudal pole and 0.45 cm width at the cranial pole. The right adrenal gland measured 0.56 cm width at the caudal pole.

Spleen

The spleen exhibited subjective mild to variably enlargement primarily owing to mildly expansive, nonhomogeneous, macronodules to small mass-like lesions measuring 1.6-1.8 cm in diameter. The macronodules to small mass-like lesions mildly distorted the splenic capsule without evidence of parenchymal escape.

Liver/ Gallbladder

The liver exhibited subjective mild enlargement. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was indistinctly visualized without overt evidence of gallbladder distention and subjective anechoic content. The common bile duct was not definitively visualized without overt post hepatic obstruction.



PATIENT

Abby Brown

SPECIES

Canine

BREED

Shiba Inu

SEX

FS

AGE

11 years

WEIGHT

22.7

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Mavis
McCormick-Rantze

HOSPITAL NAME

Lanier AH

REFERRING VET

Dr. Mavis
McCormick-Rantze

INVOICE

14784

DATE

8/2/23

Gastrointestinal

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 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.

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

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.

Free Abdomen

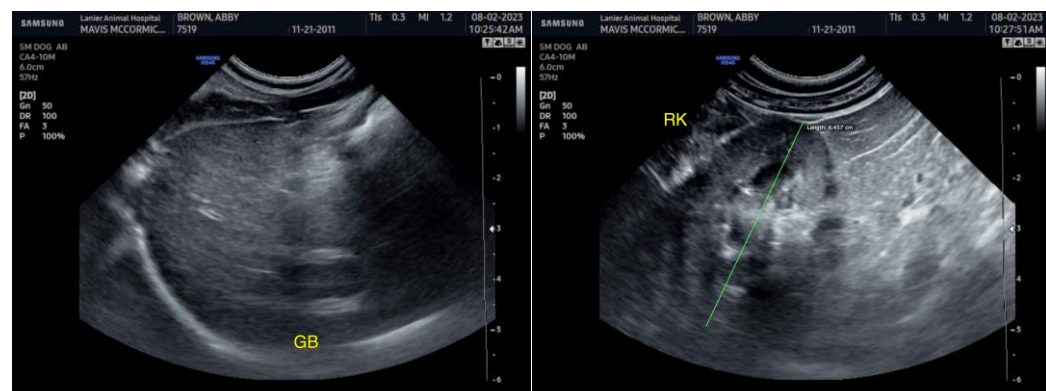
No overt lymphadenopathy or peritoneal effusion was present.

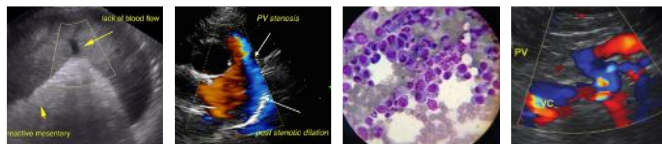
ULTRASONOGRAPHIC FINDINGS

- Nonspecific hepatopathy - sonographically benign, vacuolar hepatopathy, primary or concurrent inflammatory disease, hyperplasia, hematopoiesis, or other hepatopathy with infiltrative neoplasia considered unlikely
- Mild chronic renal changes exhibiting minor medullary mineral
- Nonspecific mildly expansive nonhomogeneous splenic macronodules / small mass lesions - hyperplasia, hematopoiesis, granulomas, regional splenitis, emerging neoplasia, i.e., sarcoma, round cell neoplasia, or other, all potentials

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Assuming normal clotting status and using a 25-gauge needle, hepatosplenic FNA cytology is warranted for further assessment. Prophylactic and diagnostic splenectomy and hepatic biopsies could be a consideration in this patient, assuming no evidence of pathology on three-view chest radiographs. Close sonographic monitoring of the spleen for evidence of progressive macronodular or small mass lesion changes with an initial recheck in 4 weeks would be a more conservative approach.





PATIENT

Abby Brown

SPECIES

Canine

BREED

Shiba Inu

SEX

FS

AGE

11 years

WEIGHT

22.7

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Mavis McCormick-Rantze

HOSPITAL NAME

Lanier AH

REFERRING VET

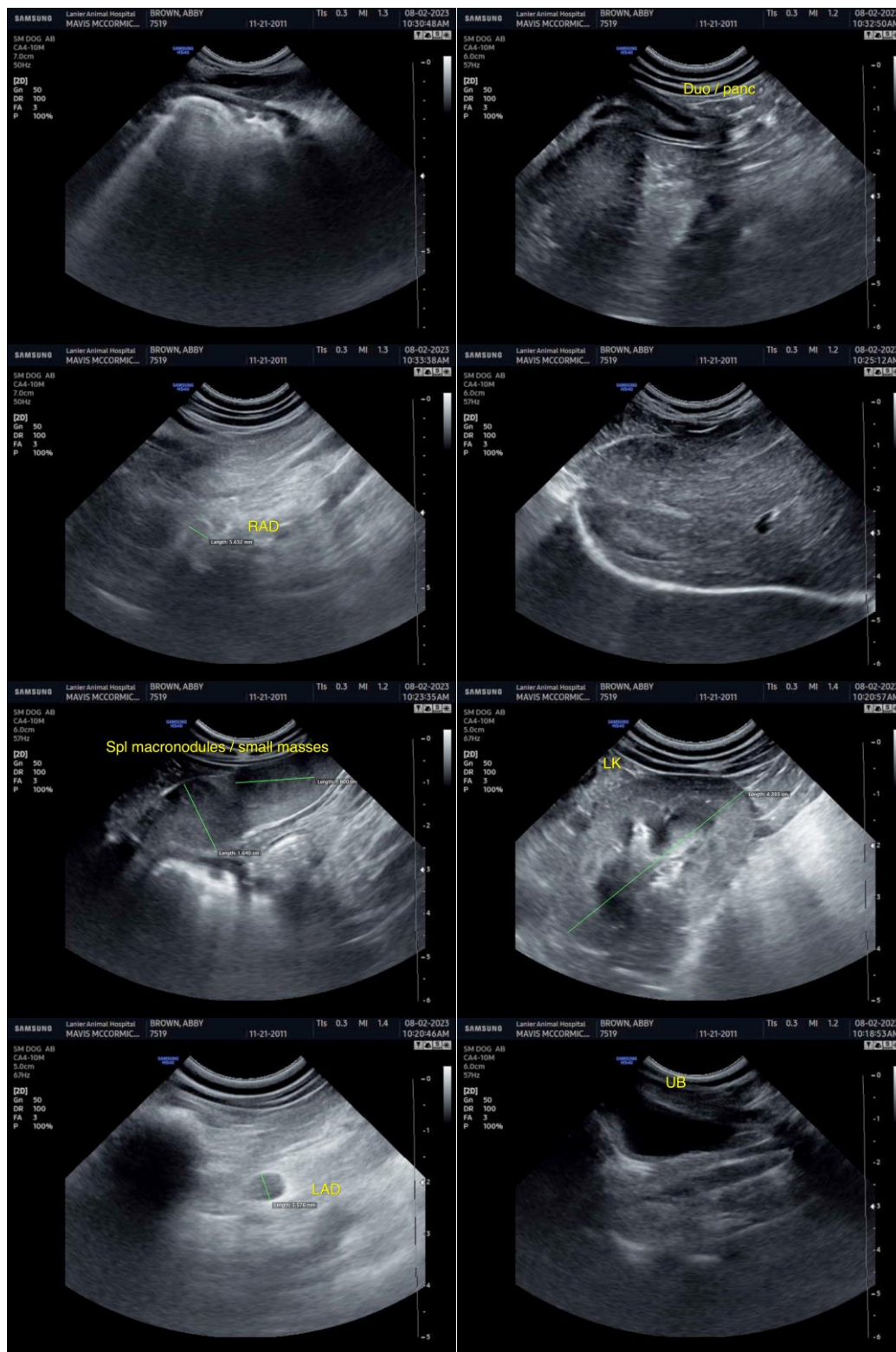
Dr. Mavis McCormick-Rantze

INVOICE

14784

DATE

8/2/23



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.



PATIENT

Abby Brown

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

Canine

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

info@sonopath.com

BREED

Shiba Inu

SEX

FS

AGE

11 years

WEIGHT

22.7

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Mavis
McCormick-Rantze

HOSPITAL NAME

Lanier AH

REFERRING VET

Dr. Mavis
McCormick-Rantze

INVOICE

14784

DATE

8/2/23