



PATIENT

Geneva DeBartolo

SPECIES

Canine

BREED

Lab

SEX

Spayed Female

AGE

10 Years

WEIGHT

77 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

JK

HOSPITAL NAME

Hamburg VC

REFERRING VET

Dr. Denheyser

INVOICE

14520

DATE

4/1/22

PRESENTING CLINICAL SIGNS

History: Elevated liver values and WBC.

Abnormal PE/Chem/CBC/UA Results: GLOB 4.5, AST 89, ALT 337, ALK PHOS 4282, TOTAL BILI 3.4, WBC 35

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 were 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 right kidney measured 6.78 cm. The left kidney measured 6.78 cm.

Adrenal Glands

The **adrenal glands** were not visualized.

Spleen

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 were noted.

Liver

The **liver** revealed uniform size and contour. The parenchyma was uniform with minor coarse architecture, expected for this age patient. This is a nonspecific presentation. Occasional hyperechoic nodules were noted in the liver, consistent with lipogranulomas, nonpathological. The gallbladder 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 demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

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



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- Acute hepatic insult on age-related hepatic changes with occasional hyperechoic nodules

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of neoplasia or post hepatic obstruction. FNA of the hepatic parenchyma and investigation for cause of acute insult such as leptospirosis or toxin exposure. Leptospirosis titers warranted. IV ampicillin, metronidazole and nutraceuticals all indicated and further definition based on FNA and serology results.

BREED

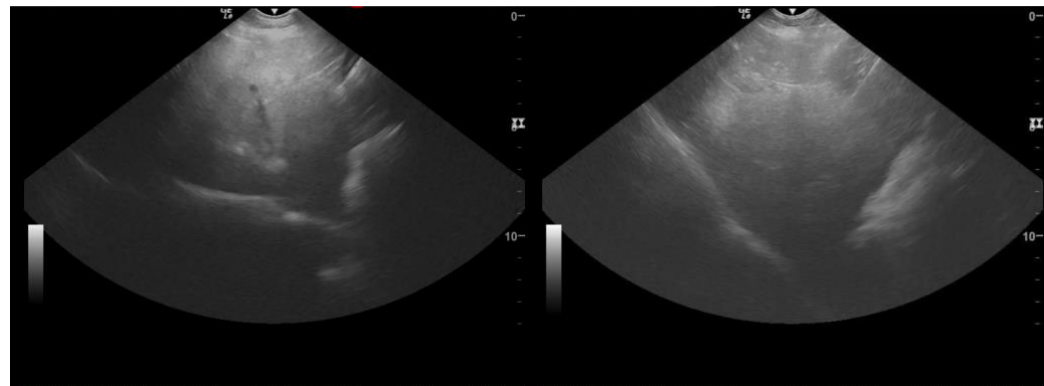
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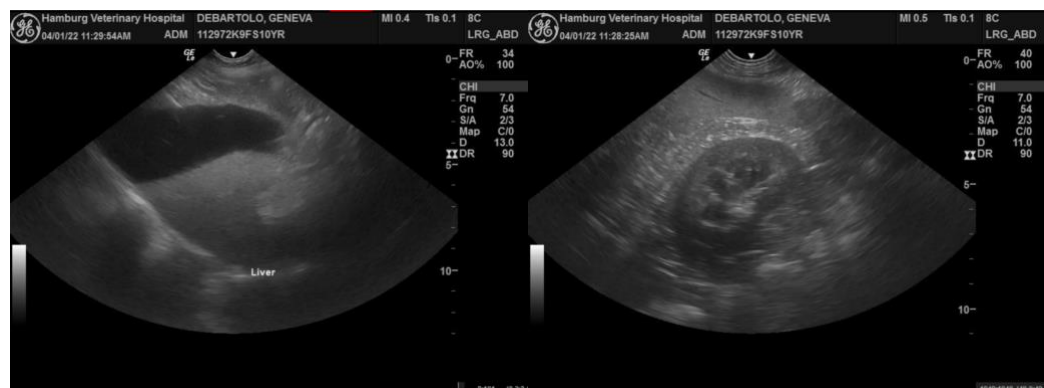
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I



PATIENT

can be of any further assistance please contact me.

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info@SonoPath.com

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