



**PATIENT PRESENTING CLINICAL SIGNS**

Domino Blake Swollen abdomen, elevated liver values.  
Abnormal PE/Chem/CBC/UA Results: Elevated liver values

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine

**Urinary System**

**BREED**

Jack Russell Terrier X

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.

**SEX**

The residual prostate measured 0.6 cm.

Neutered Male

**AGE**

12 Years

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 4.9 cm. The right kidney measured 5.14 cm.

**Adrenal Glands**

**WEIGHT**

13.4 Pounds

The **left adrenal gland** was enlarged, irregular and heterogeneous, measuring 3.44 cm x 2.0 cm. Enhanced surrounding mesentery noted, consistent with mass effect. No evidence of caval invasion noted. Areas of mineralization noted in the adrenal gland, suggestive for carcinoma. However, minor occasional pheochromocytoma can present mineralization. The **right adrenal gland** is uniform, measuring 1.69 cm x 0.5 cm at the cranial pole and 0.59 cm at the caudal pole.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**Spleen**

**IMAGING PERFORMED BY**

Shari Reffi, CVT

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.

**HOSPITAL NAME**

Lake Hopatcong AH

**Liver**

**REFERRING VET**

Dr. Batta

The **liver** was uniformly swollen with minor, excessive gallbladder debris and over distension with dependent and suspended bile without evidence of overt mucocele formation. However, excessive sludge was present. Minor polypoid gallbladder changes noted. The liver presented coarse architecture with mildly increased portal markings and subtle, mixed echogenic changes. This is consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. There was no overt suspicion of neoplasia.

**INVOICE**

26100

**Gastrointestinal**

**DATE**

10/6/21

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**

Domino Blake

**Pancreas**

**SPECIES**

Canine

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxyphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

**BREED**

Jack Russell Terrier X

**ULTRASONOGRAPHIC FINDINGS**

- Left adrenal mass – suspect carcinoma, possibility of pheochromocytoma
- Minor polypoid gallbladder changes
- Geriatric abdomen otherwise

**SEX**

Neutered Male

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

If USG is <1.020, workup for adrenal dependent Cushing's would be warranted. Left adrenalectomy warranted. Blood pressure warranted. No evidence of metastatic disease.

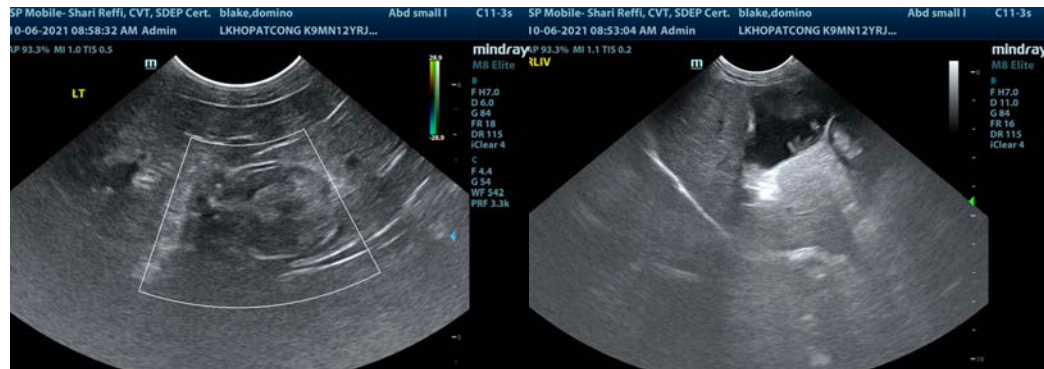
12 Years

**WEIGHT**

13.4 Pounds

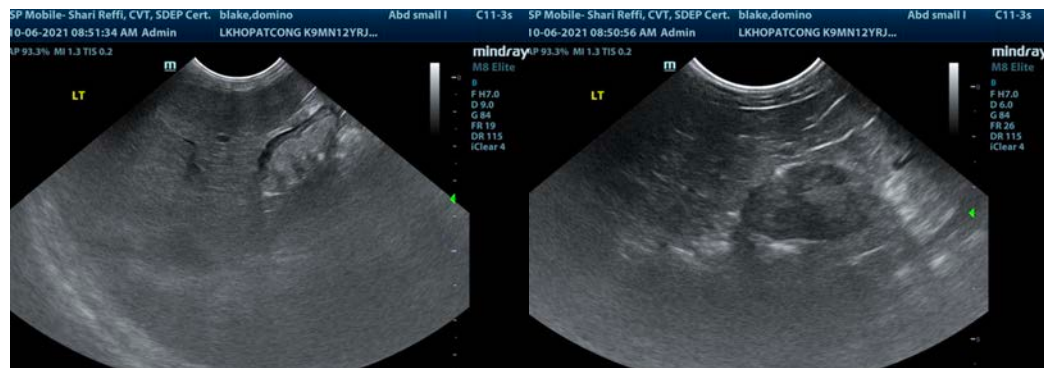
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**REFERRING VET**

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**BREED**

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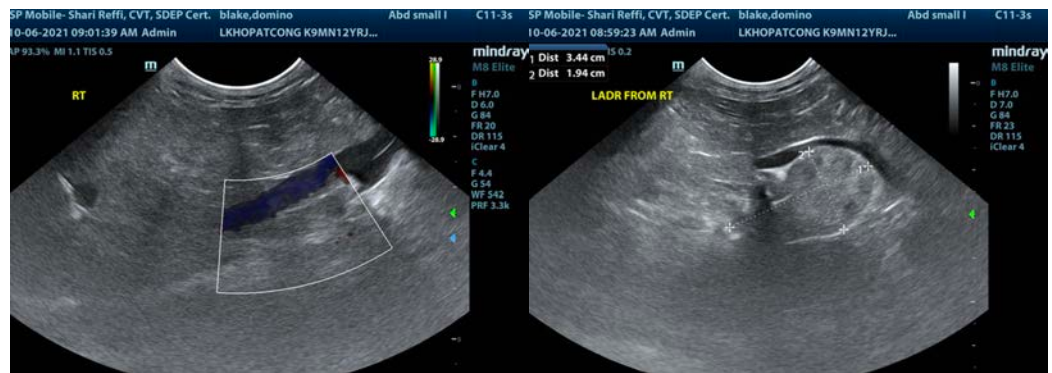
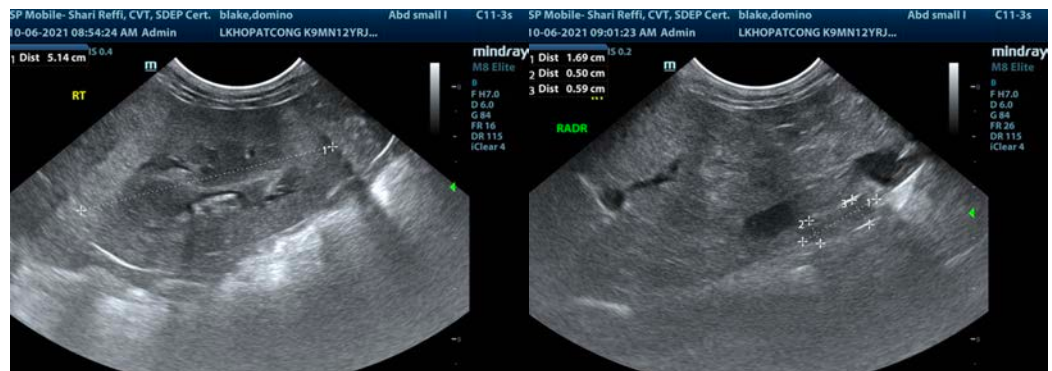
Dr. Batta

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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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