



PATIENT PRESENTING CLINICAL SIGNS

Max Pugliese History: Concern for urinary bladder thickening/mass
 Medication: Amoxicillin, Galliprant

SPECIES

Canine

Urinary System

BREED

Poodle Mix

The urinary bladder was mildly distended in size with primarily anechoic content with mild nondependent particulate sediment. The cystourethral junction and proximal pre-prostatic urethra were asymmetrically thickened in appearance exhibiting nonhomogeneous mural echogenicity and with evidence of mural mineralization. The area of cystourethral junction and proximal urethral thickening measured approximately 3.0 cm in length x 1.0 cm width.

SEX

Neutered Male

The residual prostate concurrently was enlarged in size with mildly nonhomogeneous parenchyma exhibiting pinpoint areas of mineralization. The residual prostate measured 4.0 cm x 3.0 cm.

AGE

12 years

The area of the iliac trifurcation was free of overt pathology, including no evidence of medial iliac or sublumbar lymphadenopathy.

WEIGHT

31.6 Pounds

Normal size and margination were present in the left kidney. 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 5.6 cm in length. Moderate hydronephrosis was present in the right kidney. Concurrent mild right hydroureter was also present exiting the right kidney. The right kidney measured 5.8 cm in length. The proximal right ureter measured 0.45 cm width.

INTERPRETED BY

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

Adrenal Glands

IMAGING PERFORMED BY

Rebekah Jakum, CVT
 ARDMS/RVT

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.65 cm width at the caudal pole and 0.46 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 0.61 cm width at the caudal pole and 0.50 cm width at the cranial pole.

HOSPITAL NAME

Pocono Peak VC

Spleen

REFERRING VET

Dr. Carney

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.

INVOICE

13181

Liver/ Gallbladder

DATE

1.26.2022

The liver presented 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. 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



PATIENT

Max Pugliese

congestion. The gallbladder was non-distended in size with mild gallbladder debris. The cystic and common bile ducts were normal.

Gastrointestinal

SPECIES

Canine

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.

BREED

Poodle Mix

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.

SEX

Neutered Male

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 were evident.

AGE

12 years

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

WEIGHT

31.6 Pounds

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Urinary bladder neck and proximal urethral mineralized mass extending to involve the residual prostate
- Secondary moderate right hydronephrosis and mild right hydroureter - likely obstruction at level of right ureteral papilla
- Mild age-related left kidney - no evidence of concurrent hydronephrosis
- Hepatomegaly - subjectively benign
- Mild gallbladder debris (non-mucocele)

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REFERRING VET

Dr. Carney

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The urinary bladder neck and proximal urethral mass involving the prostate was most consistent with neoplastic criteria. Primary consideration for urothelial or transitional cell carcinoma, although potential for primary prostatic neoplasia such as adenocarcinoma involving the proximal urethra and urinary bladder neck may be possible. Unfortunately, this does not appear to be amendable to surgical resection.

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Some degree of partial obstruction to urinary outflow may be possible. Stint placement could be considered in this patient if clinically indicated. Screening BRAF Assay Is recommended. Empirically, NSAID trial (Piroxicam or other), with as-needed analgesia and monitoring of urinary output, as well as sonographic monitoring may be considered. No overt evidence of regional metastasis was noted.

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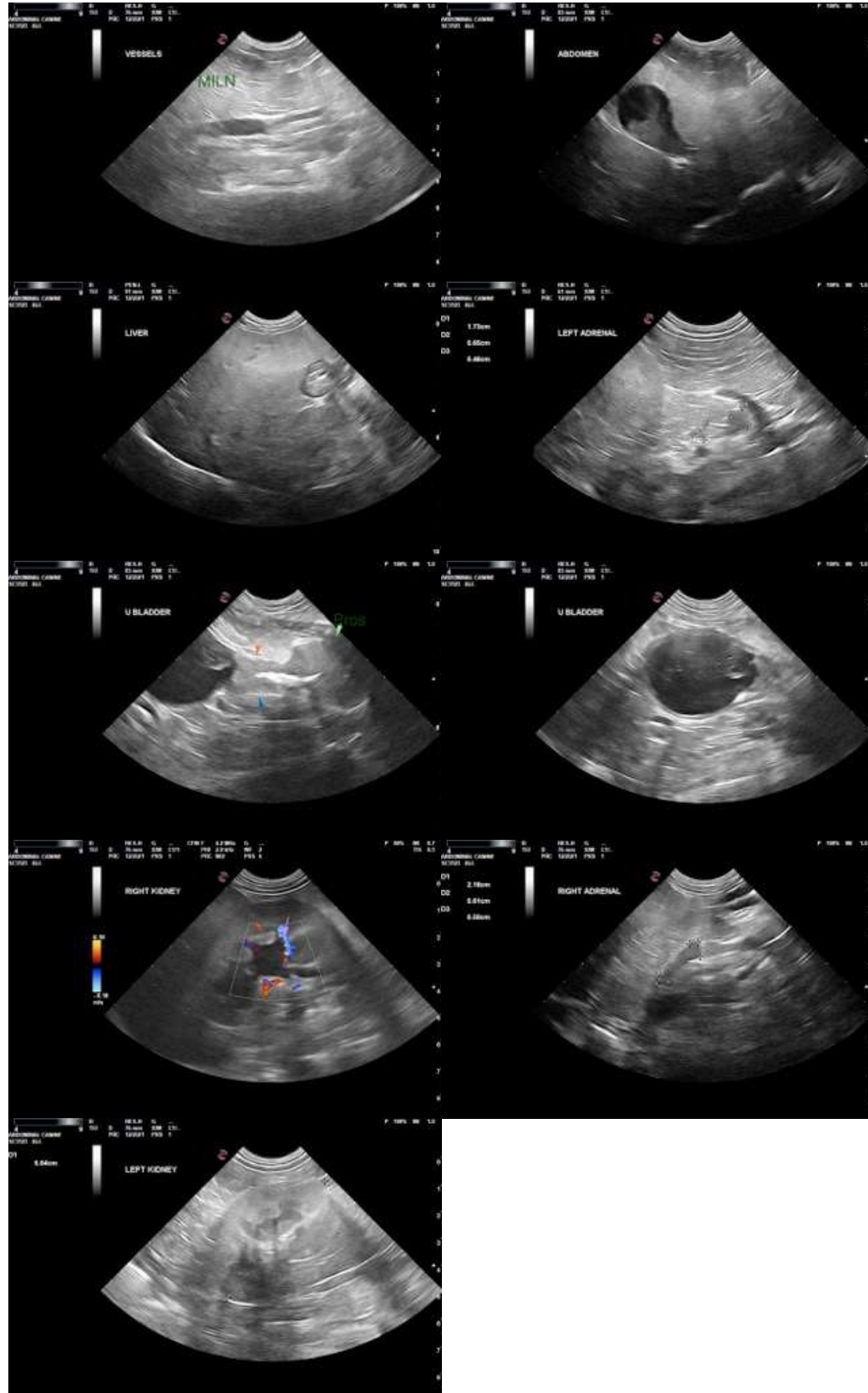
Dr. Carney

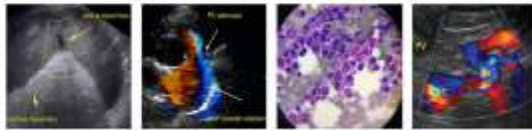
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SPECIES

Canine

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.

BREED

Poodle Mix

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.

SEX

Neutered Male

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AGE

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WEIGHT

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