



## PATIENT

Happy Trapp

## SPECIES

Canine

## BREED

Shih Tzu

## SEX

MN

## AGE

14yr

## WEIGHT

13.5lb

## INTERPRETED BY

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

## IMAGING PERFORMED BY

Emma Flott

## HOSPITAL NAME

Portland Veterinary  
Wellness

## REFERRING VET

Mary Ann Onuta

## INVOICE

24567

## DATE

04/21/2026

## PRESENTING CLINICAL SIGNS

-patient has had decreased appetite and constipation for the last 2-3 weeks  
-prior to constipation, p has had softer stool  
-labwork from 3 weeks ago all wnl

-labwork today all wnl, including pancreatic lipase  
-no vomiting, normal urination

Abnormal PE/Chem/CBC/UA Results: PE - Grade II dental disease, otherwise wnl

## 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.

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 corticomodullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 4.2 cm in length. The right kidney measured 4.5 cm in length.

The area of the aortic trifurcation was free of pathology.

The residual prostate appeared normal and free of pathology.

### *Adrenal Glands*

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.51 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.57 cm width at the caudal pole.

### *Spleen*

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.

### *Liver/Gallbladder*

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. Normal vascular volume. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and mild non-organized debris. The cystic and common bile ducts were normal.

### *Gastrointestinal*



## PATIENT

Happy Trapp

## SPECIES

Canine

## BREED

Shih Tzu

## SEX

MN

## AGE

14yr

## WEIGHT

13.5lb

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild variably echogenic non-shadowing ingesta sonographically suggestive of food echogenicity with no signs of 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.

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

### *Pancreas*

The area of the pancreas was sonographically normal.

### *Free Abdomen*

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

## ULTRASONOGRAPHIC FINDINGS

### Primary

- Sonographically normal gastrointestinal tract with mild, non-shadowing gastric ingesta consistent with food echogenicity
- Sonographically normal colon
- Age related renal changes
- Normal area of the pancreas
- Mild non-organized gallbladder debris (non-mucocele)

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overall, no overt evidence of significant abdominal visceral pathology as a definitive cause of the patient's clinical signs. No evidence of neoplastic criteria. A GI panel to include PLI/TLI/Cobalamin/Folate may be considered. Three view chest radiographs may be considered if not done to assess for occult thoracic pathology.

Gastrointestinal support is indicated with clinical monitoring. Sonographic reassessment may be considered if continued to progressive clinical signs or weight loss.

## INTERPRETED BY

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

## IMAGING PERFORMED BY

Emma Flott

## HOSPITAL NAME

Portland Veterinary  
Wellness

## REFERRING VET

Mary Ann Onuta

## INVOICE

24567

## DATE

04/21/2026



**PATIENT**

Happy Trapp

**SPECIES**

Canine

**BREED**

Shih Tzu

**SEX**

MN

**AGE**

14yr

**WEIGHT**

13.5lb

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Emma Flott

**HOSPITAL NAME**

Portland Veterinary  
Wellness

**REFERRING VET**

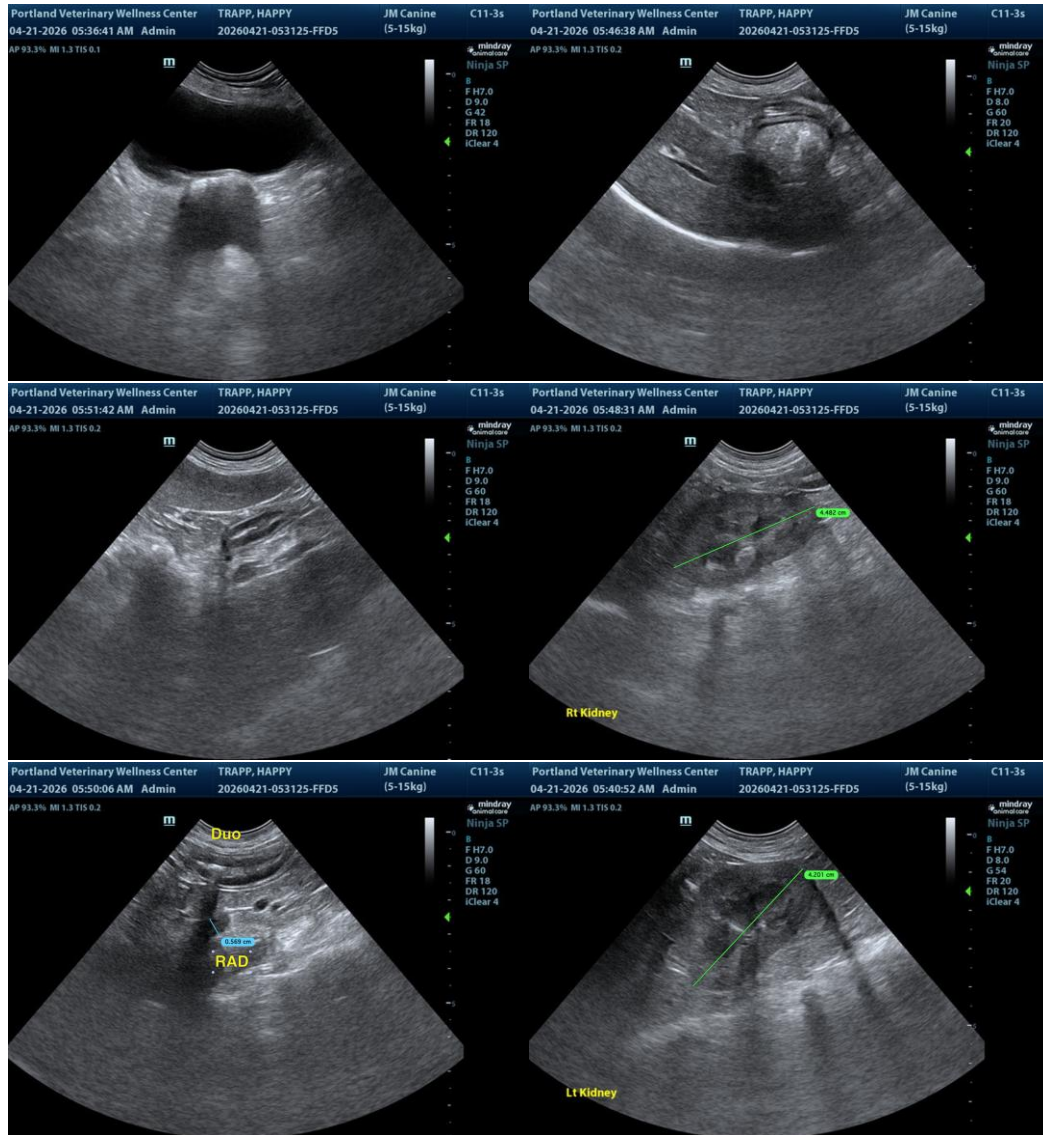
Mary Ann Onuta

**INVOICE**

24567

**DATE**

04/21/2026





**PATIENT**

Happy Trapp

**SPECIES**

Canine

**BREED**

Shih Tzu

**SEX**

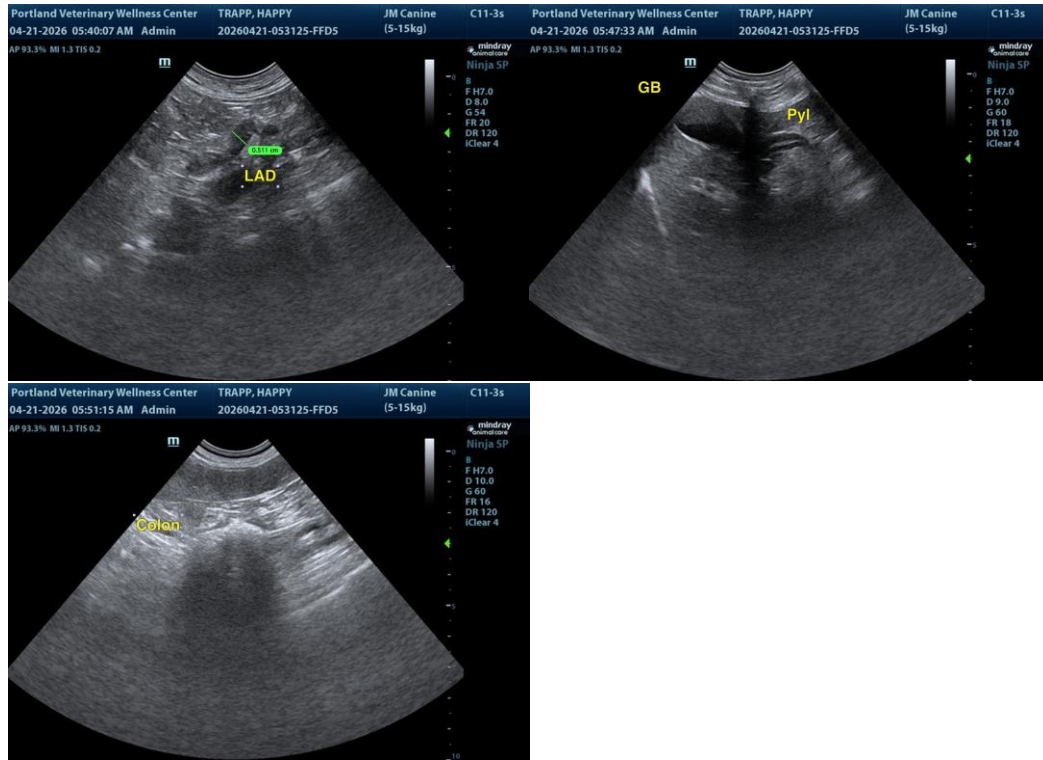
MN

**AGE**

14yr

**WEIGHT**

13.5lb



**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Emma Flott

**HOSPITAL NAME**

Portland Veterinary  
Wellness

**REFERRING VET**

Mary Ann Onuta

**INVOICE**  
24567

**DATE**  
04/21/2026

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)