



## PATIENT

Ty Howells

## SPECIES

Canine

## BREED

PitBull

## SEX

MI

## AGE

10yr

## WEIGHT

85.5lb

## INTERPRETED BY

R. McKenzie Daniel,  
DVM, DABVP  
(Canine and Feline)

## IMAGING PERFORMED BY

Harold Mike Beard

## HOSPITAL NAME

Animal Care Veterinary  
Center

## REFERRING VET

Dr Self

## INVOICE

24820

## DATE

05/13/2026

## PRESENTING CLINICAL SIGNS

Uncomfortable, low energy, pants a lot. Weak in the back end. RDVM palpated a tumor in the caudal abdomen and referred for AUS and FNA. History of cutaneous and subcutaneous mast cell disease, had a tumor removed with the spleen about a year ago.

Abnormal PE/Chem/CBC/UA Results: We have pale mucous membranes. Weak in the rear limbs. Chemistry normal. CBC thrombocytosis and a mild anemia, HCT 32. FNA was obtained from the tumor and sent with fluid for cytology.

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Anechoic urine was present in the lumen with no evidence of urine/lumen sediment, mineral, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 8.5 cm in length. The right kidney measured 7.2 cm in length. Possible mild underestimation of right kidney size.

The prostate was enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 4.2 cm in diameter. Multiple variably sized anechoic, thinly walled parenchyma cysts were present. An example measured ~ 1.0 cm diameter.

### Adrenal Glands

The right adrenal gland was not definitively visualized. The left adrenal gland was enlarged with non-homogenous non-mineralized parenchyma measuring 2.8 cm in diameter.

### Spleen

The spleen was not visualized owing to previous splenectomy.

### Liver/Gallbladder

The liver presented mildly enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. Normal vascular volume. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content. The cystic and common bile ducts were normal.

### Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.



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The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of mechanical/metabolic ileus, obstruction or foreign material.

Normal visible colon wall layers were present with apparent formed feces in lumen.

## SPECIES

Canine

### *Pancreas*

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

## BREED

PitBull

### *Free Abdomen*

A non-homogenous cavitated mass was present in the mid to caudal abdomen measuring ~ 8-9 cm in diameter.

## SEX

MI

Moderate volume echogenic effusion.

Regional non-homogenous hyperechoic omentum.

## AGE

10yr

No visualized significant or swollen mesenteric lymphadenopathy.

## ULTRASONOGRAPHIC FINDINGS

### Primary

- Cavitated abdominal mass
- Left adrenal mass
- Hepatomegaly
- Moderate volume peritoneal effusion
- Non-visualized spleen-previous splenectomy

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### Secondary

- Mild age-related renal changes
- Benign prostatic hyperplasia with prostatic cyst

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## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The unspecified mass is highly suggestive of metastatic criteria given patient history with alternative or primary neoplasia possible. Multi-centric neoplastic criteria is probable given abdominal mass, left adrenal mass, and peritoneal effusion which may indicate disseminated metastatic disease. Correlation with effusion analysis and pending cytology is recommended. Unfortunately, an unfavorable prognosis is indicated.

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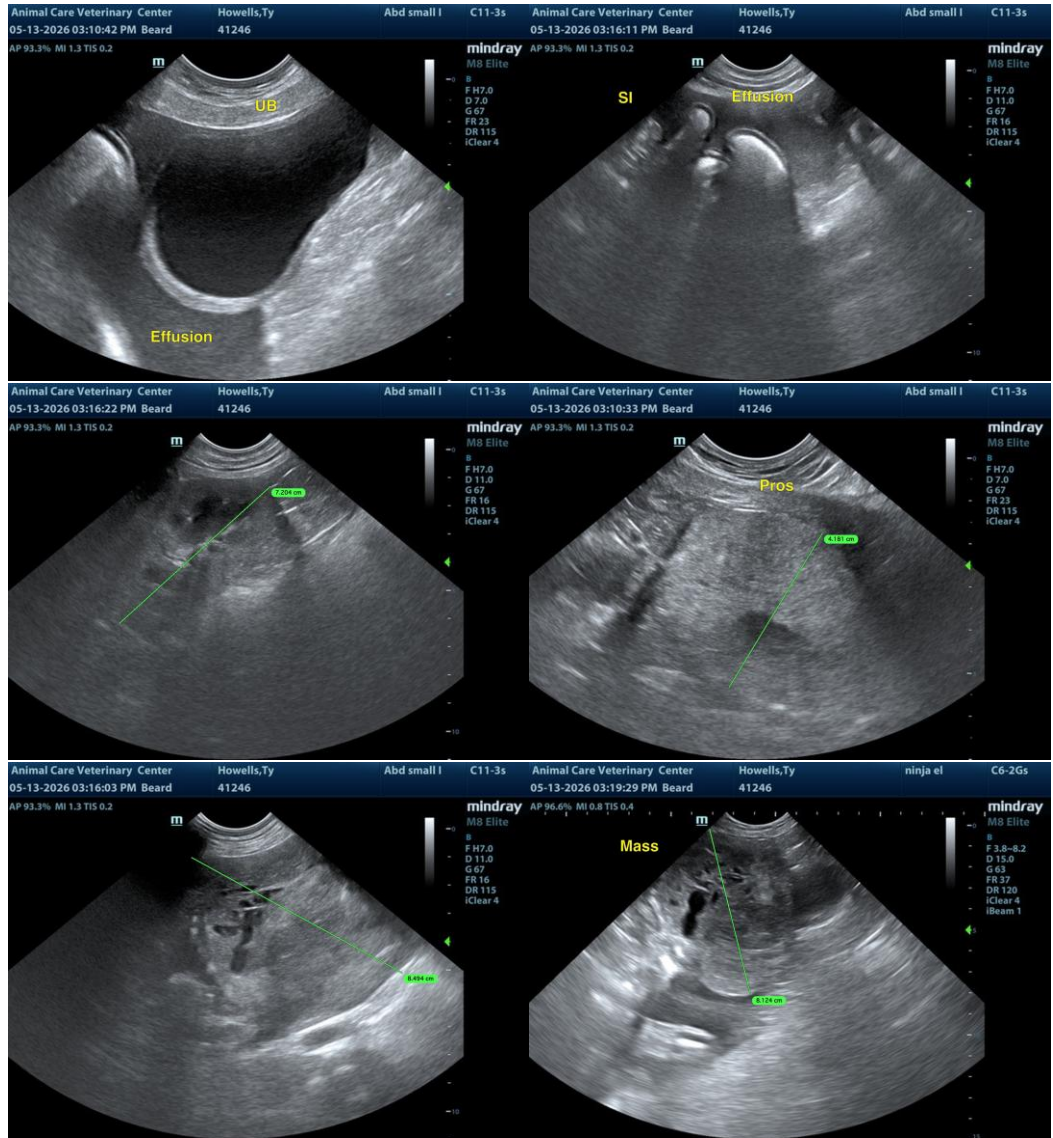
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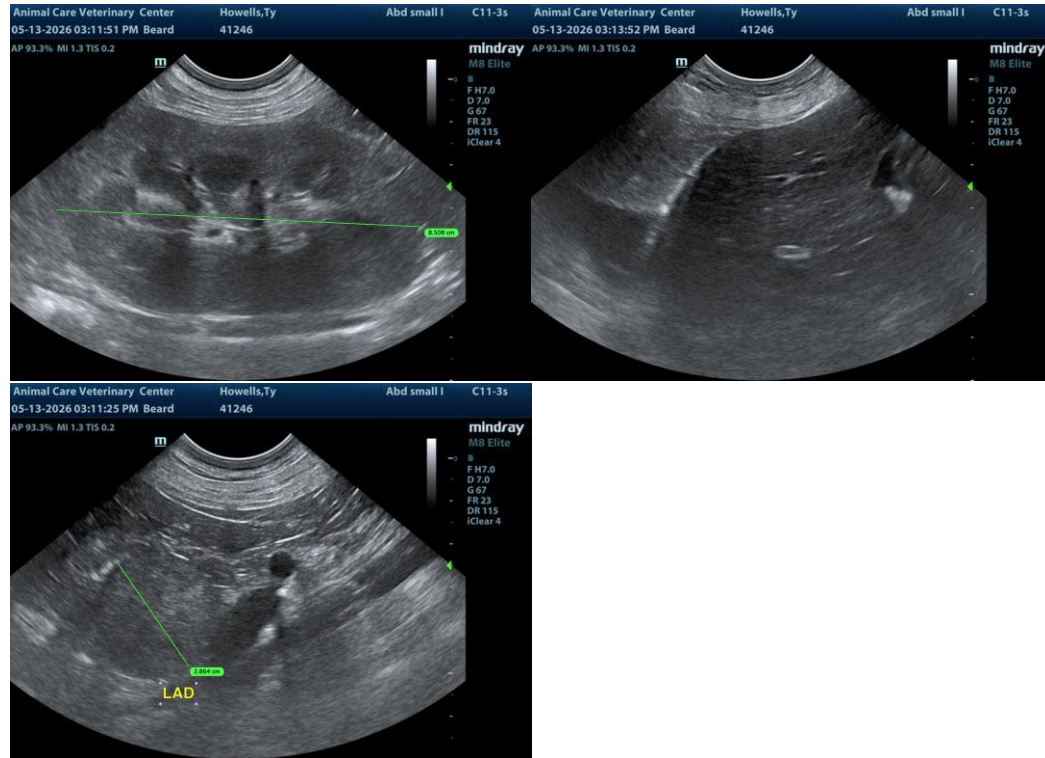
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)  
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