



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Boo Bredefeld  
Increased liver enz, icteric, o reports not eating 3-4 days, chronic wt loss ~4 months. No current meds. Abnormal PE/Chem/CBC/UA Results: BUN 12, Globulin 5.2, ALT 565, Alk Phos 155, TBili 3.4, GGT normal

**SPECIES**

Feline

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED**

**Urinary System**

DSH

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 pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

**SEX**

Neutered Male

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 left kidney measured 4.15 cm. The right kidney measured 4.27 cm.

**AGE**

13 Years

**WEIGHT**

8.75 Pounds

**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 0.44 cm. The right adrenal gland measured 0.39 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 were noted.

**IMAGING PERFORMED BY**

Jessica Miller, RDMS

**HOSPITAL NAME**

The Gentle Vet

**Liver**

The **liver** presented coarse architecture and revealed a hypoechoic nodule in the left medial liver measuring 0.52 cm. A separate hypoechoic expansive medial nodule was noted measuring 2.1 cm with mild disruption of architecture. Other nodular changes noted in the hepatic parenchyma. This is a diffuse presentation. Increased portal markings noted. The gallbladder and common bile duct were normal. No evidence of post-hepatic obstruction. Hepatic swelling also noted.

**REFERRING VET**

Dr. Dulude

**INVOICE**

44782

**Gastrointestinal**

**DATE**

8/18/23

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.



**PATIENT**

**Pancreas**

Boo Bredefeld

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**

Feline

**ULTRASONOGRAPHIC FINDINGS**

**BREED**

DSH

- Nodular liver with swelling, no evidence of post-hepatic obstruction – suspect diffuse parenchymal disease. Round cell neoplasia versus cholangiohepatitis are primary concerns.
- Age related renal changes

**SEX**

Neutered Male

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

FNA of the liver with cytology and culture is essential in this patient. Prognosis is very guarded.

**AGE**

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**WEIGHT**

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**REFERRING VET**

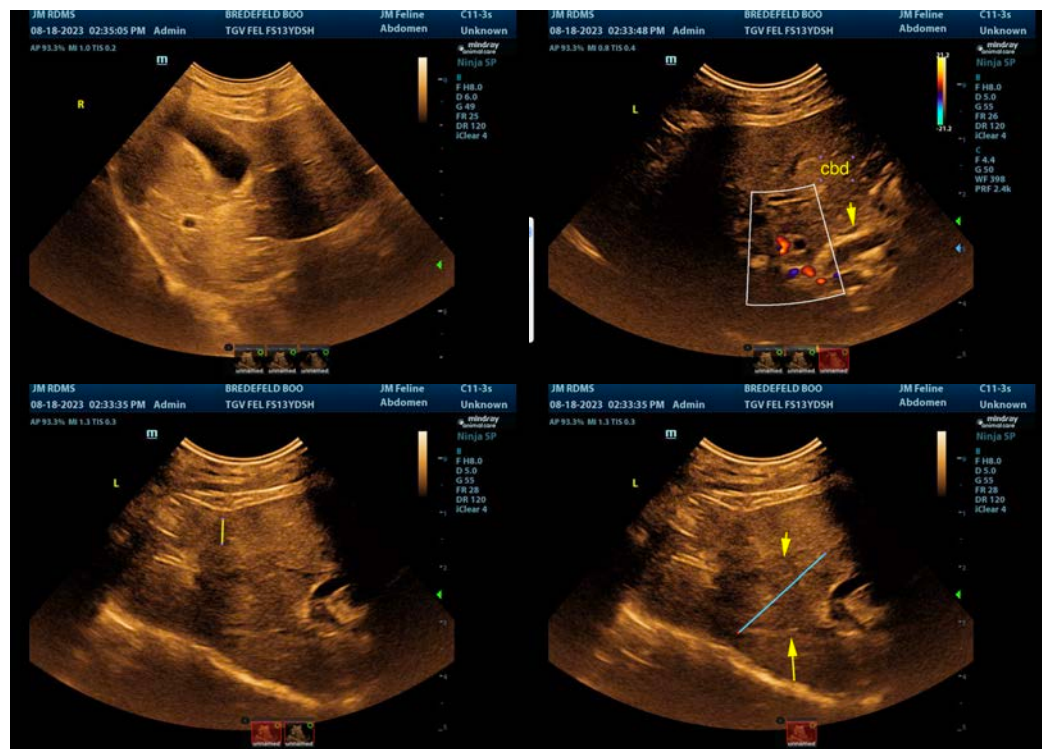
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**PATIENT**

Boo Bredefeld

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**BREED**

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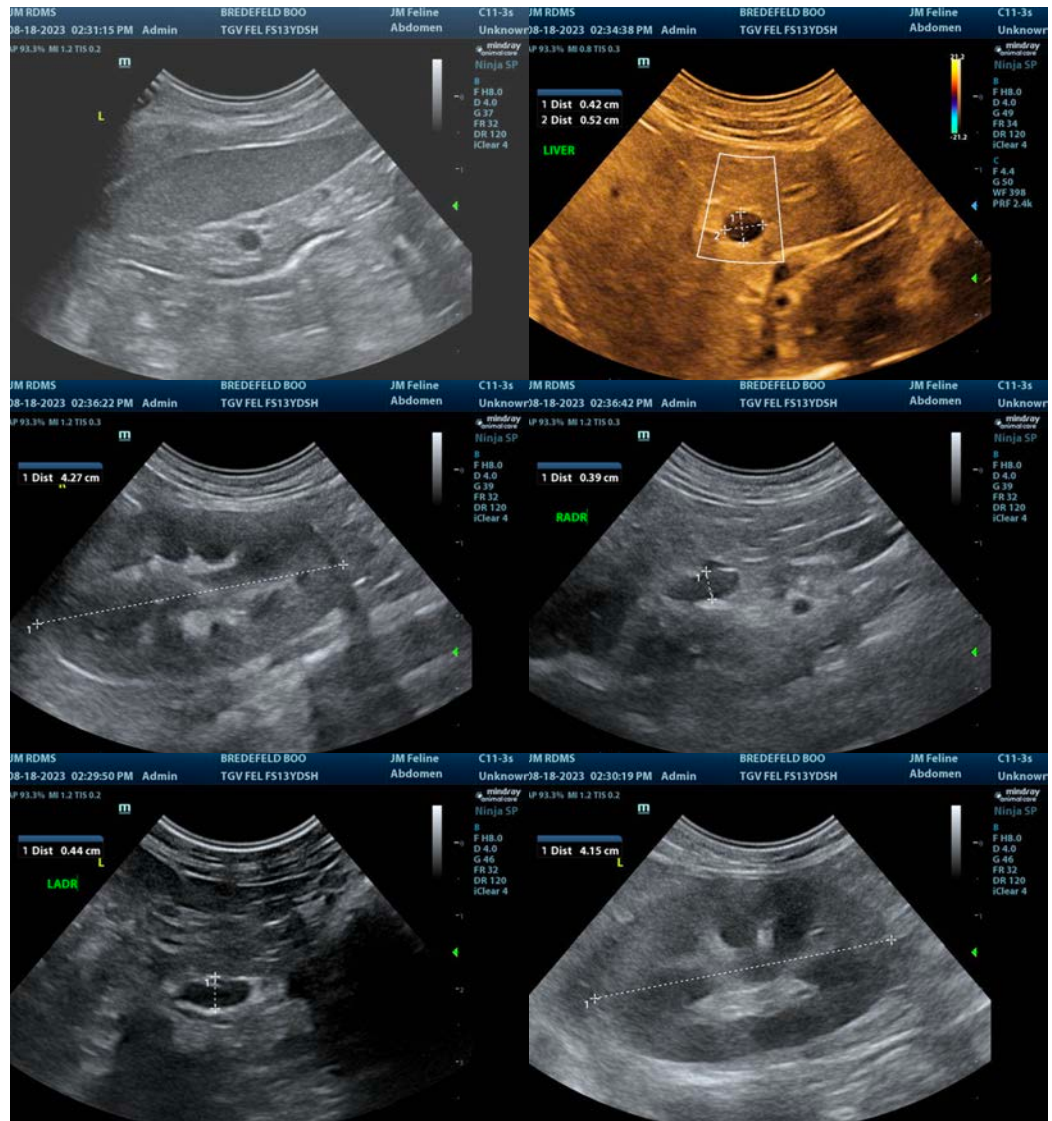
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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