

## PATIENT

Pika Veit

## SPECIES

Canine

## BREED

Husky

## SEX

FS

## AGE

11yr

## WEIGHT

63lb

## INTERPRETED BY

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

## IMAGING PERFORMED BY

Ruth Loomis

## HOSPITAL NAME

Brookwood Animal  
Clinic

## REFERRING VET

Ruth Loomis

## INVOICE

24385

## DATE

04/02/2026

## PRESENTING CLINICAL SIGNS

- Thyro-tabs 0.5mg - 1 tab
- -Ursodiol 250mg - 1 tab SID
- P has hx of pyometra (2 yrs ago - was spayed) and liver mass noted at previous clinic along with GB sludge
- P having ongoing clear vaginal discharge

Abnormal PE/Chem/CBC/UA Results: ALT (SGPT) 239 12 - 118 IU/L HIGH Alk Phosphatase 8544 5 - 131 IU/L HIGH GGT 26 1 - 12 IU/L HIGH Normal UA

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no evidence of urine/lumen sediment, mineral, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

No obvious pathology visualized in the area of the uterine remnant. No obvious visualized left/right ovarian remnant.

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. The left kidney measured - cm in length. The right kidney measured - cm in length.

The area of the aortic trifurcation was free of pathology.

### Adrenal Glands

The left adrenal gland was borderline prominent in size with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.74 cm width at the caudal pole. The right adrenal gland was borderline prominent in size with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.77 cm width at the caudal pole.

### Spleen

The spleen exhibited normal size and contour. Mild heterogeneous parenchyma with a mild non-homogenous non-capsule deforming splenic nodule measuring 2.3 cm in diameter.

### Liver/Gallbladder

Subjective mild to possible moderate hepatomegaly. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. Intermittent discrete hyperechoic intraparenchymal nodules were present, an example measured 1.2 cm in diameter. Normal vascular volume. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non distended in size with echogenic, nonmineralized, nondependent biliary sludge. The biliary sludge was non organized with a hypoechoic to anechoic, irregular to interrupted rim visible between the nondependent sludge



## PATIENT

Pika Veit

and inner wall. No signs of peripheral inflammation. The common bile duct was not visualized without overt evidence of dilation or post hepatic obstructive criteria.

## Gastrointestinal

## SPECIES

Canine

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 mechanical/metabolic ileus, obstruction or foreign material.

## BREED

Husky

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

## Pancreas

## SEX

FS

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.

## Free Abdomen

## AGE

11yr

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

## ULTRASONOGRAPHIC FINDINGS

## WEIGHT

63lb

## Primary

- Hepatopathy with parenchymal remodeling and intermittent discreet hyperechoic parenchymal nodules
- Immature to maturing non-inflamed gallbladder mucocele
- Non-capsule deforming splenic nodule
- Sonographically normal urinary bladder and visible proximal urethra
- Overtly normal area of uterine remnant
- Bilateral borderline prominent adrenal glands

## INTERPRETED BY

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

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

## IMAGING PERFORMED BY

Ruth Loomis

No obvious or sonographically evident pathology in the area of the uterine remnant. However, given reported clear vaginal discharge, non-visualized uterine remnant pathology is not definitively excluded. Cytology +/- C/S of vaginal discharge may be considered if not done. If concurrent signs of estrus, an anti-Mullerian hormone assay would be warranted.

## HOSPITAL NAME

Brookwood Animal  
Clinic

Assuming normal clotting status and using 25ga needle, hepatic parenchyma and splenic nodule FNA cytology is recommended for further clarification. Adrenal screening suggested if clinical signs consistent with Cushing syndrome are present.

## REFERRING VET

Ruth Loomis

Hepatosupportive medications with clinical and sonographic monitoring of the gallbladder if evidence of progressive cholestasis, cranial abdomen/ subxiphoid discomfort on palpation, development of leukocytosis or gastrointestinal signs is recommended.

## INVOICE

24385

## DATE

04/02/2026



### PATIENT

Pika Veit

### SPECIES

Canine

### BREED

Husky

### SEX

FS

### AGE

11yr

### WEIGHT

63lb

### INTERPRETED BY

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

### IMAGING PERFORMED BY

Ruth Loomis

### HOSPITAL NAME

Brookwood Animal  
Clinic

### REFERRING VET

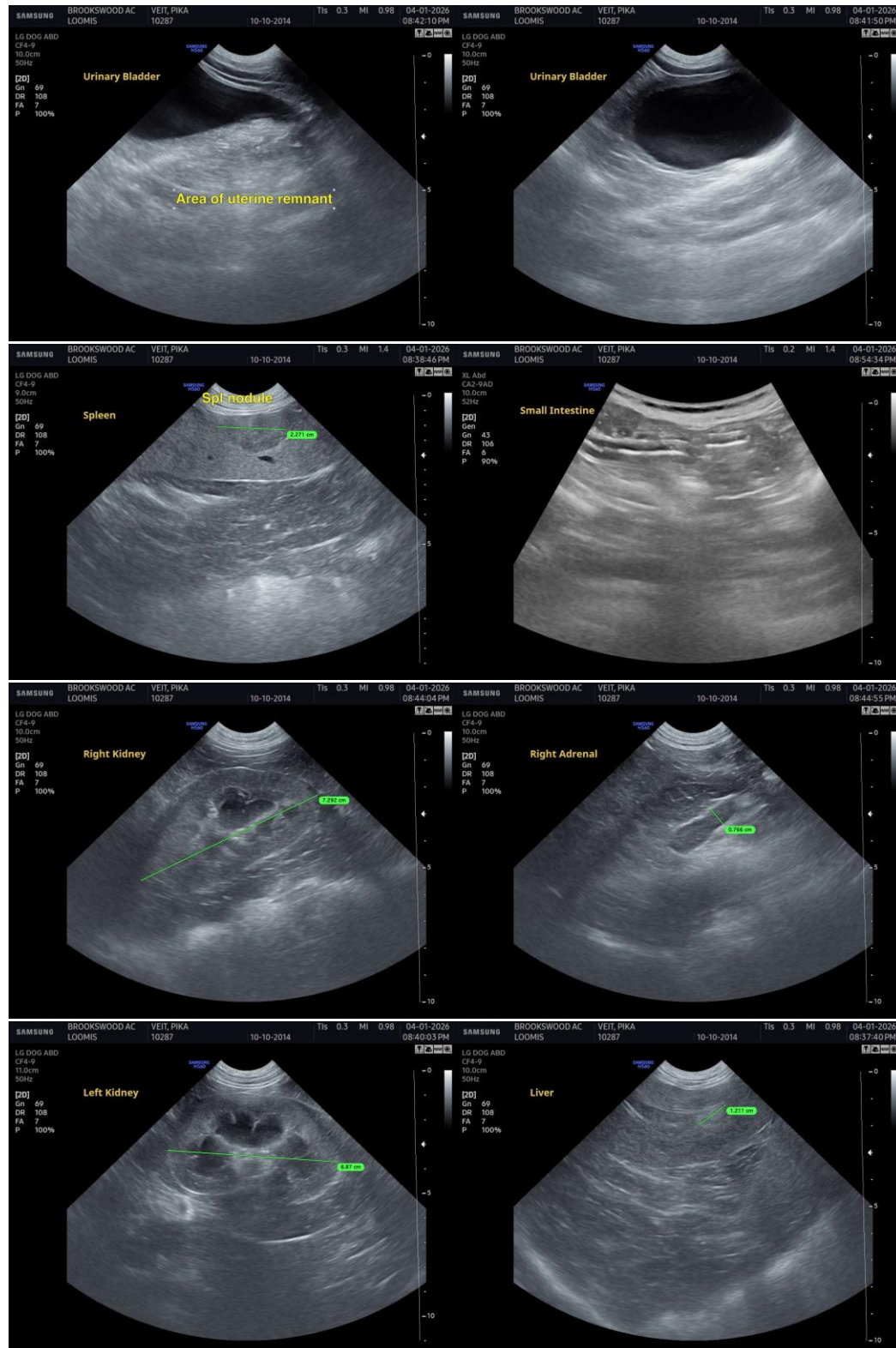
Ruth Loomis

### INVOICE

24385

### DATE

04/02/2026





## PATIENT

Pika Veit

## SPECIES

Canine

## BREED

Husky

## SEX

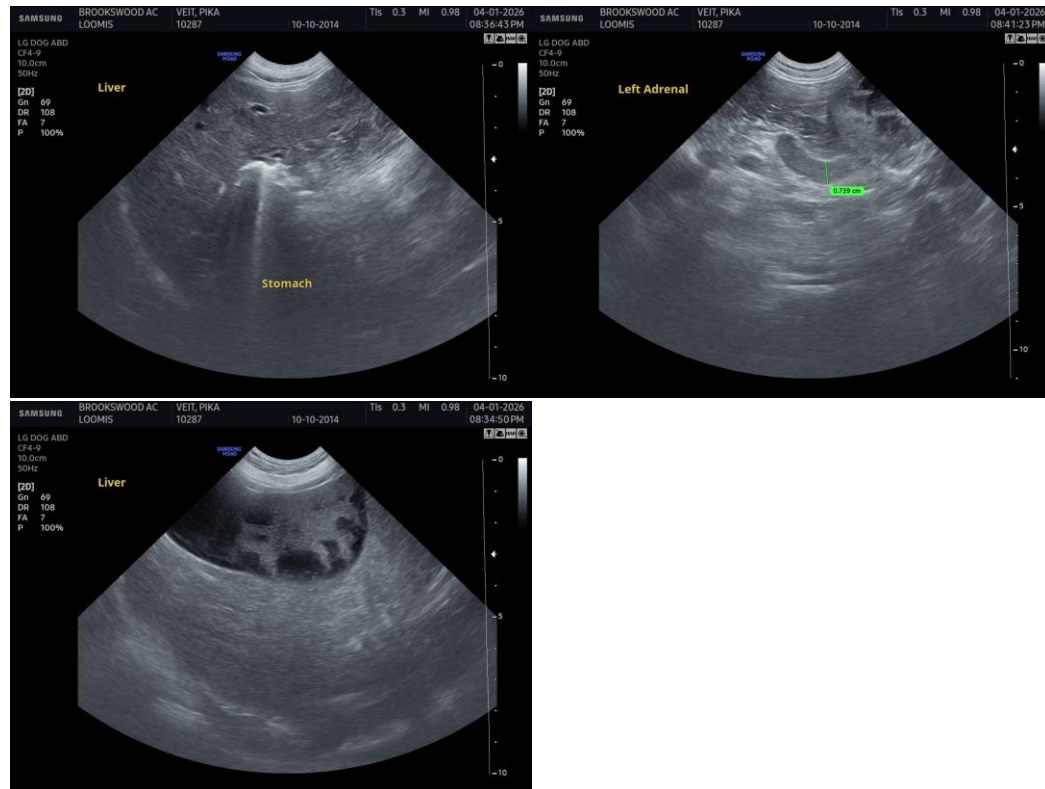
FS

## AGE

11yr

## WEIGHT

63lb



## INTERPRETED BY

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

## IMAGING PERFORMED BY

Ruth Loomis

## HOSPITAL NAME

Brookwood Animal  
Clinic

## REFERRING VET

Ruth Loomis

## INVOICE

24385

## DATE

04/02/2026

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](mailto:info@sonopath.com)