



PATIENT PRESENTING CLINICAL SIGNS

Jake Mongiello Right rectal swelling 1 month, occasional difficulty defecating, large mass caudal abdomen, firm on palpation, no urinary symptoms Miralax

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

BREED The urinary bladder visualization was limited owing to adjacent presentation and similar appearance to the large cystic structure at the level of the bladder.

Golden Retriever

SEX

M

The prostate exhibited subjective severe enlargement measuring approximately 10-11 cm x 5-6 cm although the entire prostate would not fit into a single viewing window. Nonhomogeneous to mixed echogenic parenchyma was noted with suspected multiple intraparenchymal to peripheral thinly walled cysts. A large multifocal to potentially compartmentalized cystic structure cranial to the prostate at the level of the urinary bladder measuring approximately 10 cm x 6 cm was present. This cystic structure was thinly walled containing anechoic fluid.

AGE

2010

The area of the aortic trifurcation was free of pathology.

WEIGHT

81

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 6.7 cm in length. The right kidney measured 7.3 cm in length.

INTERPRETED BY

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

The right testicle was sonographically unremarkable measuring 2.9 cm in diameter. The left testicle was overtly normal in size measuring 3.3 cm in diameter. Several variably echogenic left testicle nodules were present, an example measuring 1.1 cm in diameter.

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 0.62 cm width at the caudal pole and 0.53 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 0.55 cm width at the cranial pole.

Spleen

HOSPITAL NAME

White Haven VH

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.

REFERRING VET

Dr. Dengler

Liver/ Gallbladder

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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. The cystic and common bile ducts were normal.

DATE

5/4/22



PATIENT *Gastrointestinal*

Jake Mongiello 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 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*

Golden Retriever 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.

SEX *Free Abdomen*

M No overt lymphadenopathy or peritoneal effusion was present.

AGE **ULTRASONOGRAPHIC FINDINGS**

2010

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- Nonspecific left testicular nodules
- Severe prostatomegaly exhibiting nonhomogeneous parenchyma with probable peripheral cysts
- Large cystic structure cranial to the prostate at the level of the urinary bladder-consistent with large multifocal para prostatic cyst
- Overt normal bilateral kidneys and urinary bladder

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Potential for an unspecified cystic structure/lesion not associated with the prostate is possible yet thought less likely given the overall prostatic presentation. Severe chronic benign hyperplasia or prostatitis is possible with neoplastic criteria considered less likely. An ultrasound guided centesis of the cystic structure with potential for surgical or percutaneous drainage excision or possible omentalization if complete removal is not possible is likely indicated. Fluid analysis +/- C/S if evidence of inflammatory cells is suggested. Neutering at time of surgery with submission of the testicles for histopathology is recommended. Empirical therapy for prostatitis could be considered if clinically indicated.

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ARDMS/RVT

HOSPITAL NAME

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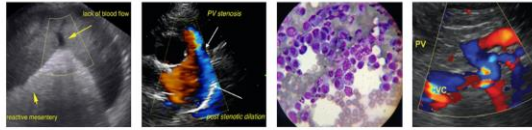
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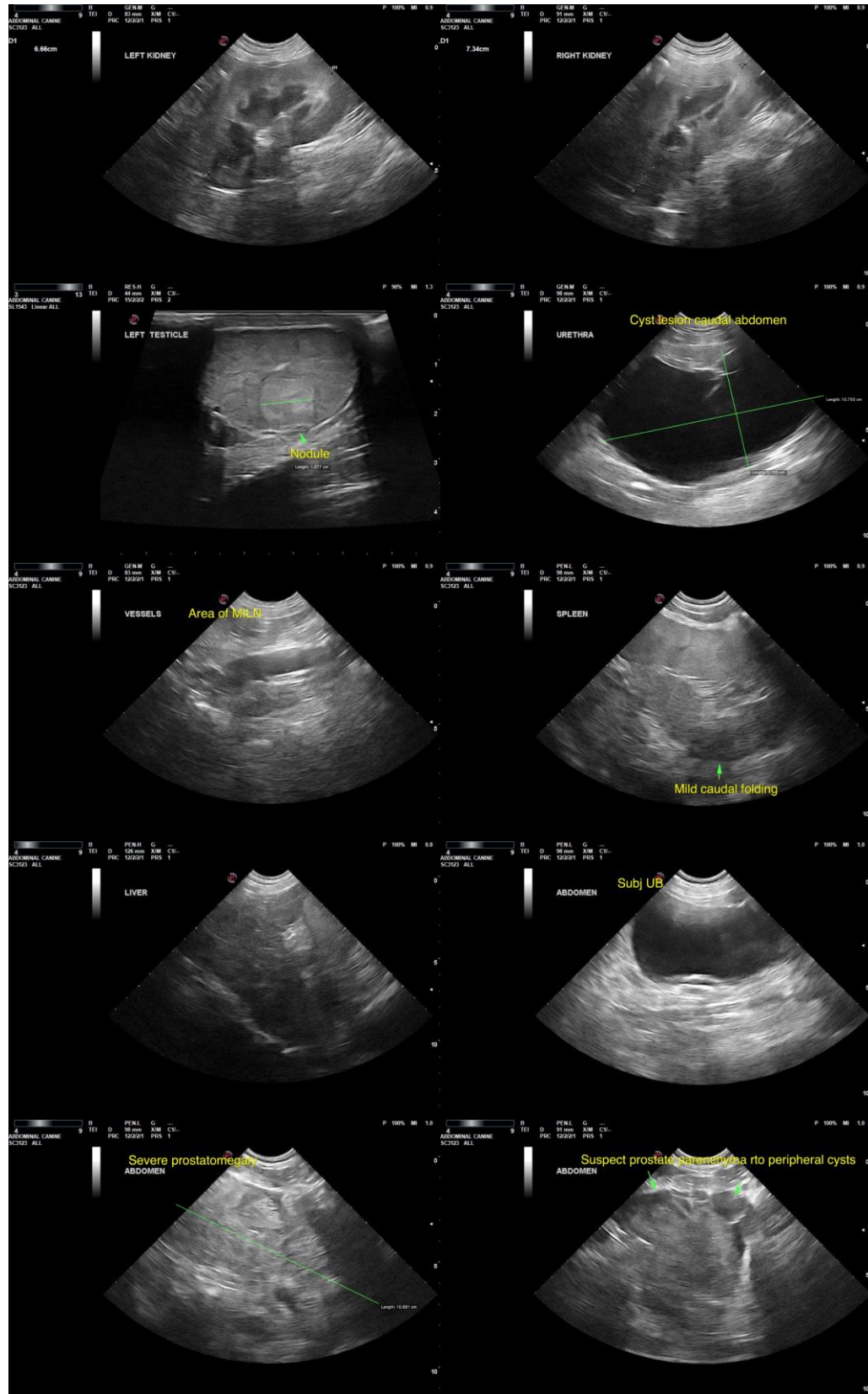
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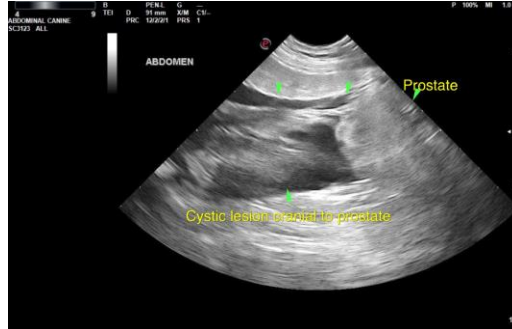
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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