

PATIENT PRESENTING CLINICAL SIGNS

Birdie Masciarelli History: Gross hematuria.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SPECIES

Canine

Urinary System

The urinary bladder presented uniformly thickened urinary bladder wall isoechoic to the adjacent normal urinary bladder wall. The luminal margin of the thickened urinary bladder wall was mildly asymmetrical in contour. Urinary bladder wall thickness measured 0.40 cm. Mineralization or echogenic foci within the thickened areas of urinary bladder wall was not present. The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal tone to a depth of 4 cm. Anechoic urine was present in the lumen with moderate nondependent to mildly congealed particulate to mildly hyperechoic sediment that appeared to be mobile. The ureteral papillae were normal. The ureters were not visible which is normal.

BREED

Mixed

SEX

MN

AGE

15 yr

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

WEIGHT

15.7 kg

The right kidney exhibited an expansive to nonhomogeneous regionally hypoechoic to cystic appearing mass measuring approximately 4 cm in diameter. The mass appeared to distort the associated parenchyma and the renal capsule. Focal areas of medullary mineral and subtle evidence of right retroperitoneal inflammation were present.

The area of the aortic trifurcation was free of pathology.

INTERPRETED BY

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

The area of the residual prostate was free of pathology measuring 0.95 cm in diameter.

Adrenal Glands

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 0.66 cm width in the cranial pole and 0.67 cm width in the caudal pole. The right adrenal gland measured 1.1 cm width in the caudal pole.

IMAGING PERFORMED BY

Dave Stasiuk

Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. 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. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

HOSPITAL NAME

Resolution Veterinary
Ultrasound

REFERRING VET

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Liver

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

10892ag

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

DATE

06/21/2022



PATIENT

Gastrointestinal

Birdie Masciarelli

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild ingesta/chyme with no signs of ileus, obstruction or foreign material.

SPECIES

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.

Canine

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

BREED

Pancreas

Mixed

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.

SEX

Free Abdomen

MN

No overt lymphadenopathy or peritoneal effusion was present.

AGE

15 yr

ULTRASONOGRAPHIC FINDINGS

WEIGHT

15.7 kg

- Right kidney mass
- Cystitis pattern with moderate nondependent to congealed mobile sediment-likely cellular debris/protein or blood clot
- Mild hepatic parenchyma remodeling
- Mild gallbladder debris (non-mucocele)

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DVM, DABVP
(Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The hematuria in this patient is likely associated with the right kidney mass. No overt evidence of urinary bladder or residual prostate neoplastic criteria was observed. Although sampling is required for further assessment, the right kidney mass is most consistent with neoplastic criteria i.e. carcinoma, sarcoma, lymphoma or other. Overt evidence of intra-abdominal metastasis was not noted however the possibility of regional peri nephric omental seeding cannot be excluded. Assuming normal clotting status, an ultrasound guided FNA of the right kidney mass for screening cytology and oncology consult could be considered.

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Three view chest radiographs are recommended if not already done.

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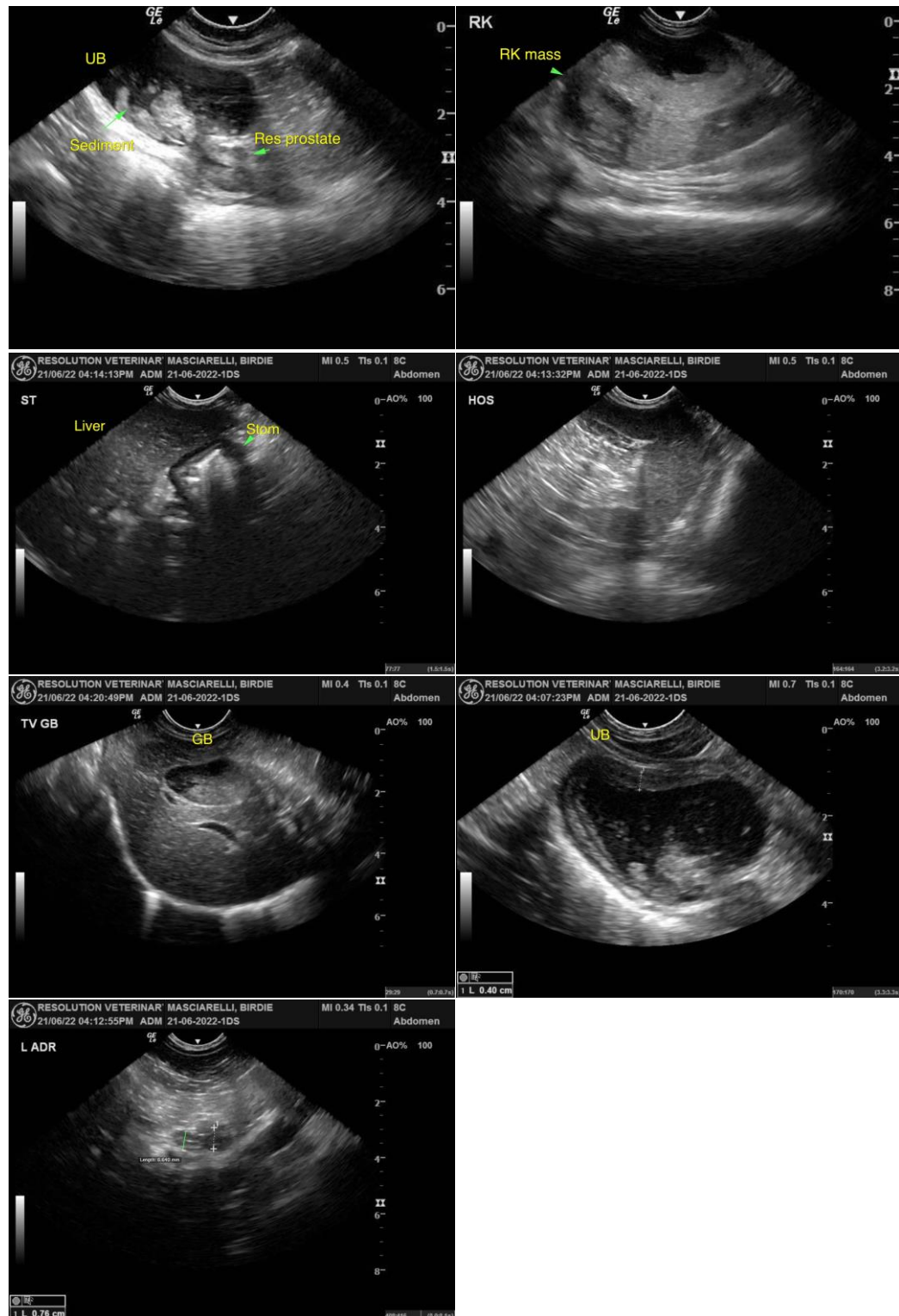
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



PATIENT

Birdie Masciarelli

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)

SPECIES

info@SonoPath.com

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