



**PATIENT PRESENTING CLINICAL SIGNS**

Bititi Hein Elevated liver enzymes, check liver and GB. Current meds: Denamarin, Metronidazole 250mg

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Canine Urinary System**

The **urinary bladder** revealed a 0.4 cm calculus, non-obstructive. The pelvic urethra was imaged 3.0 cm beyond the cystourethral junction.

**BREED**

Maltese

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 4.46 cm. The right kidney measured 4.92 cm. Occasional cortical cysts noted in the kidneys. Calculi noted in the kidneys, non-obstructive.

**SEX**

Spayed Female

**AGE**

8 Years

**Adrenal Glands**

Both **adrenal glands** were slightly swollen, yet technically within normal limits. Minor heterogeneous parenchymal changes noted. The right adrenal gland measured 1.98 cm x 0.83 cm at the cranial pole and 0.57 cm at the caudal pole. The left adrenal gland measured 1.96 cm x 0.49 cm at the caudal pole and 0.69 cm at the cranial pole.

**WEIGHT**

13 Pounds

**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.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Shari Reffi, CVT

**Liver**

The **liver** presented a uniform vacuolar hepatopathy pattern with minor coarse architecture. The gallbladder and common bile duct were normal.

**HOSPITAL NAME**

North Warren AH

**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.

**REFERRING VET**

Dr. Corrado

**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.

**INVOICE**

26195

**ULTRASONOGRAPHIC FINDINGS**

**DATE**

10/11/21

- Benign hepatopathy, no evidence of significant hepatic pathology



**PATIENT**

Bitti Hein

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

FNA could be considered for further definition. If the patient presents PU/PD (i.e., USG <1.020), then workup for PDH/Cushing's would be indicated if clinically appropriate.

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Canine

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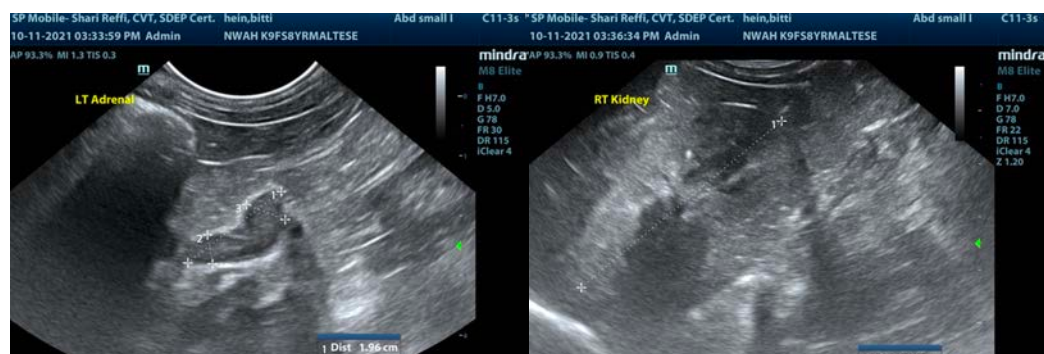
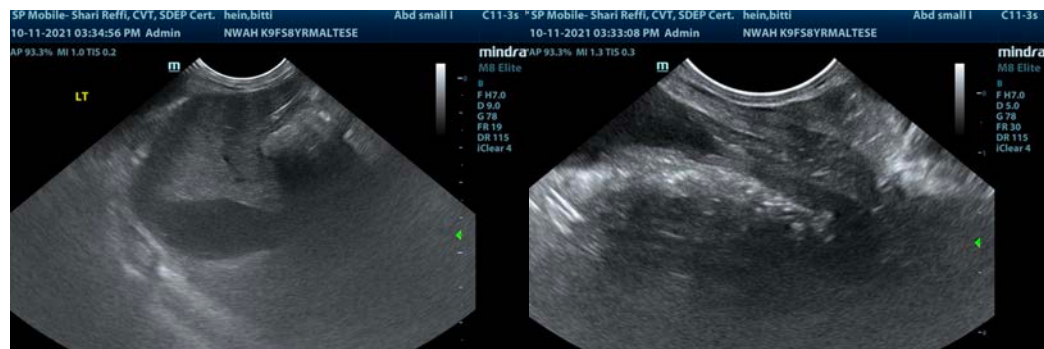
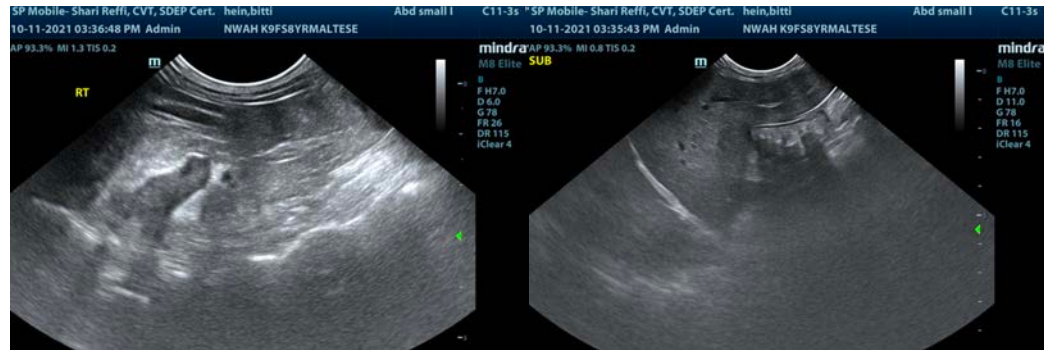
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

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