

**PATIENT**

Wellston Kuss

SPECIES

Canine

BREED

Golden Retriever Mix

SEX

MN

AGE

10 years

WEIGHT

100 lbs.

INTERPRETED BYR. McKenzie Daniel,
DVM, DABVP (Canine
and Feline)**IMAGING
PERFORMED BY**

Sarah Pender, CVT

HOSPITAL NAMESVS Imaging
Michigan**REFERRING VET**

Milford VC

INVOICE

13939

DATE

5/24/22

PRESENTING CLINICAL SIGNS

Possible trauma, patient has been slightly lethargic with no other clinical signs. Abdominal rads showed loss of detail.

Abnormal PE/Chem/CBC/UA Results: X-rays showed bloated abdomen. Decreased lymphocytes and increased bilirubin.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**Urinary System**

The urinary exhibited lack of urine distention which prohibited full evaluation of the urinary bladder walls. 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. The ventroapical urinary bladder wall thickness measured 0.63 cm. Mineralization or echogenic foci within the thickened areas of urinary bladder wall were not present. The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal tone. Mild anechoic urine was present in the lumen with no uroliths, sediment, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal.

No overt pathology was noted in the area of the residual prostate.

The area of the aortic trifurcation was free of pathology.

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 7.5 cm in length. The right kidney measured 7.5 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.69 cm width at the caudal pole and 0.82 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 0.57 cm width at the caudal pole and 0.64 cm width at the cranial pole.

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present. A solitary to potential intermittent, well-demarcated hyperechoic nodules primarily in the medial parenchyma around the hilus were noted. These nodules were consistent with benign myelolipomas and incidental. 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.

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Liver/ Gallbladder

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 minor gallbladder debris. The gallbladder was otherwise normal. The cystic and common bile ducts were normal.

Gastrointestinal

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.

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.

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.

Free Abdomen

No evidence of omental masses, lymphadenopathy or peritoneal free fluid was present. Subjective increased amount of intraabdominal fat was present. No overt evidence of intraabdominal lipomas.

ULTRASONOGRAPHIC FINDINGS

- Possible mild cystitis
- Mild age-related kidneys
- Minor hepatic parenchymal remodeling - benign
- Minor gallbladder debris - non-mucocele
- Focal to intermittent benign splenic nodules

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overall, largely mild geriatric abdomen without evidence of significant visceral pathology or evidence of intraabdominal trauma.

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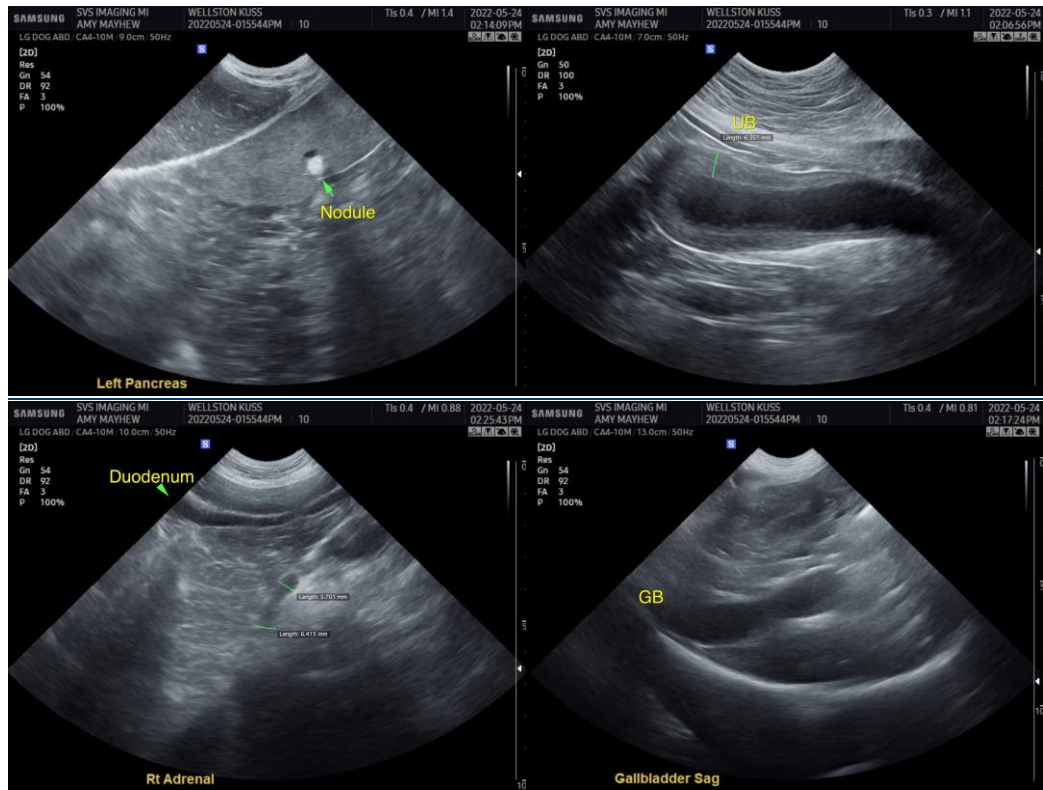
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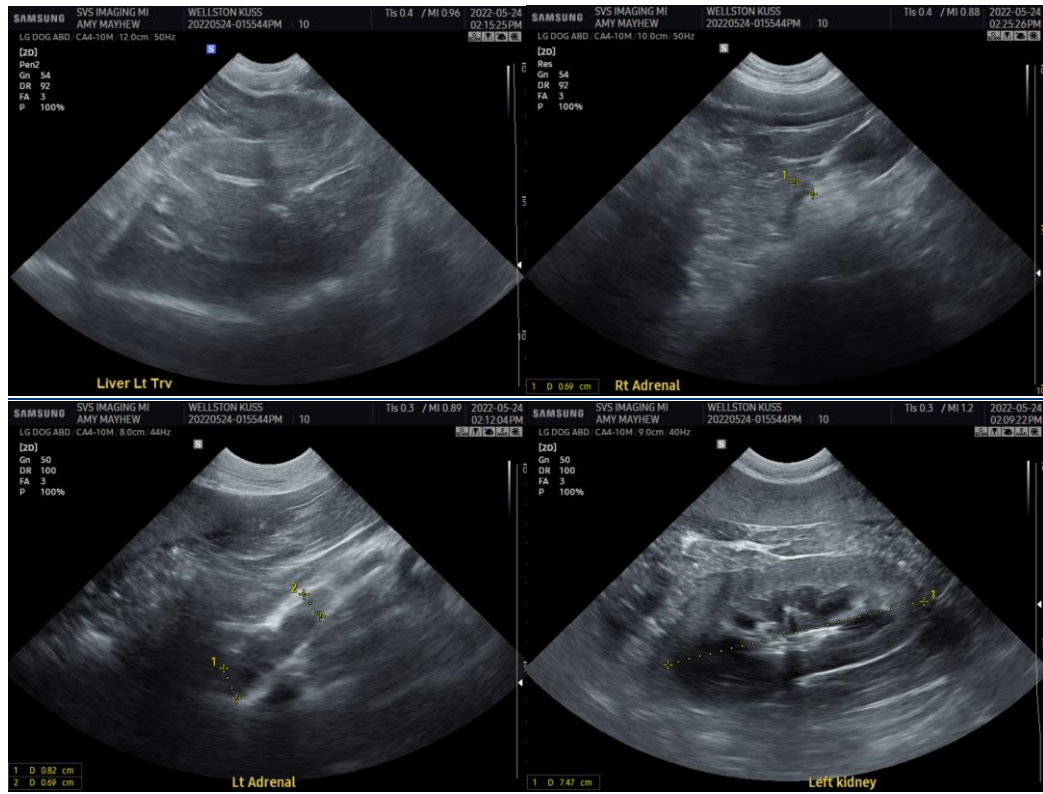
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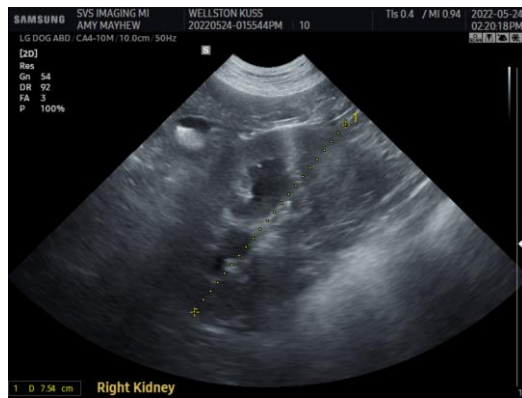
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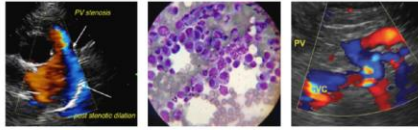
The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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