



**PATIENT**

Riley McLean

**PRESENTING CLINICAL SIGNS**

History: Dog has a tongue mass that requires surgical removal, Neoplasia suspected. Staging pre op. Patient was sedated for the ultrasound.

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: Pending

**BREED**

Akita Mix

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

*Urinary System*

The urinary bladder, trigone, and pelvic urethra are normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended. A scant amount of suspended, echogenic debris is observed within the lumen. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2 cm, are normal.

**SEX**

Male Neutered

The prostate is normal in size (1.38 cm in width) with a normal shape and smooth peripheral contours. The parenchyma is mildly heterogeneous in appearance with a few, ill-defined, hyperechoic areas. The prostatic urethra is not overtly dilated.

**AGE**

12 Years 3 months

The left kidney is normal size (5.42 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

**WEIGHT**

15.6 kgs.

The right kidney is normal size (5.68 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

**INTERPRETED BY**

Andrea Nicastro, DVM,  
Diplomate ACVIM  
(Small Animal Internal  
Medicine)

*Adrenal Glands*

The left adrenal gland is normal size (0.57 cm at cranial pole) (0.61 cm at caudal pole) (2.33 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

**IMAGING PERFORMED BY**

Dr. Barnes

The right adrenal gland is normal size (0.48 cm at cranial pole) (0.55 cm at caudal pole) (2.17 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

**HOSPITAL NAME**

Westview Veterinary  
Hospital

*Spleen*

The spleen is normal in size (1.57 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

**REFERRING VET**

Dr. Barnes

*Liver*

The liver is subjectively normal in size with normal contours and structure. There is appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative, or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of congestion. No pathological hepatic lymphadenopathy observed. The gall bladder lumen is moderately

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distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal/not seen.

## SPECIES

Canine

## Gastrointestinal

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is gas distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive disease is noted.

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Akita Mix

## Pancreas

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

## SEX

Male Neutered

## Free Abdomen

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

## AGE

12 Years 3 months

## ULTRASONOGRAPHIC FINDINGS

### Primary Findings:

- There is no obvious evidence of neoplasia in the abdomen.

## WEIGHT

15.6 kgs.

### Secondary Findings:

- Minor, age-related renal pathology.
- The prostatic parenchymal changes are most consistent with age-related remodeling. However, an early neoplastic process cannot be completely excluded.

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## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

1. Three-view thoracic radiographs are recommended if not already performed.
2. Consider repeat sonographic evaluation of the prostate in 4-6 weeks to assess for changes/progression.

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## REFERRING VET

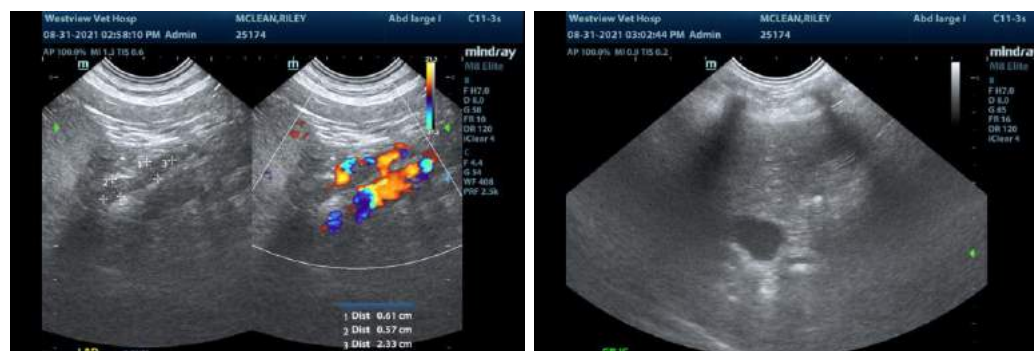
Dr. Barnes

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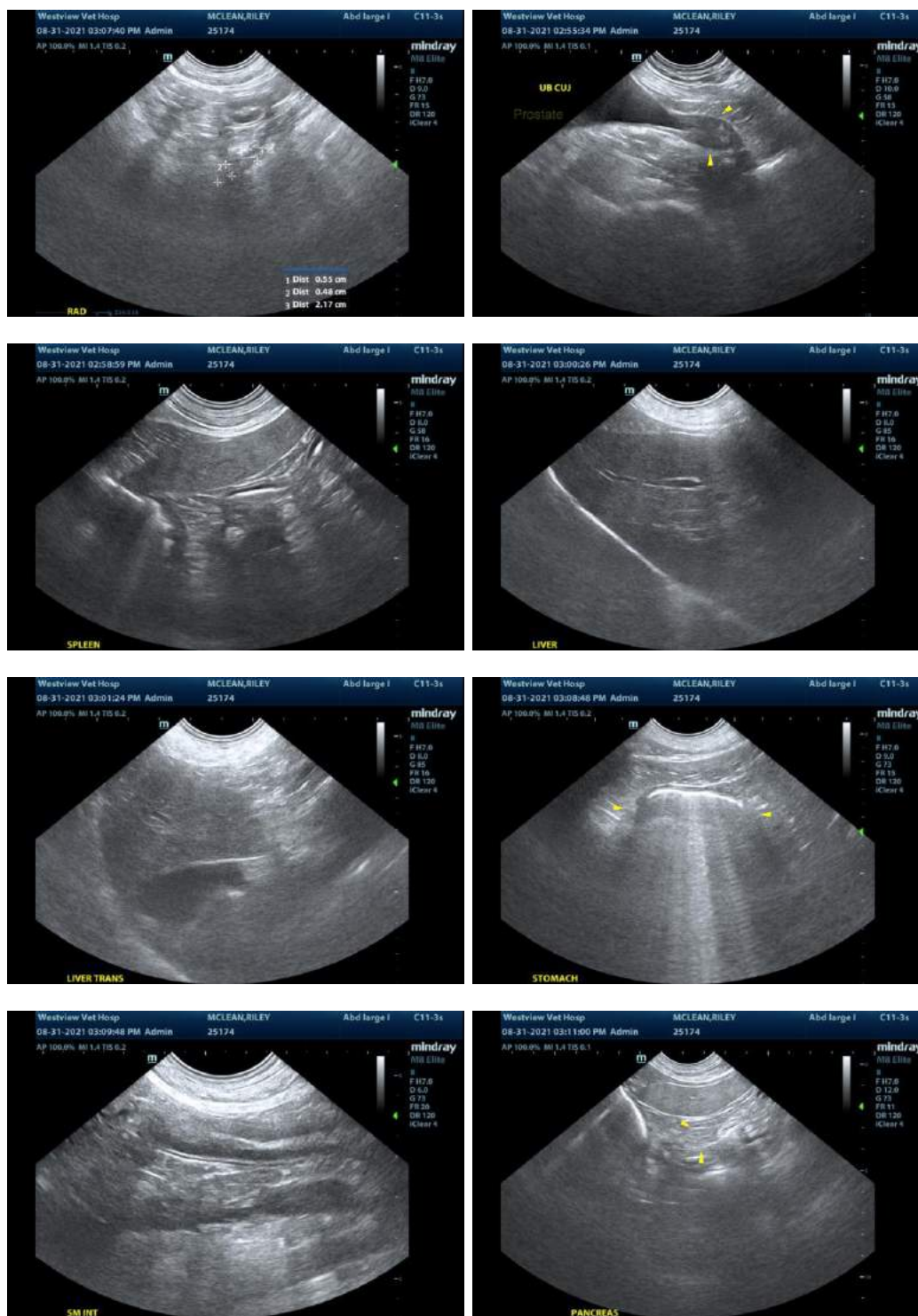
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)

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