



PATIENT PRESENTING CLINICAL SIGNS

Tanner Lockawich 7 day duration diarrhea, normal appetite and activity.
 Medication: Metronidazole, Fortiflora

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine **Urinary System**

BREED The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. There was no evidence of macro calculi, sediment, or overt lumen mineral. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

SEX MN The residual prostate was normal in size measuring 0.87 cm in diameter. Potential focal residual prostate hyperechoic foci, possibly indicative of focal mineralization or potential passed prostatic urethral mineral, were noted. No overt evidence of residual prostate neoplastic criteria was noted.

AGE 2009 The area of the aortic trifurcation was free of pathology.

WEIGHT 24.5 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 moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Small bilateral cortical cysts were present along with areas of mild medullary mineral. The left kidney measured 5.2 cm in length. The right kidney measured 5.8 cm in length.

INTERPRETED BY

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

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 1.9 cm length x 0.61 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 2.0 cm length x 0.45 cm width at the caudal pole.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
 ARDMS/RVT

Spleen

A large mid to caudal splenic mass was present measuring approximately 8.0-9.0 cm in diameter. The mass exhibited nonhomogeneous mildly mixed echogenic nodular to cystic parenchyma. Concurrent nondisruptive nonhomogeneous separate splenic nodules were present.

HOSPITAL NAME

Maple Hills VH

REFERRING VET

Dr. Eckman

Liver/ Gallbladder

The liver was enlarged with mild asymmetrical capsule contour and generalized nonhomogeneous parenchyma exhibiting nonhomogeneous intraparenchymal nodules primarily in the right lateral to caudate liver lobe. An example of a liver nodule measured 2.0 cm in diameter. The gallbladder was non-distended in size containing primarily anechoic content with moderate, dependent to non-dependent, variably hyperechoic, nonorganized gallbladder debris. The cystic and common bile ducts were normal.

INVOICE

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PATIENT *Gastrointestinal*

Tanner Lockawich 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*

Cairn Terrier 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*

MN No overt omental lymphadenopathy or peritoneal effusion was present.

AGE Rapid view of the heart revealed no evidence of pericardial masses or effusion in the visible window.
 2009

ULTRASONOGRAPHIC FINDINGS

- WEIGHT** 24.5
- Suspect focal incidental residual prostate mineralization vs. passed prostatic urethral mineral
 - Moderate chronic renal changes exhibiting cortical cysts and medullary mineral
 - Nonhomogeneous / nodular splenic mass
 - Enlarged nonhomogeneous liver exhibiting nonspecific yet suspicious intraparenchymal nodules
 - Sonographically unremarkable gastrointestinal tract / colon
- INTERPRETED BY**
 R. McKenzie Daniel, DVM, DABVP (Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING PERFORMED BY Rebekah Jakum, CVT ARDMS/RVT

The splenic mass is nonspecific with considerations including hyperplasia, hematopoiesis, granuloma, splenitis, or neoplasia (sarcoma, round cell neoplasia, other). Neoplastic criteria is favored with high concern for hepatic intraparenchymal metastasis.

HOSPITAL NAME Maple Hills VH

Benign hepatic parenchymal to nodular changes, i.e., hyperplasia, hematopoiesis, granulomas, etc., could also be possible.

REFERRING VET Dr. Eckman

Assuming normal clotting status, screening hepatic parenchyma and accessible nodule FNA cytology could be considered for further clarification. Assuming no evidence of pathology on three view chest radiographs, and with normal clotting status, splenectomy with hepatic biopsies could be considered. However, given this presentation and concern for primary splenic neoplasia with hepatic metastasis, a very guarded prognosis is indicated. As-needed gastrointestinal support is recommended.

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SPECIES

Canine

BREED

Cairn Terrier

SEX

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HOSPITAL NAME

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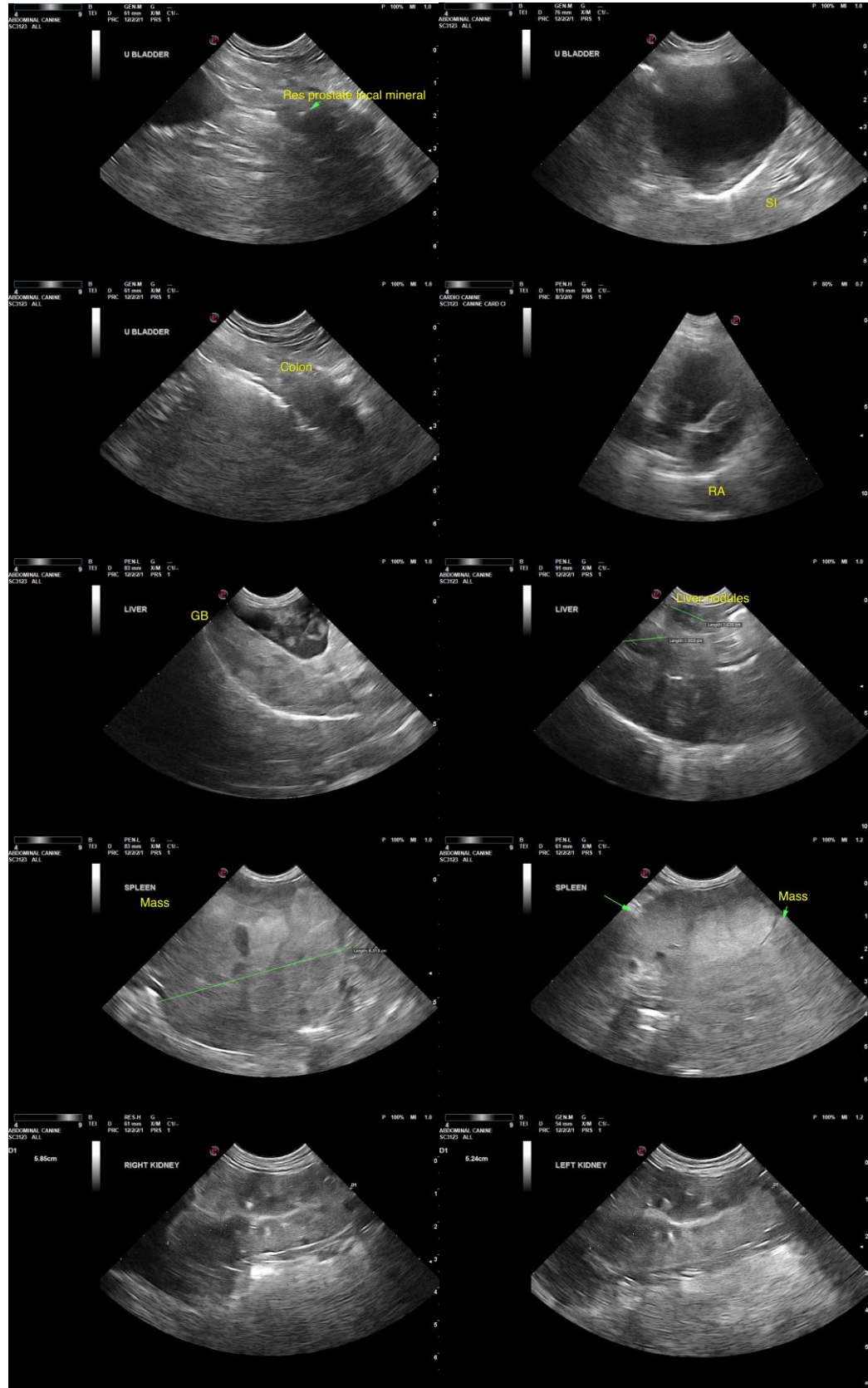
Dr. Eckman

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PATIENT

Tanner Lockawich

SPECIES

Canine

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.

BREED

Cairn Terrier

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

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MN

AGE

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