



PATIENT PRESENTING CLINICAL SIGNS

Loosie Chow hematuria for 1 month not resolving on antibiotics

SPECIES *Urinary System*

Canione A sessile based mass with asymmetrical margination involving the majority of the apical urinary bladder wall, appearing to primarily originate from the ventroapical urinary bladder wall, was present and measured approximately 4.0 cm x 3.0 cm. Concurrent urethral mass was also present, measuring approximately 3.0-4.0 cm in length x 0.4 cm width. The parenchyma of the mass was heterogeneous with focal echogenic foci and pinpoint mineralization. Doppler evaluation of the mass confirmed blood flow within the mass. Anechoic urine was otherwise present in the lumen. The ureteral papillae were normal. The ureters were not visible which is normal.

BREED

Border Colie Mix

SEX

FS

The area of the aortic trifurcation was free of pathology.

AGE

11 years

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 6.8 cm in length. The right kidney measured 6.5 cm in length.

WEIGHT

47.9 lbs.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.6 cm length x 0.78 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 2.7 cm length x 0.8 cm width at the caudal pole.

INTERPRETED BY

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

Spleen

IMAGING PERFORMED BY

Loetitia Saint-Jacques, 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

Donner Truckee VH

Liver/ Gallbladder

REFERRING VET

Dr. India Vannini

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

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Gastrointestinal

DATE

12/4/21

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate, echogenic, progressively shadowing ingesta, likely consistent with recent meal ingestion.



PATIENT

Loosie Chow

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

Pancreas

Canione

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 were evident.

BREED

Border Colie Mix

Free Abdomen

Focal, medial iliac lymph node was present. The lymph node was essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). The medial iliac lymph node measured 0.50 cm diameter. This is not consistent with inflammatory or neoplastic / metastatic criteria.

SEX

FS

AGE

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ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Apical urinary bladder mass with concurrent proximal urethral mass - consistent with transitional cell carcinoma
- Mild age-related kidneys, no evidence of pyelectasia
- Focal minor subjectively benign medial iliac lymphadenopathy

WEIGHT

47.9 lbs.

INTERPRETED BY

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DABVP (Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Screening BRAF Assay may be considered. Given the size of the mass occupying the majority of the apical wall, as well as the concurrent urethral mass, surgical options are precluded in this case. Oncology consultation is recommended. Empirically, Piroxicam trial +/- analgesia If evidence of stranguria or pollakiuria would be warranted. No overt evidence of regional metastasis, nor evidence of urethral obstruction at this time. If conservative therapy is elected, periodic sonographic monitoring of the urinary bladder and urethral mass is recommended, sooner if clinical signs consistent with decreased urine outflow are noted.

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HOSPITAL NAME

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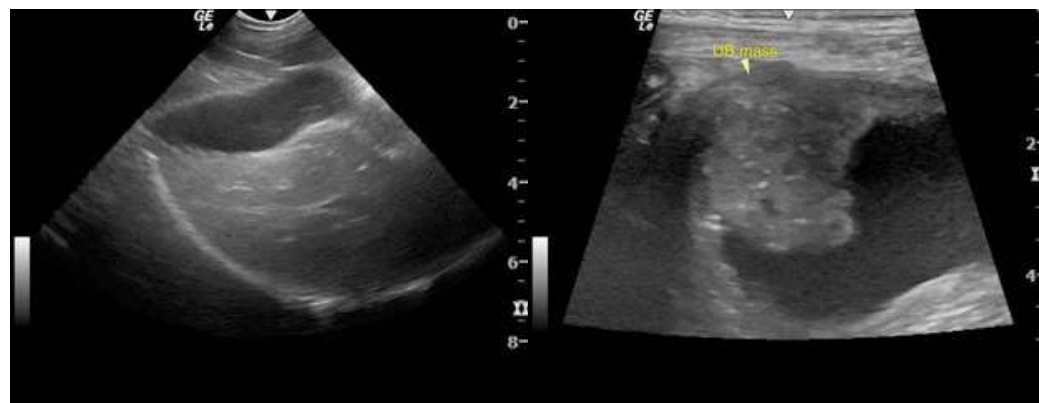
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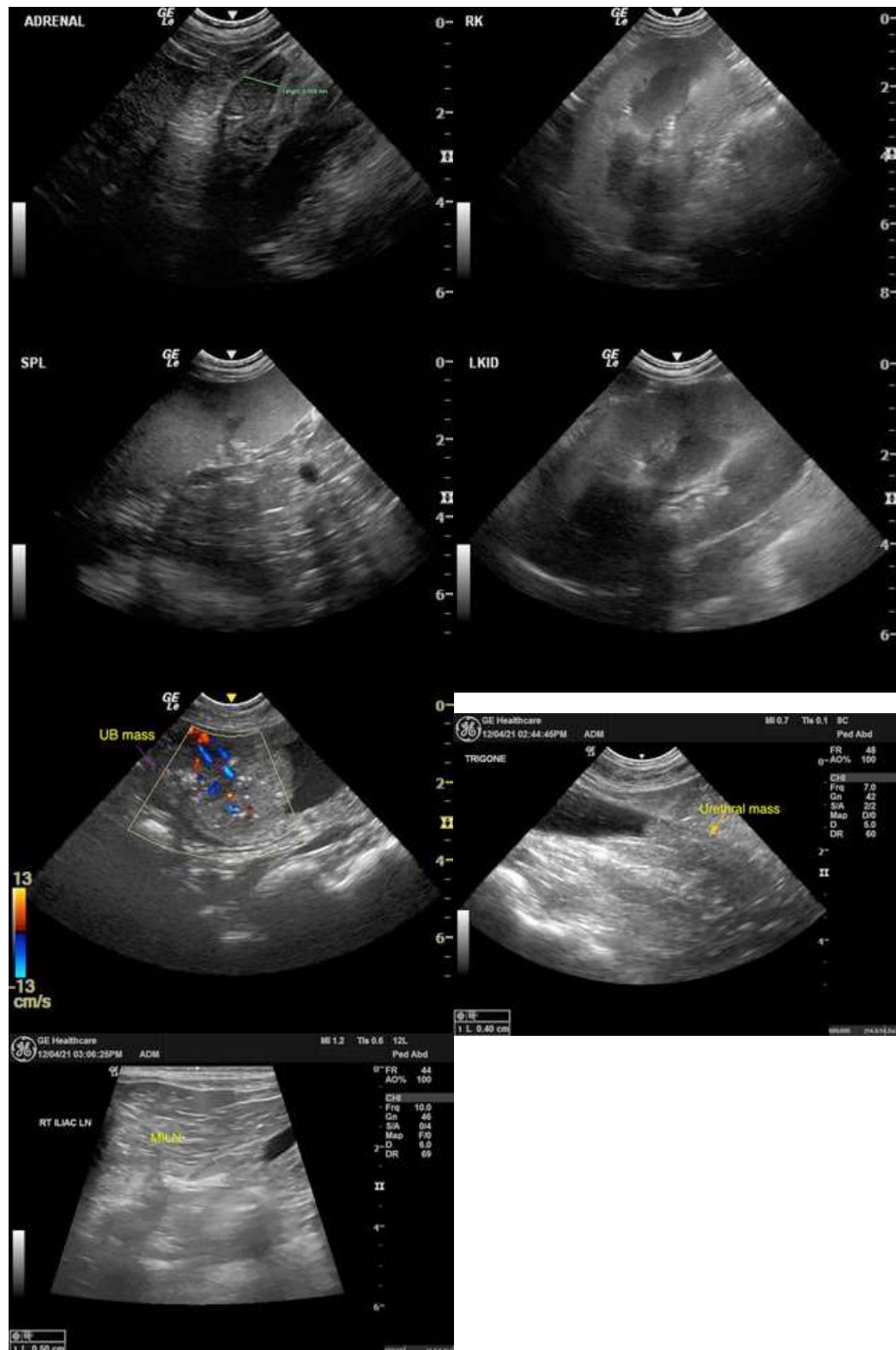
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PATIENT

Loosie Chow

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.

SPECIES

Canione

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.

BREED

Border Colie Mix

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com

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