



**PATIENT**

Presto Mortimer

**PRESENTING CLINICAL SIGNS**

Albumin 2.0, ALT 152, ALKP 279

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**BREED**

Rottweiler

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**

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 this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Moderate mineralization was noted in the kidneys. The kidneys each measured 7.0 cm.

**AGE**

9 years

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**Adrenal Glands**

An extensive left-sided **adrenal** tumor was noted and measured 8.0 cm, yet invaded the vena cava. Beyond the diaphragm a 3.5 x 12 + cm mass was noted and extended into the right atrium. The right adrenal gland was unremarkable.

**IMAGING PERFORMED BY**

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**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.

**HOSPITAL NAME**

Franklin Lakes AH

**REFERRING VET**

Dr. Ward

**Liver**

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The **liver** was enlarged and heterogenous with multi-focal, nodular changes and passive congestion pattern. Coalescing nodules were noted in the caudate process. This is strongly suggestive for metastatic disease. The gallbladder was deviated.

**DATE**

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**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.



**PATIENT**

**Pancreas**

Presto Mortimer

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

**Free Abdomen**

**BREED**

Rottweiler

A moderate amount of ascites was noted. This is owing to passive congestion.

**SEX**

Neutered male

**Heart**

Rapid echocardiogram was performed. The tumor noted through the diaphragm entered into the right atrium, yet there was no evidence of pericardial effusion.

**AGE**

9 years

**ULTRASONOGRAPHIC FINDINGS**

Extensive left adrenal tumor invading into the vena cava to the level of the right atrium with subjective tachycardia noted.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

There is a strong suspicion of pheochromocytoma. Humane euthanasia should be considered.

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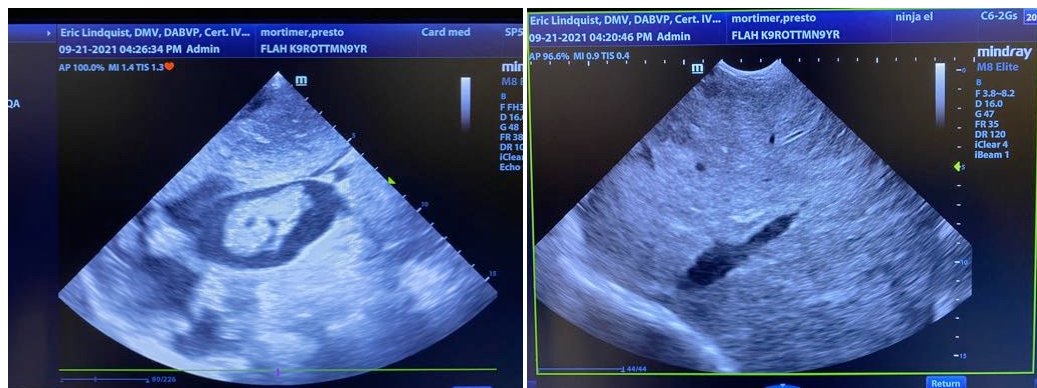
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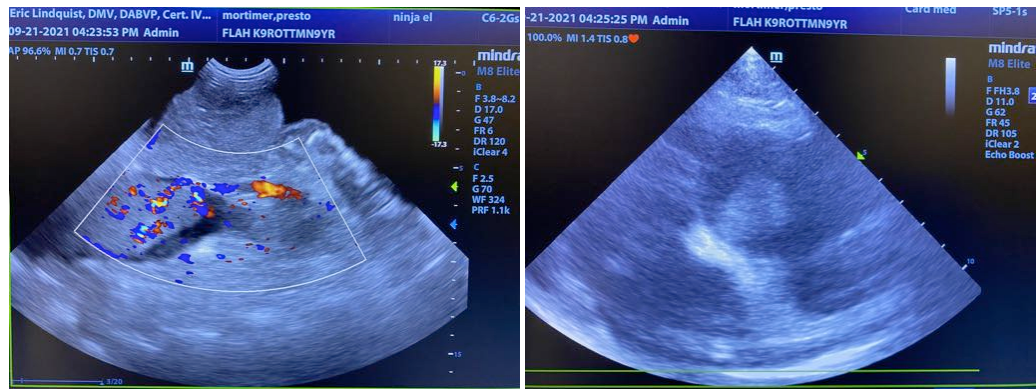
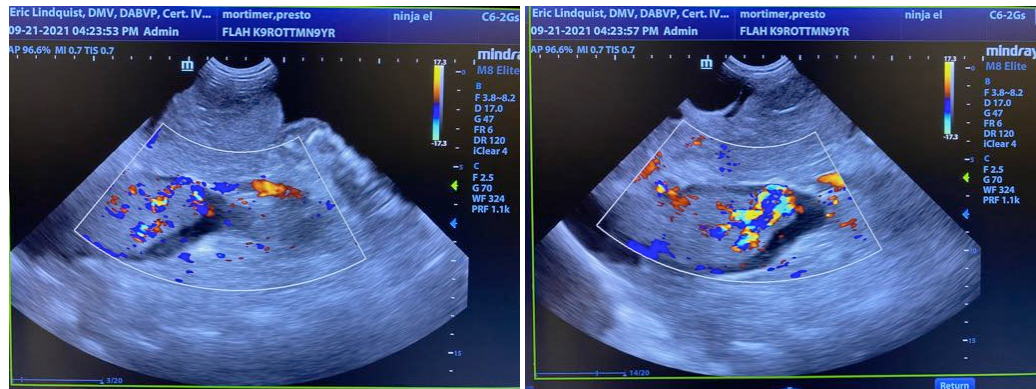
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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