



PATIENT

Biscayne Gustafson

SPECIES

Canine

BREED

Golden Retriever

SEX

Neutered Male

AGE

13 Years 10 Months

WEIGHT

75 Lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

VCA McKenzie AH

REFERRING VET

Dr. Arpaia

INVOICE

13713

DATE

1/31/22

PRESENTING CLINICAL SIGNS

History: Findings from ECHO performed at OSU 11/23/21: cardiac mass most likely originating from the right atrioventricular groove that is 2.4cmx3.3cm and appears irregular, cavitated, heterogenous echogenicity, and multiple small cavitations are present. Pericardial effusion present and a pericardiocentesis was performed yielding 115mL of non-clotting, hemorrhagic effusion. Heart Rate and Respiratory Rates HR 150 RR 70/Panting Blood Pressure Measurements Average 103/65/78 Current Medications Metacam, Xue Fu Zhu Yu Tang, Yunnan Baiyao, Gui Pi Tang, Trixyn, Omega 3 Capsules

Abnormal PE/Chem/CBC/UA Results: 11/24/2021 CBC - Wnl except monocytosis 890 (0-840)- minimal clinical significance; Chemistry profile -Superchem: - AST 74 (15-66) - ALP 147 (5-131) - amylase 1175 (240-1125) - precision PSL 151 (24-140); Thyroid hormones - TT4 1.1 (0.8-3.5); Urinalysis - USG 1.025 pH 7.5 urine chems: 1+ protein, urine sedi: nsf; MA: 3.9 (<2.5)

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Minor dependent mineral was present. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

No overt pathology in the area of the residual prostate.

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 6.4 cm in length. The right kidney measured 6.4 cm in length.

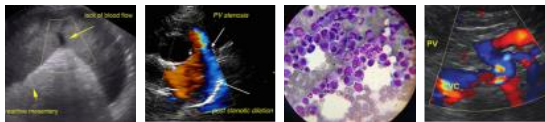
Adrenal Glands

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 2.6 cm in length x 0.87 cm width in the caudal pole. The right adrenal gland measured 1.5 cm in length x 0.67 cm width in the caudal pole.

Spleen

The spleen was normal on size and contour and exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of masses or nodular changes. 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.

Liver



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The liver exhibited subjective mild enlargement. 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. No hepatic masses or nodules noted.

The gallbladder was non distended in size with mild primarily dependent nonorganized gallbladder debris. The cystic duct and common bile ducts were normal without evidence of dilation.

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 was evident.

Free Abdomen

No omental masses, lymphadenopathy or effusion present.

ULTRASONOGRAPHIC FINDINGS

- Mild dependent urinary bladder mineral
- Bilateral mild chronic renal changes
- Mild age-related hepatosplenic parenchyma changes- benign

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Sonographically unremarkable abdomen for age, without evidence of primary or metastatic intraabdominal neoplasia. Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered.





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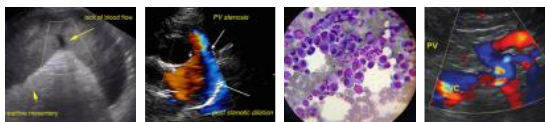
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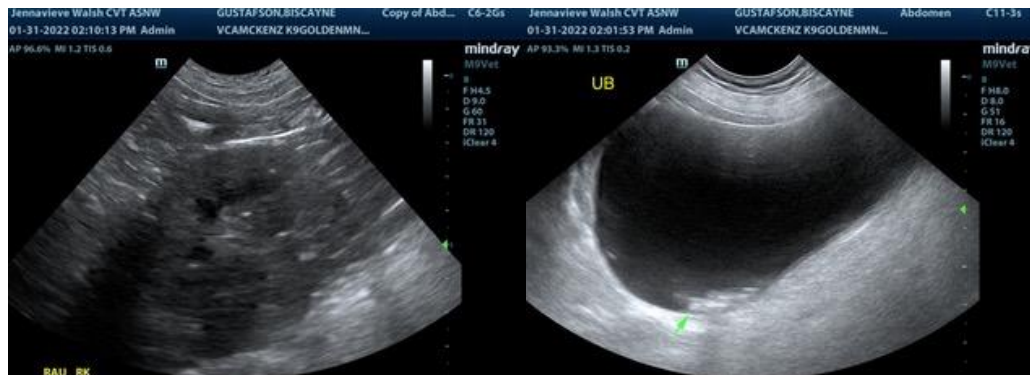
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
 info@SonoPath.com