



PATIENT	PRESENTING CLINICAL SIGNS
Cojo Matsuda	History: No issues other than itchy skin. Labs revealed liver enzyme elevations. Abnormal PE/Chem/CBC/UA Results: PE: stage I denal disease, normal exam. CBC: Normal Chem: ALT 556 U/L, AST 85 U/L, ALP 446 U/L Spec cPL: normal Heartworm, Ehrlichia, Lyme, Anaplasma all normal Fecal Float and Antigen srcree: Negative PENDING TODAY: Urinalysis, Bile Acids, FNA's of Liver for Cytology
SPECIES	
Canine	
BREED	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Havanese Mix	Urinary System
SEX	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.
Neutered male	The residual prostate measured 0.5 cm.
AGE	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 right kidney measured 4.27 cm. The left kidney measured 4.13 cm.
4 years	
WEIGHT	
11.6 lbs	
INTERPRETED BY	Adrenal Glands
Eric Lindquist, DMV DABVP, Cert. IVUSS	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 1.52 x 0.62 cm at the caudal pole and 0.38 cm at the cranial pole. The right adrenal gland measured 1.18 x 0.4 cm at the caudal pole and 0.39 cm at the cranial pole.
IMAGING PERFORMED BY	
Carissa Rhoades	
HOSPITAL NAME	Spleen
Elizabeth AH	The spleen presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.
REFERRING VET	
Dr. Anderson	
INVOICE	Liver
32251	The liver revealed slightly increased portal markings, yet the changes were minor. Non-specific, minor, low-grade inflammatory hepatopathy. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.
DATE	
8/9/22	



PATIENT

Cojo Matsuda

Gastrointestinal

SPECIES

Canine

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.

BREED

Havanese Mix

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.

SEX

Neutered male

ULTRASONOGRAPHIC FINDINGS

AGE

4 years

Low-grade inflammatory hepatopathy.
Subclinical Leptospirosis should be ruled out.

WEIGHT

11.6 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the liver can be considered for further definition. Reactive hepatopathy should be considered owing to antigen surveillance phenomenon. A clinical trial of Amoxicillin, Metronidazole over a 10 day period with hydrolyzed diet could be considered to treat for reactive hepatopathy and reassessment of the liver enzymes after 3-4 weeks. The structural changes are minor to minimal at this time. If the liver remain elevated over the 4-6 weeks then a recheck sonogram is warranted at that time.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUS

IMAGING PERFORMED BY

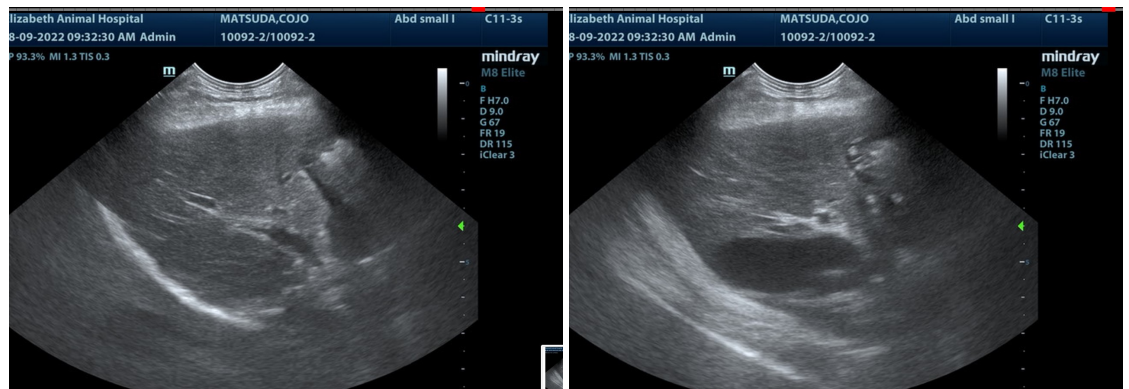
Carissa Rhoades

HOSPITAL NAME

Elizabeth AH

REFERRING VET

Dr. Anderson



INVOICE

32251

DATE

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PATIENT

Cojo Matsuda

SPECIES

Canine

BREED

Havanese Mix

SEX

Neutered male

AGE

4 years

WEIGHT

11.6 lbs

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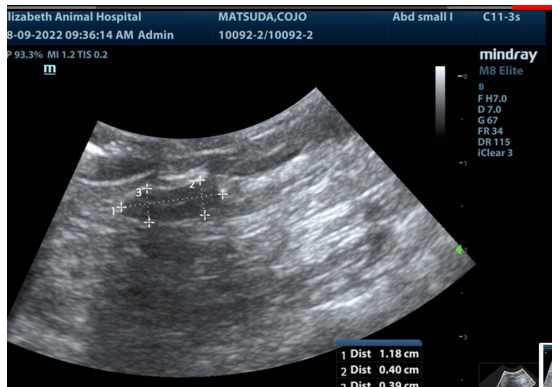
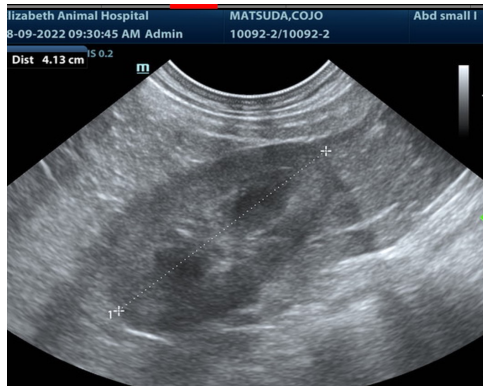
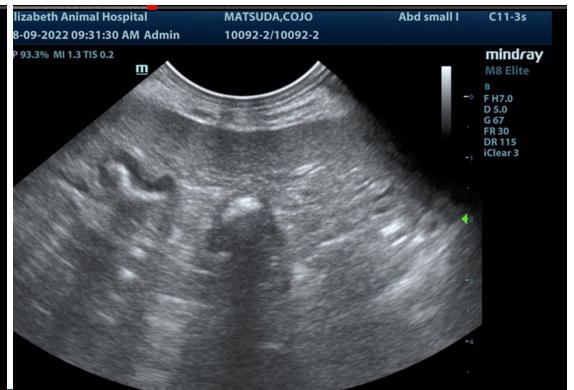
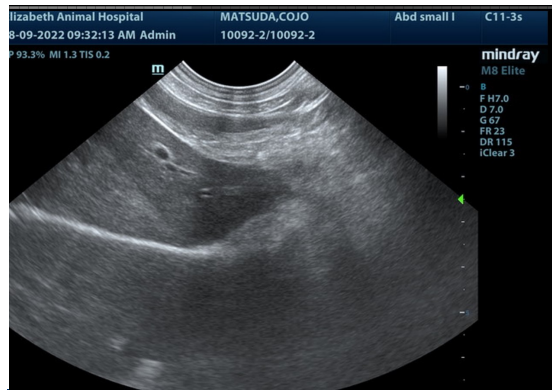
Dr. Anderson

INVOICE

32251

DATE

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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