

**PATIENT**

Bailey Schultz

SPECIES

Canine

BREED

Golden Retriever

SEX

FS

AGE

9 years

WEIGHT

80 lbs.

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

Amy Mayhew

HOSPITAL NAMESVS Imaging
Michigan**REFERRING VET**

Milford VC

INVOICE

14511

DATE

8/4/22

PRESENTING CLINICAL SIGNS

Panting

Abnormal PE/Chem/CBC/UA Results: CBC/ Chem 17/ Lytes/ SDMA w/ T4: NSF Radiographs: opacity in mid abdomen, possible opacity in lungs

ULTRASONOGRAPHIC EXAMINATION OF THE THORAX & ABDOMEN**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 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 was noted.

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 minor loss of corticomedullary symmetry and definition, consistent with early age-related renal changes. No evidence of pelvic dilation was present. The left kidney measured 6.8 cm in length. The right kidney measured 6.7 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 0.44 cm width at the caudal pole and 0.50 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 0.39 cm width at the caudal pole.

Spleen

The spleen was normal in size and maintained a symmetrical capsule contour with generalized mild splenic parenchyma heterogeneity with intermittent nondisruptive discretely hypoechoic intraparenchymal nodules. An example measured 0.48 cm in diameter.

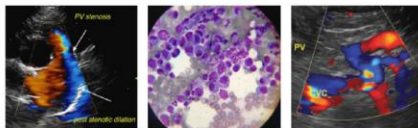
Liver/ Gallbladder

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. 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.

**PATIENT**

Normal visible colon wall layers were present with apparent formed feces in lumen.

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Pancreas**SPECIES**

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.

Canine

Free Abdomen**BREED**

No omental masses, lymphadenopathy, or peritoneal effusion were noted.

Golden Retriever

Thorax**SEX**

Sonographic assessment of the thorax revealed possible spherical appearing mildly nonhomogeneous to hypoechoic peripheral nodule in the left cranial thorax measuring approximately 2.7 cm in diameter. The possible nodule was surrounded by aerated lung. Normal-appearing aerated lung was noted elsewhere within the left and right thoracic cavity. No evidence of pleural free fluid was noted.

FS

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No obvious pathology in the area of the cranial mediastinum was noted.

9 years

Cardiac**WEIGHT**

Subjective cardiac assessment revealed overtly normal cardiac structure and function without overt evidence of pericardial free fluid or cardiac / pericardial masses.

80 lbs.

ULTRASONOGRAPHIC FINDINGS**INTERPRETED BY**

- Discrete nonspecific splenic nodules
- Mild age-related kidneys
- Possible left cranial thoracic / pulmonary nodule, otherwise overtly normal thorax - not definitive, possible focal granuloma, consolidation, Inflammation / Infection, neoplasia, or other possible
- Subjectively normal heart

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**HOSPITAL NAME**

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Michigan

Overall, largely early age-related abdominal changes without evidence of significant visceral pathology.

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The discrete splenic nodules were nonspecific yet not overtly suggestive of neoplastic criteria. Multiple etiologies are possible including discrete areas of lymphoid hyperplasia, hematopoiesis, focal splenitis, or other. Correlation with the potential finding of a left cranial with radiographs is recommended.

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If clinically Indicated and assuming normal clotting status, FNA cytology of the possible left cranial thoracopulmonary nodule, as well as screening splenic FNA, primarily to ensure only benign splenic changes are present, could be considered. Further assessment may include lower airway sampling and / or thoracic CT if clinically indicated.

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svsimagingmi@gmail.com



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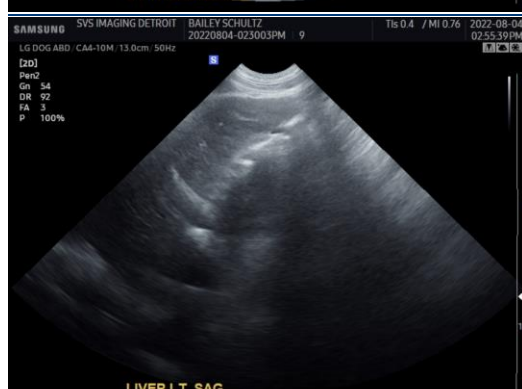
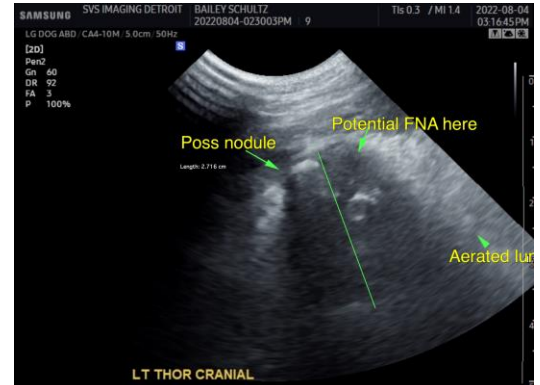
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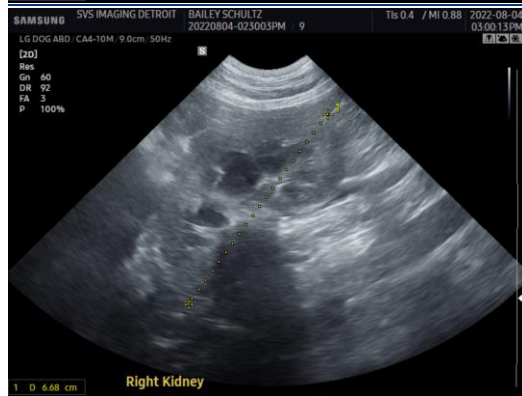
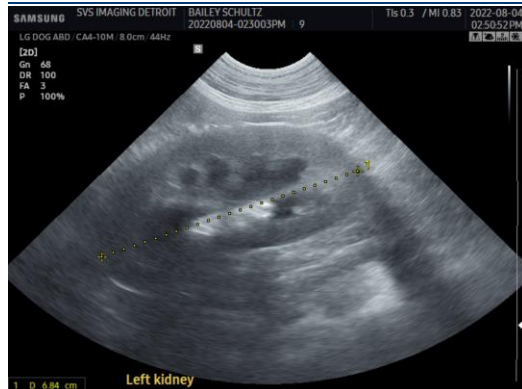
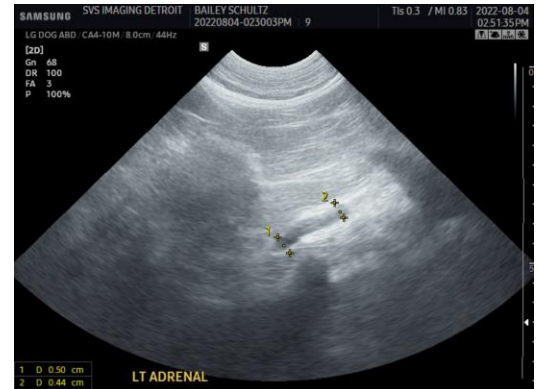
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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