



PATIENT	PRESENTING CLINICAL SIGNS
Katie Lindholm	Elevated ALT/Alk-phos. Abnormal PE/Chem/CBC/UA Results: ALT= 296, Alk-phos= 240.
SPECIES	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Canine	Urinary System
BREED	The urinary bladder , trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.
West Highland White Terrier	
SEX	The kidneys revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measures 4.26 cm. The right kidney measured 4.0 cm.
Spayed Female	
AGE	Adrenal Glands
13 Years	Both adrenal glands appeared subnormal in size. The left adrenal gland measures 1.37 cm x 0.30 cm at the cranial pole and 0.37 cm at the caudal pole. The right adrenal gland measured 0.40 cm.
WEIGHT	Spleen
16 Pounds	The spleen revealed an echogenic parenchymal mass measuring 2.5 cm in the mid caudal body. The remainder of the spleen presented heterogeneous nodular changes, largest of which measured 1.5 cm. Hyperechoic lipogranulomatous changes also noted in the spleen.
INTERPRETED BY	Liver
Eric Lindquist, DMV	The liver images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable. No obvious evidence of metastatic disease. However, some remodeling is noted.
DABVP, Cert. IVUSS	
IMAGING PERFORMED BY	Gastrointestinal
Dr. Christensen	Examination of the gastrointestinal tract revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.
HOSPITAL NAME	Pancreas
Tranquility Vet Clinic	The base and limbs of the pancreas were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.
REFERRING VET	
Dr. Christensen	
INVOICE	
42843	
DATE	
11/18/22	



PATIENT

Katie Lindholm

SPECIES

Canine

BREED

West Highland White Terrier

SEX

Spayed Female

AGE

13 Years

WEIGHT

16 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Christensen

HOSPITAL NAME

Tranquility Vet Clinic

REFERRING VET

Dr. Christensen

INVOICE

42843

DATE

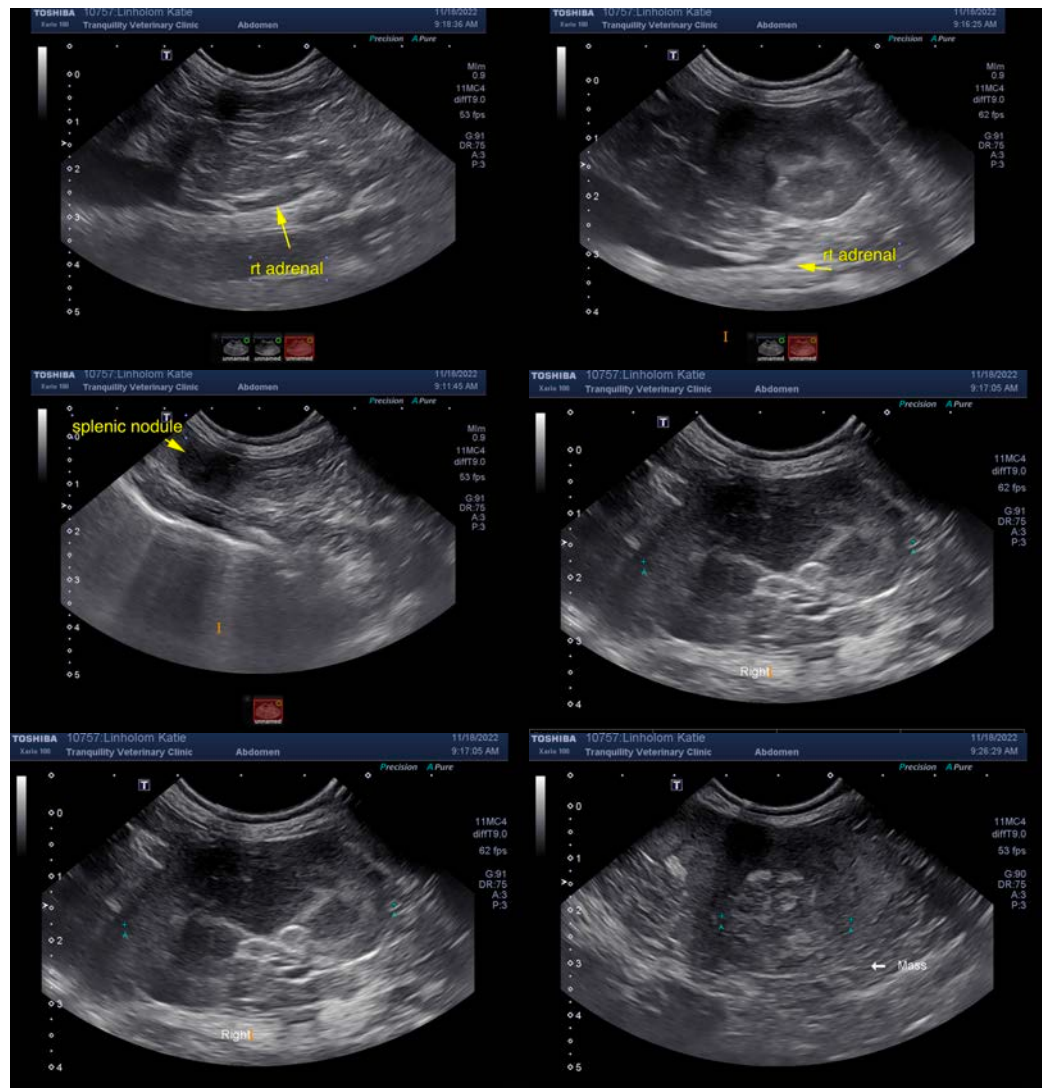
11/18/22

ULTRASONOGRAPHIC FINDINGS

- Splenic mass – consistent with likely stromal tumor, appears resectable.
- Low-grade non-specific inflammatory hepatopathy, given the liver enzyme elevations and sonographic presentation
- Age related renal changes
- Subnormal adrenal size

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given the breed predisposition, screening for underlying Addison's warranted prior to surgical intervention. Chest radiographs, splenectomy, liver inspection, and biopsy all indicated. The splenic changes may be histopathologically benign. However, splenectomy indicated.





PATIENT

Katie Lindholm

SPECIES

Canine

BREED

West Highland White
Terrier

SEX

Spayed Female

AGE

13 Years

WEIGHT

16 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dr. Christensen

HOSPITAL NAME

Tranquility Vet Clinic

REFERRING VET

Dr. Christensen

INVOICE

42843

DATE

11/18/22



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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

info@SonoPath.com