



**PATIENT**

**PRESENTING CLINICAL SIGNS**

Beau Shutz

History: Lethargic, anorexia, vomiting slightly elevated liver values  
Abnormal PE/Chem/CBC/UA Results: AST 122, ALT 240.

**SPECIES**

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine

**Urinary System**

**BREED**

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.

Beagle

**SEX**

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 left kidney measured 6.0 cm. The right kidney measured 5.96 cm.

Neutered male

**AGE**

**Adrenal Glands**

6 years

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 right adrenal gland measured 0.6 cm. The left adrenal gland measured 0.5 cm.

**WEIGHT**

43 lbs

**INTERPRETED BY**

**Spleen**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. Hyperechoic lipogranulomatous nodule was noted in the spleen. 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**

**Liver**

Hamburg VC

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder in this patient was over distended with striating bile and pericapsular mesentery. The gallbladder measured 5.0 x 4.0 cm in long axis. Gallbladder wall edema was also noted.

**REFERRING VET**

Dr. Branning

**INVOICE**

**Gastrointestinal**

42716

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**

2/10/23



**PATIENT**

Beau Shutz

**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.

**SPECIES**

Canine

**BREED**

Beagle

**Free Abdomen**

Regional inflammation was noted throughout the cranial abdomen. This is associated with the gallbladder.

**SEX**

Neutered male

**ULTRASONOGRAPHIC FINDINGS**

Inflamed gallbladder mucocele.

**AGE**

6 years

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**This is a surgical emergency.** Immediate cholecystectomy and common bile duct lavage is warranted with liver biopsy. However, the liver structurally appears unremarkable.

**WEIGHT**

43 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

JK

**HOSPITAL NAME**

Hamburg VC

**REFERRING VET**

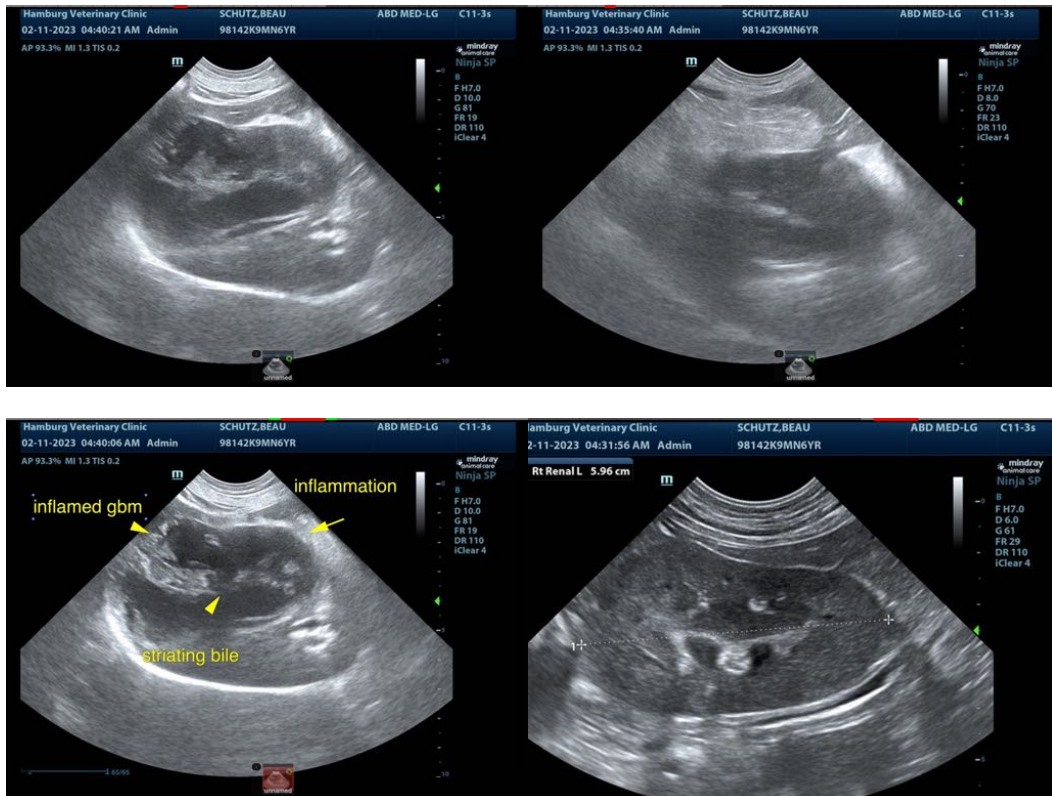
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**PATIENT**

Beau Shutz

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.

**SPECIES**

Canine

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.

**BREED**

Beagle

**Eric Lindquist**, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com  
info@SonoPath.com

**SEX**

Neutered male

**AGE**

6 years

**WEIGHT**

43 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

JK

**HOSPITAL NAME**

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