



PATIENT PRESENTING CLINICAL SIGNS

Gizmo Brickman Elevated liver enzymes, asymptomatic. No current meds.
 Abnormal PE/Chem/CBC/UA Results: AST 71, ALT 124, PSL 449, Trig 921

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

BREED Urinary bladder is moderately distended with anechoic contents. It has normal uniform wall thickness (< 0.2 cm). No masses or cystoliths are observed.

Miniature Pinscher

The prostate is normal for a neutered dog.

SEX Left kidney is normal in size (3.53 cm), shape and echogenicity. It has smooth peripheral margination and appropriate corticomedullary distinction. There is no pyelectasia noted. No mineral is observed.

Neutered male

Right kidney is normal in size (3.94 cm), shape and echogenicity. It has smooth peripheral margination and appropriate corticomedullary distinction. There is no pyelectasia noted. No mineral is observed.

AGE

10 years

Adrenal Glands

WEIGHT Left adrenal gland is normal in size (1.3 cm long x 0.32 cm at cranial pole and 0.41 cm at caudal pole), shape and contour. Corticomedullary structure is unremarkable.

10.1 lbs

Right adrenal gland is normal in size (1.0 cm long x 0.56 at cranial pole and 0.33 cm at caudal pole), shape and contour. Corticomedullary structure is unremarkable.

INTERPRETED BY

Beth Johnson, DVM
 DACVIM

Spleen

Spleen is subjectively normal in size with normal smooth margins. Parenchyma is normal in echogenicity and echotexture. No focal nodules or masses are observed. Splenic vasculature appears normal.

IMAGING PERFORMED BY

Shari Reffi, CVT

Liver

HOSPITAL NAME

Newton VH

Liver is subjectively normal in size. Margins are sharp and smooth. It has normal homogenous echotexture and normal echogenicity. No focal lesions are observed. Visible vasculature appears normal. GB is moderately distended with anechoic bile and gravity dependent echogenic sediment, some of which appears mineral in echogenicity. The wall is smooth without visible thickening. There is no evidence of cystic or CBD dilation. There is no evidence of effusion or inflammation.

REFERRING VET

Dr. Wyman Greenwald

INVOICE Gastrointestinal

95411 The visible gastric wall is normal in thickness (canine < 0.5 cm and feline < 0.4 cm). The stomach is empty.

DATE

1/19/22

The small intestines are normal in wall thickness and layering. Small intestinal motility appears adequate (1-3 contractions per min). There is a focal bowel loop in the mid abdomen that maintains normal



PATIENT

Gizmo Brickman

appearance and normal layering, but it is mildly thick compared to the other bowel loops measuring 0.45 cm.

SPECIES

Canine

Pancreas

BREED

Miniature Pinscher

Pancreas has normal homogenous echotexture and is normal in echogenicity and smooth margination. There is no evidence of peripancreatic inflammation.

SEX

Neutered male

Free Abdomen

Lymph nodes are normal with no observed enlargement.

AGE

10 years

ULTRASONOGRAPHIC FINDINGS

WEIGHT

10.1 lbs

- Canine Gallbladder debris some of which is mineral- Cholecystic debris is of unknown clinical significance. It can be seen with biliary stasis from fasting or illness. Cholecystic debris is not necessarily related to hepatobiliary disease. Echogenic bile is most commonly an incidental finding in dogs and should be interpreted in combination with clinical signs such as nausea, inappetence, cranial abdominal discomfort and/or laboratory changes such as increased ALP and/or increased Tbili.
- Focal, mildly thick small bowel loop with normal layering. Rule out normal patient variant versus early infiltrative inflammatory disease versus neoplasia, which is considered less likely.

INTERPRETED BY

Beth Johnson, DVM
DACVIM

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING PERFORMED BY

Shari Reffi, CVT

Recommendations for this patient given the increased liver enzymes and the gallbladder changes include testing for Leptospirosis followed by empirical therapy with Ursodiol, Denamarin and antibiotics with monitoring of enzymes for improvement. Given the concurrent high triglycerides and PSL a low fat diet can also be considered. The mildly thick focal bowel loop is likely incidental/normal patient variant; however, a gastrointestinal malabsorption panel including TLI, PLI, folate and coblamain to Texas A&M GI laboratory is recommended to further assess gastrointestinal function. Other recommendations include reassessment of the bowel in 3-6 months or sooner if GI signs develop.

HOSPITAL NAME

Newton VH

REFERRING VET

Dr. Wyman Greenwald

INVOICE

95411

DATE

1/19/22



PATIENT

Gizmo Brickman

SPECIES

Canine

BREED

Miniature Pinscher

SEX

Neutered male

AGE

10 years

WEIGHT

10.1 lbs

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Newton VH

REFERRING VET

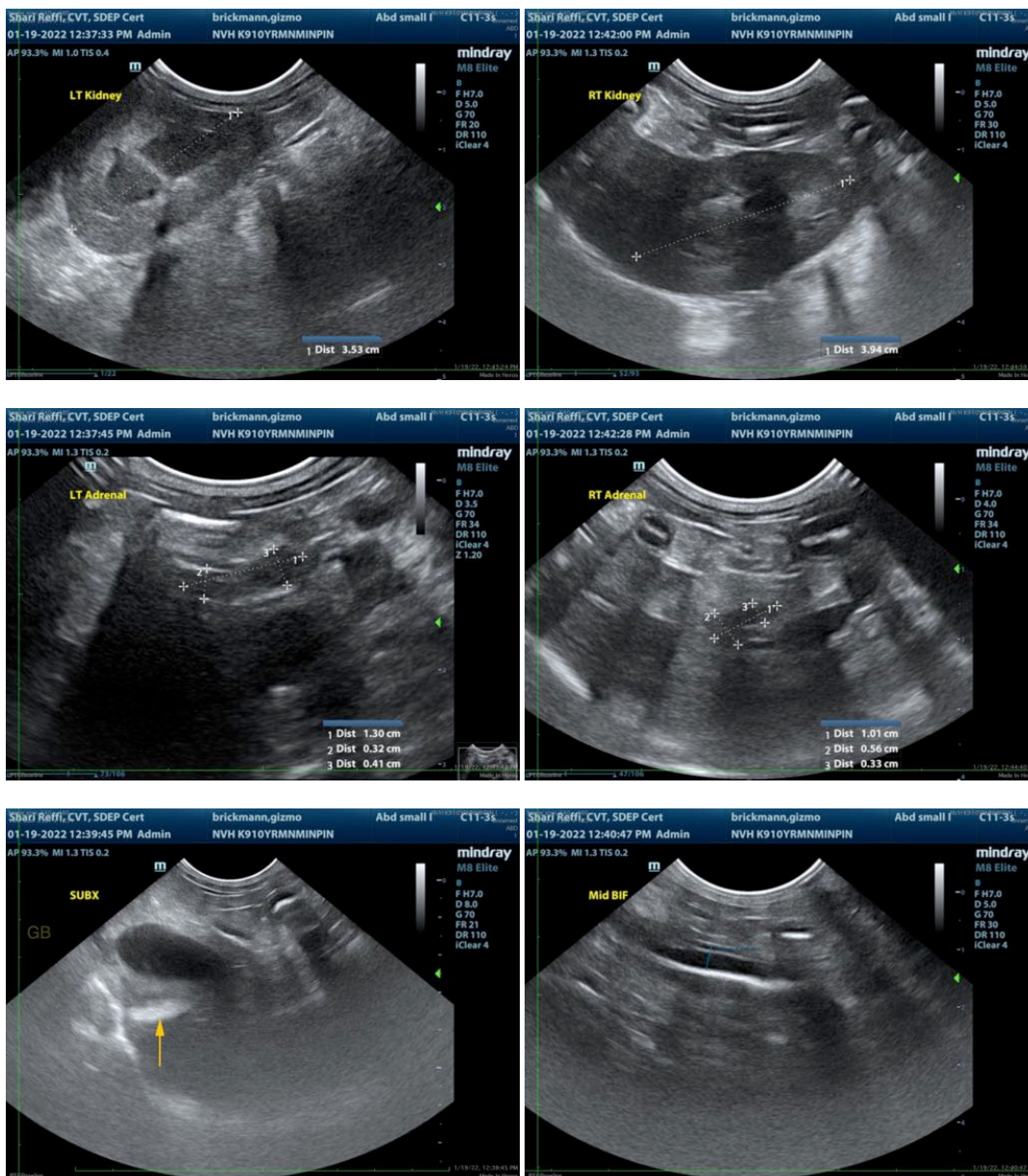
Dr. Wyman Greenwald

INVOICE

95411

DATE

1/19/22



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.

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.

Beth Johnson, DVM DACVIM

Beth.Johnson@SonoPath.com



PATIENT

Gizmo Brickman

SPECIES

Canine

BREED

Miniature Pinscher

SEX

Neutered male

AGE

10 years

WEIGHT

10.1 lbs

INTERPRETED BY

Beth Johnson, DVM
DACVIM

**IMAGING
PERFORMED BY**

Shari Reffi, CVT

HOSPITAL NAME

Newton VH

REFERRING VET

Dr. Wyman Greenwald

INVOICE

95411

DATE

1/19/22