



PATIENT PRESENTING CLINICAL SIGNS

Jez Clabeoo History: 1 month duration hematuria, PU, 5/9 transitional cells, WBC's on urinalysis

Abnormal PE/Chem/CBC/UA Results:

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

BREED

The urinary bladder was normal in size and tone. Extensive urinary bladder mass occupying the majority of the ventral, apical and dorsal bladder and extending into the trigone and area of the bladder neck was present. The mass exhibited variable wall thickening with nonhomogeneous mural echotexture and multiple areas of mural mineralization. Wall thickness measured 1.6 – 2 cm in width. Anechoic urine was present in the lumen with mild nondependent particulate sediment. The visualized urethra exhibited overtly normal structure and tone to a depth of 3 cm.

Pitbull

SEX

F

Normal size and margination was 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 6.2 cm in length. The right kidney measured 7.3 cm in length.

AGE

10 yr

The area of the aortic trifurcation was free of pathology.

WEIGHT

71.5 lb

No overt evidence of pathology in the area of the uterus or bilateral ovaries.

Adrenal Glands

INTERPRETED BY

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

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.74 cm width at the caudal pole and 0.56 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.82 cm width at the caudal pole and 2.6 cm length.

Spleen

IMAGING PERFORMED BY
 Rebekah Jakum, CVT
 ARDMS/RVT

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease.

HOSPITAL NAME

Maple Hills VH

Liver

REFERRING VET

Dr. Eckman

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion.

INVOICE

10602ag

The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

Gastrointestinal

DATE
 05/13/2022

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.



PATIENT

Jez Clabeoo

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 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

No overt lymphadenopathy or peritoneal effusion was present.

SEX

F

ULTRASONOGRAPHIC FINDINGS

- Extensive UB mass exhibiting multifocal areas of mineralization
- Mild age-related kidneys

AGE

10 yr

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

71.5 lb

Although sampling or biopsy is required for definitive diagnosis, the UB mass is consistent with neoplastic criteria with likely transitional cell carcinoma until proven otherwise. No overt evidence of regional metastasis. A screening BRAF assay could be considered. Urine cytospin cytology for further assessment of the transitional calls could also be considered. Significant chronic cystitis is considered a less likely differential diagnosis. Given the nature of the mass surgical options are precluded. Oncology consult could be considered.

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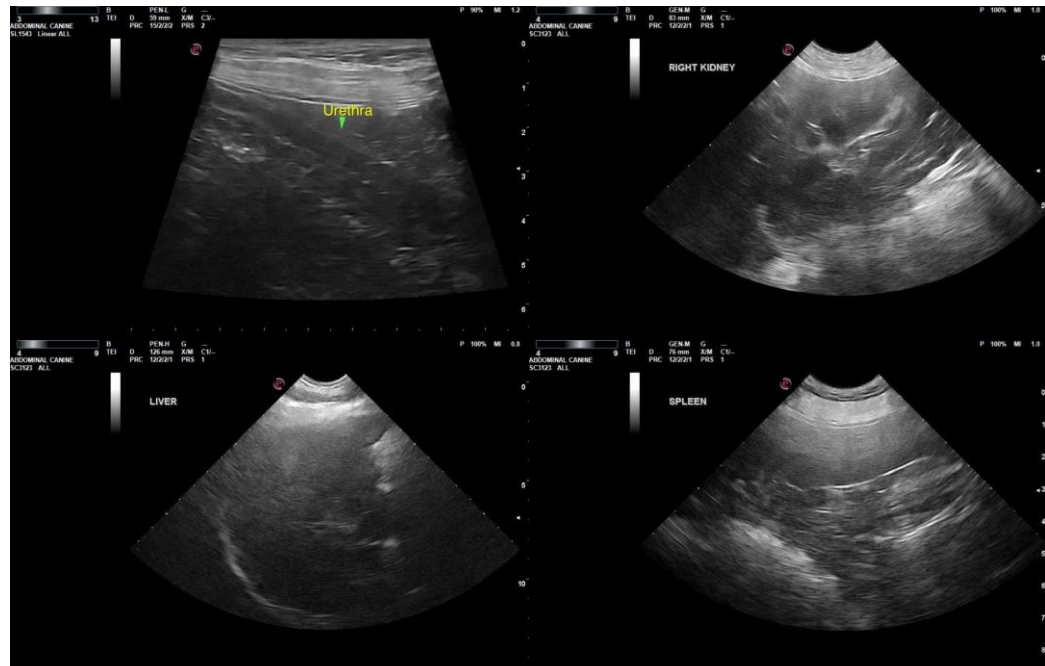
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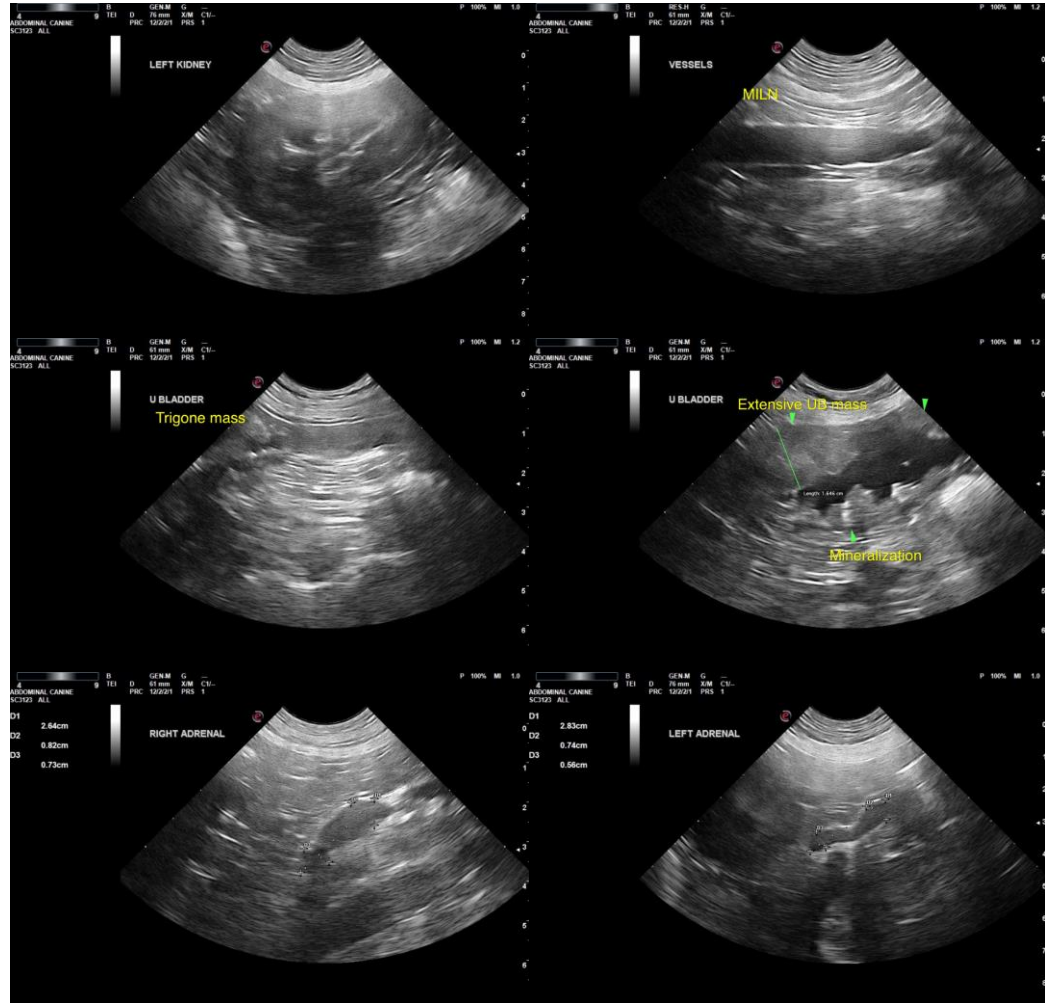
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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