



PATIENT PRESENTING CLINICAL SIGNS

Jake McLeod Grade II-III/VI heart murmur. Cryptorchid, umbilical hernia. Mass in inguinal area - ? testicle. Grade 4 dental disease. Having bi-cavity ultrasound exams. FNA of inguinal mass taken at time of ultrasound

SPECIES Abnormal PE/Chem/CBC/UA Results: trig 294, platelet count 720, lymph 34, urine pH 8.5, urine protein 2+, WBC 2-3, struvite crystals 4-10

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED *Urinary System*

Maltese Mix The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

SEX

MI

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 4.0 cm in length. The right kidney measured 3.8 cm in length.

AGE

10yr

WEIGHT

13.6lb

Intermittent mildly prominent to enlarged medial iliac nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). An example measured 1.0 cm x 0.4 cm.

INTERPRETED BY

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

The prostate was enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 3.0 cm x 1.4 cm.

Adrenal Glands

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.4 cm width at the caudal pole and 0.4 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 0.43 cm width at the caudal pole and 0.42 cm width at the cranial pole.

HOSPITAL NAME

Rhode Island Animal Medical Center

Spleen

The spleen exhibited normal size with minor medial capsule asymmetry and generalized mild parenchymal heterogeneity. A solitary non-disruptive hypoechoic nodule was present in the lateral spleen measuring 0.76 cm in diameter. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis.

REFERRING VET

Rachel Rogoff, DVM

Liver/Gallbladder

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. 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 with mild echogenic sediment. The cystic and common bile ducts were normal.

INVOICE

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DATE

08/20/2023

Gastrointestinal



PATIENT

Jake McLeod

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.

SPECIES

Canine

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.

BREED

Maltese Mix

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.

SEX

MI

No peritoneal effusion was present. No obvious omental lymphadenopathy.

AGE

10yr

A spherical mildly hypoechoic non-homogenous solid mass was present in the caudal abdomen measuring ~ 5.5 cm x 2.5 cm. Blood flow was confirmed within the mass on color Doppler.

ULTRASONOGRAPHIC FINDINGS

- Mass in the subjective caudal abdomen, most consistent with retained testicular neoplastic criteria.
- Sonographically unremarkable urinary bladder.
- Mild benign prostatic hyperplasia.
- Mild sonographically benign/reactive medial iliac lymphadenopathy.
- Non-specific non-disruptive splenic nodule-suggestive of benign criteria hyperplasia, hematopoiesis, focal splenitis or similar.
- Mild chronic renal changes.
- Mild gallbladder sediment.

WEIGHT

13.6lb

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Assuming normal clotting status, a probable retained testicular mass FNA for screening cytology is warranted for further assessment. CT is likely ideal for further clarification of the mass, potential non-sonographically evident metastasis and surgical planning.

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

Three view chest radiographs are recommended if not done to assess for occult thoracic pathology. If CT is not possible and assuming no evidence of pathology on thoracic radiographs, exploratory laparotomy with gross inspection of the mass and resection is warranted.

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 Medical Center

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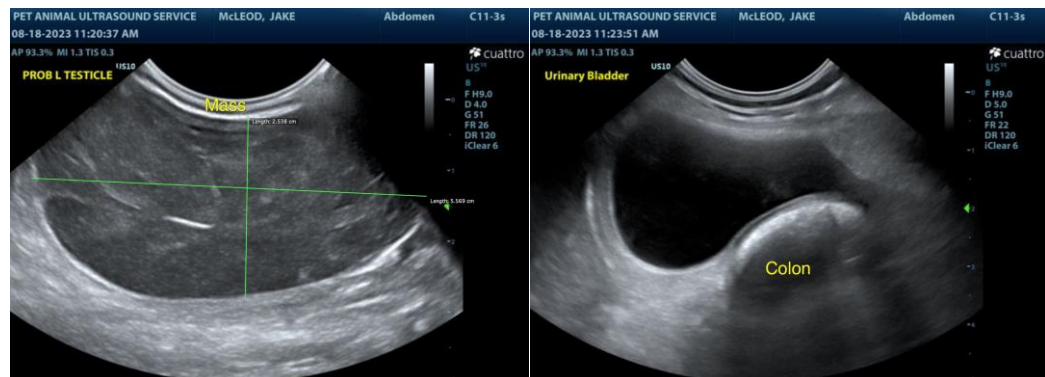
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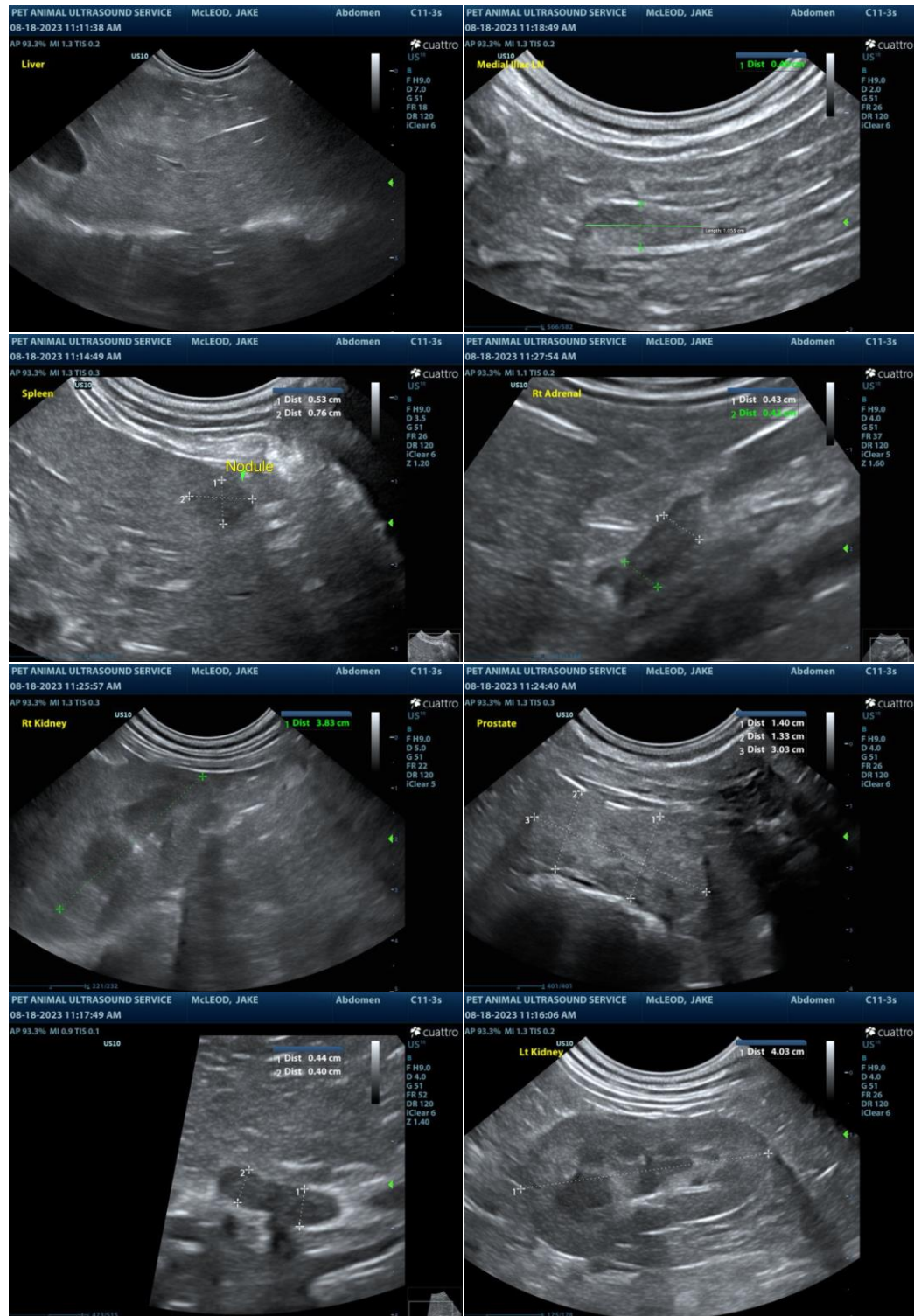
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.



PATIENT

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

Jake McLeod

info@SonoPath.com

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SEX

MI

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