



PATIENT

Besos Fernandez

SPECIES

Canine

BREED

Terrier Cross

SEX

Spayed female

AGE

6 years

WEIGHT

8.2 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dallas Reynolds, LVT

HOSPITAL NAME

Lone Mountain AH

REFERRING VET

Dr. Parker

INVOICE

32824

DATE

9/8/22

PRESENTING CLINICAL SIGNS

History: Hx of elevated liver values. ALT, ALP, and GGT have more than doubled in the last month. Previous ultrasound cases sent on 3/24/22, and 12/4/21

Abnormal PE/Chem/CBC/UA Results: 9/8 ALT: 870, ALP: 607, GGT: 34 8/9 ALT: 313, ALP: 232, GGT: 9 7/14: ALT: 340, ALP: 320, GGT: 16 6/24: ALT: 127, ALP: 275, GGT: 14 6/09: ALT: 137, ALP: 264, GGT: 10 5/26: ALT: 841, ALP: 485, GGT: 34 5/10: ALT: 327, ALP: 359, GGT: 22 4/29: ALT: 463, ALP: 494, GGT: 43

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 5.0 cm.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 0.5 cm. The right adrenal gland measured 0.8 cm at the cranial pole and 0.5 cm at the caudal pole.

Spleen

The **spleen** in this patient was mildly enlarged with uniform parenchyma and was folded upon itself caudally. This is a positional variant and is not pathological. There was no evidence of significant disease.

Liver

The **liver** was slightly enlarged with mildly increased portal markings and coarse architecture. Non-specific inflammatory hepatopathy is likely. The gallbladder presented a minor amount of debris. The cystic duct and common bile duct were unremarkable.

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



PATIENT

Besos Fernandez

demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

SPECIES

Canine

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.

BREED

Terrier Cross

ULTRASONOGRAPHIC FINDINGS

SEX

Spayed female

Non-specific, mild chronic inflammatory hepatopathy.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

6 years

FNA, bile acids and Leptospirosis titers are all indicated. There is no suspicion of neoplasia. Further investigation is recommended. Core biopsy would be ideal given the age of the patient with quantitative copper assessment. FNA would allow for assessment of inflammatory cell type. Subclinical Leptospirosis should be ruled out.

WEIGHT

8.2 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dallas Reynolds, LVT

HOSPITAL NAME

Lone Mountain AH

REFERRING VET

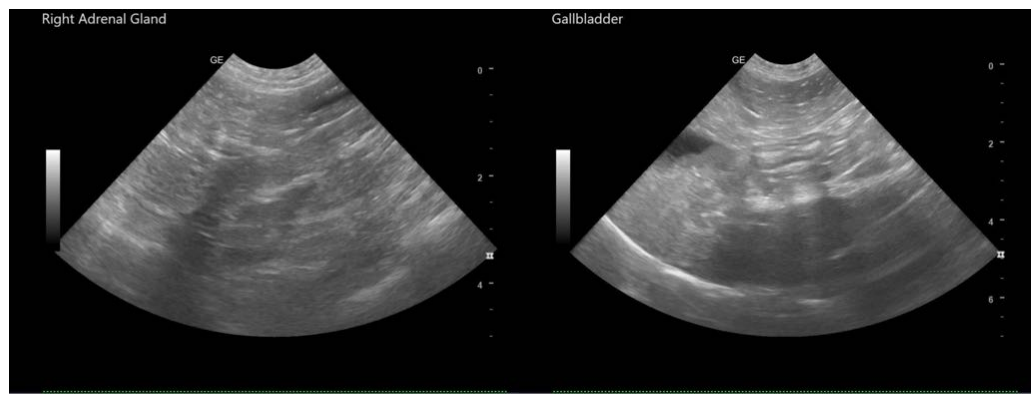
Dr. Parker

INVOICE

32824

DATE

9/8/22





PATIENT

Besos Fernandez

SPECIES

Canine

BREED

Terrier Cross

SEX

Spayed female

AGE

6 years

WEIGHT

8.2 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dallas Reynolds, LVT

HOSPITAL NAME

Lone Mountain AH

REFERRING VET

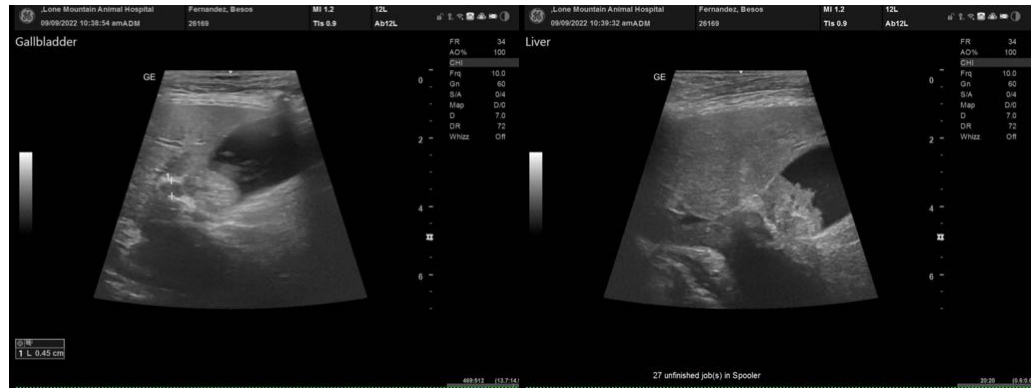
Dr. Parker

INVOICE

32824

DATE

9/8/22



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