



PATIENT

Katie Engelhardt

SPECIES

Canine

BREED

Border Collie Mix

SEX

Spayed female

AGE

12 years

WEIGHT

82.4 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Ashley Whitesell

HOSPITAL NAME

Dickson Animal Clinic

REFERRING VET

Dr. Whitesell

INVOICE

42360

DATE

11/7/22

PRESENTING CLINICAL SIGNS

History: Elevated liver values, getting worse over past 3 months.
Abnormal PE/Chem/CBC/UA Results: ALKP 483 on 9/2021, 876 on 9/2022, 1045 on 10/2022;
normal reference range 12-118 IU/L ALT now mildly elevated at 121 (9-121 IU/L)

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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 was noted. Ureteral papillae were normal.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The kidneys measured 7.0 cm.

Adrenal Glands

The right **adrenal gland** was not visualized. The left adrenal gland was uniform and measured 0.5 cm.

Spleen

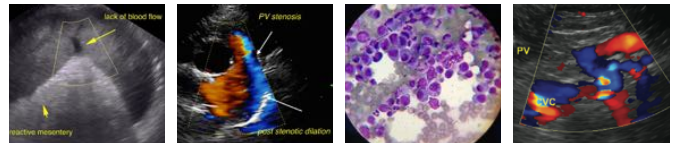
The **spleen** revealed multi-focal, hyperechoic nodular changes with areas of capsular expansion. This is most consistent with lipogranulomas.

Liver

The **liver** revealed 3.0 cm anechoic cyst at the caudal aspect of the left lateral liver. The left lateral liver presented an extended lobe. The gallbladder was unremarkable with a minor amount of dependent debris.

Gastrointestinal

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.



PATIENT

Katie Engelhardt

SPECIES

Canine

BREED

Border Collie Mix

SEX

Spayed female

AGE

12 years

WEIGHT

82.4 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUS

IMAGING PERFORMED BY

Ashley Whitesell

HOSPITAL NAME

Dickson Animal Clinic

REFERRING VET

Dr. Whitesell

INVOICE

42360

DATE

11/7/22

Pancreas

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.

ULTRASONOGRAPHIC FINDINGS

Benign hepatopathy with anechoic cysts in the caudal aspect of the left liver, appears resectable, yet subjectively benign.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ultrasound-guided drainage could be considered along with FNA of the liver. However, structurally the liver appears unremarkable.



INVOICE

42360

DATE

11/7/22



PATIENT

Katie Engelhardt

SPECIES

Canine

BREED

Border Collie Mix

SEX

Spayed female

AGE

12 years

WEIGHT

82.4 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Ashley Whitesell

HOSPITAL NAME

Dickson Animal Clinic

REFERRING VET

Dr. Whitesell

INVOICE

42360

DATE

11/7/22



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