



PATIENT

Jilly Brown

PRESENTING CLINICAL SIGNS

History: Elevated liver values, PU/PD
Abnormal PE/Chem/CBC/UA Results: ALT 158, ALK PHOS 135, GGTP 40

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Yorkie

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.

SEX

Spayed Female

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 3.9 cm. The left kidney measured 4.09 cm.

AGE

13 years

WEIGHT

11 ½ lbs

Adrenal Glands

Both **adrenal glands** measure normally, yet were slightly swollen. The right adrenal gland measured 1.84 x 0.54 cm. The left adrenal gland measured 2.19 x 0.49 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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 was noted.

IMAGING PERFORMED BY

JK

HOSPITAL NAME

Hamburg VC

Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. A hyperechoic 2.15 x 1.9 cm nodule was noted in the right medial liver. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder was over distended with suspended and dependent debris, yet not to the level of mucocele formation.

REFERRING VET

Dr. Martens

INVOICE

97954

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.

DATE

3/30/22



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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.

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ULTRASONOGRAPHIC FINDINGS

Hepatic nodule, likely lipogranuloma with the potential for emerging carcinoma.
Minor excessive gallbladder debris.

SEX

Spayed Female

AGE

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA is recommended. Ursodiol therapy is indicated. If PU/PD is an issue and urine specific gravity is persistently than 1.020 the work up for PDH is indicated with urine cortisol to creatinine ratio. Ursodiol is warranted over the next 6 weeks a recheck sonogram.

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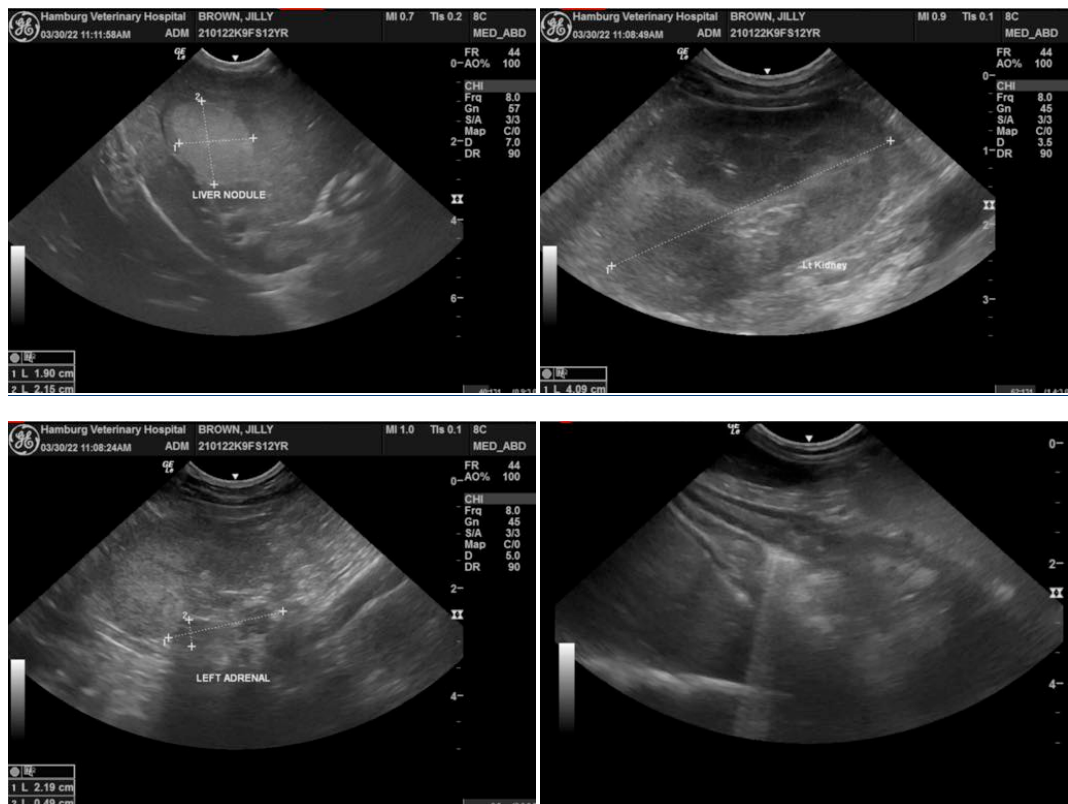
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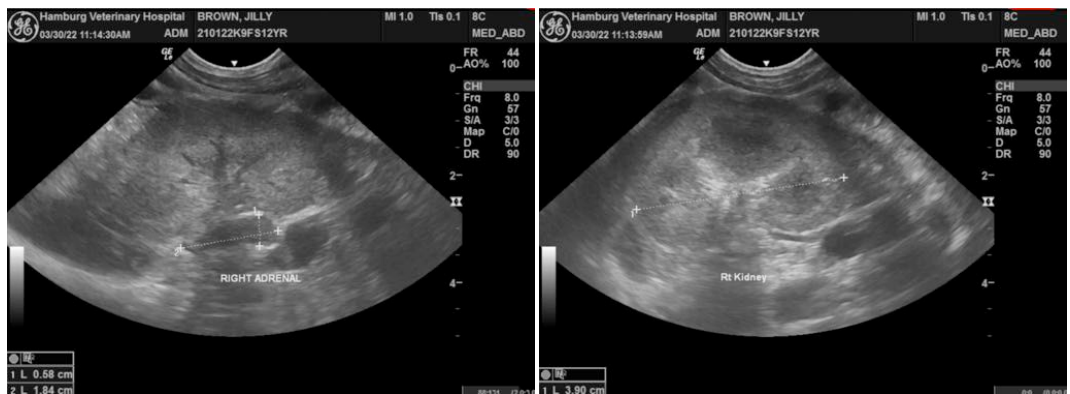
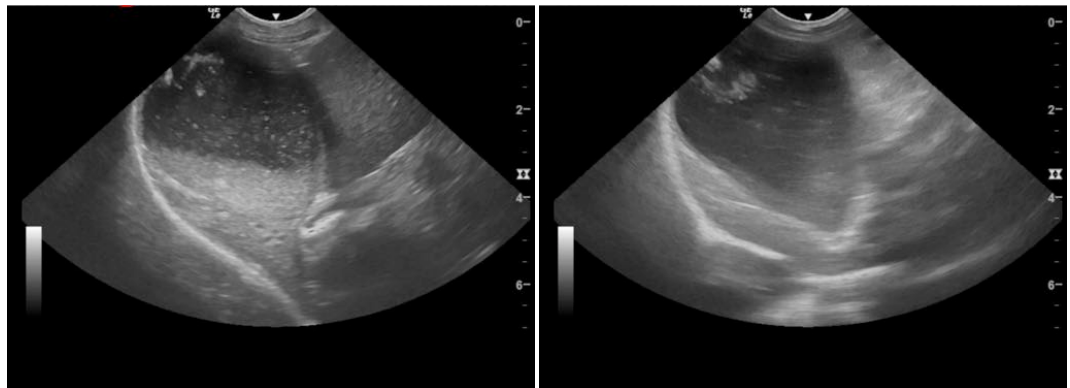
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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



PATIENT info@SonoPath.com

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