



PATIENT

Bambina Armada

SPECIES

Canine

BREED

Dachshund

SEX

Spayed Female

AGE

14 Years 6 Months

WEIGHT

18.6 Pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Michaleen

HOSPITAL NAME

DPC Veterinary
Hospital

REFERRING VET

Dr. Feldt

INVOICE

20646

DATE

1/20/23

PRESENTING CLINICAL SIGNS

History: Here for dental, owner wanted to check AUS to compare to last year prior to procedure
Abnormal PE/Chem/CBC/UA Results: Additional Comments: Here for anesthetic dental and workup for proteinuria, high Alk Phos/ALT, Hypercalcemia Prior hx (6/2022) of benign hepatopathy/moderate gallbladder debris, chronic renal changes, splenic nodule. Has been on Ursodiol and Denamarin since. ALT stable but Alk Phos increasing Lab work 1/10/2023 CBC WNL Chem BUN 38 Creat WNL 1.1 SDMA WNL 9 Calcium 12.2 (was 10.9) ALT 226 (was 246) Alk Phos 1029 (ws 635) GGT 22 Chol 385 Albumin WNL 4.2 UA: USG 1.035, 4+ proteinuria, crystalluria Systolic Blood Pressure (doppler) today 260 Rechecked blood pressure 260 (was calm, relaxed in her bed) UP:C pending Hypercalcemia of malignancy panel pending ACTH Stim pending Rectal exam - no AG tumors

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 cm, exhibited normal tone. Mild nonuniform thickening of the urinary bladder wall was present. Small hyperechoic focal echogenicities with distal acoustic shadowing were present in the dependent lumen. An example of an echogenicity measured 0.63 cm in diameter. Aortic trifurcation was normal.

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. Minor pyelectasia was noted bilaterally. Pinpoint medullary mineral and intermittent small cortical cysts were noted. The left kidney measured 5.3 cm in length. The right kidney measured 5.9 cm in length.

Adrenal Glands

Bilateral symmetrical adrenal glands were mildly enlarged in size with uniformly hypoechoic parenchyma was present. The left adrenal gland measured 0.80 cm width at the caudal pole and 0.61 cm width at the cranial pole. The right adrenal gland measured 0.69 cm width at the caudal pole and 0.54 cm width at the cranial pole.

Spleen

The spleen was normal in size and contour with primarily finely textured homogenous parenchyma. Intermittent nondisruptive discrete nonhomogenous possible cystic splenic nodules. An example of splenic nodule measured 0.77 cm in diameter. No splenic masses were noted.

Liver

The liver exhibited generalized mild asymmetrical enlargement, exhibiting concurrent areas of mild asymmetrical hepatic capsule contour. Nonhomogenous discretely nodular parenchyma was noted, exhibiting moderate coarse echotexture and evidence of mild parenchymal remodeling.

The gallbladder was non distended in size with echogenic, nonmineralized, nondependent biliary sludge. The biliary sludge was non organized with a hypoechoic to anechoic, irregular to interrupted rim visible between the nondependent sludge and inner wall. No signs of peripheral inflammation.

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.



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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.

SPECIES

Pancreas

Canine

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia. This is likely consistent with age-related pancreatic changes.

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Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

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ULTRASONOGRAPHIC FINDINGS

AGE

14 Years 6 Months

- Static small cystic calculi
- Static chronic renal changes, exhibiting minor pyelectasia, pinpoint medullary mineral and cortical cysts
- Bilateral mild adrenomegaly- no adrenal tumors
- Mild irregular hepatomegaly, exhibiting nonhomogenous discretely nodular parenchyma
- Partial/emerging gallbladder mucocele
- Static discrete splenic nodules- benign

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Full adrenal work up is recommended if clinical signs suggestive of Cushings syndrome or to rule out emerging Cushings syndrome is suggested. The liver exhibited mild progressive parenchymal changes, which are more nonspecific with considerations including previous suspected vacuolar hepatopathy, inflammatory/immune mediated disease, hyperplasia, hematopoiesis, mild fibrosis, while the possibility of infiltrative neoplasia cannot be excluded.

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FNA hepatic cytology, assuming normal clotting status and pending full adrenal work up, if elected, is warranted. Correlation with pending UPC level, hypercalcemia panel and ACTH stimulation test. Sonographic monitoring of the gallbladder is likely ideal with sooner recheck if evidence of progressive cholestasis or cranial abdominal/subxiphoid discomfort on palpation. Screening three view chest radiographs, if not done, may be considered.

REFERRING VET

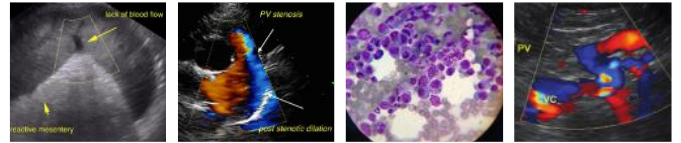
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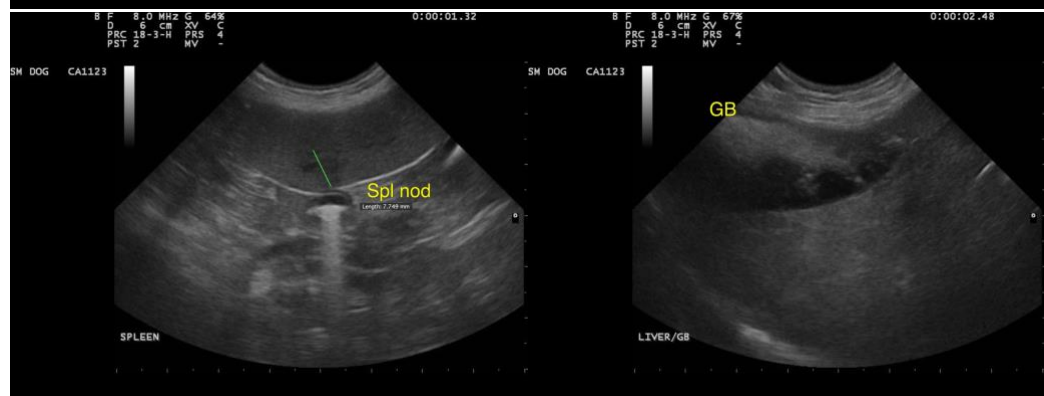


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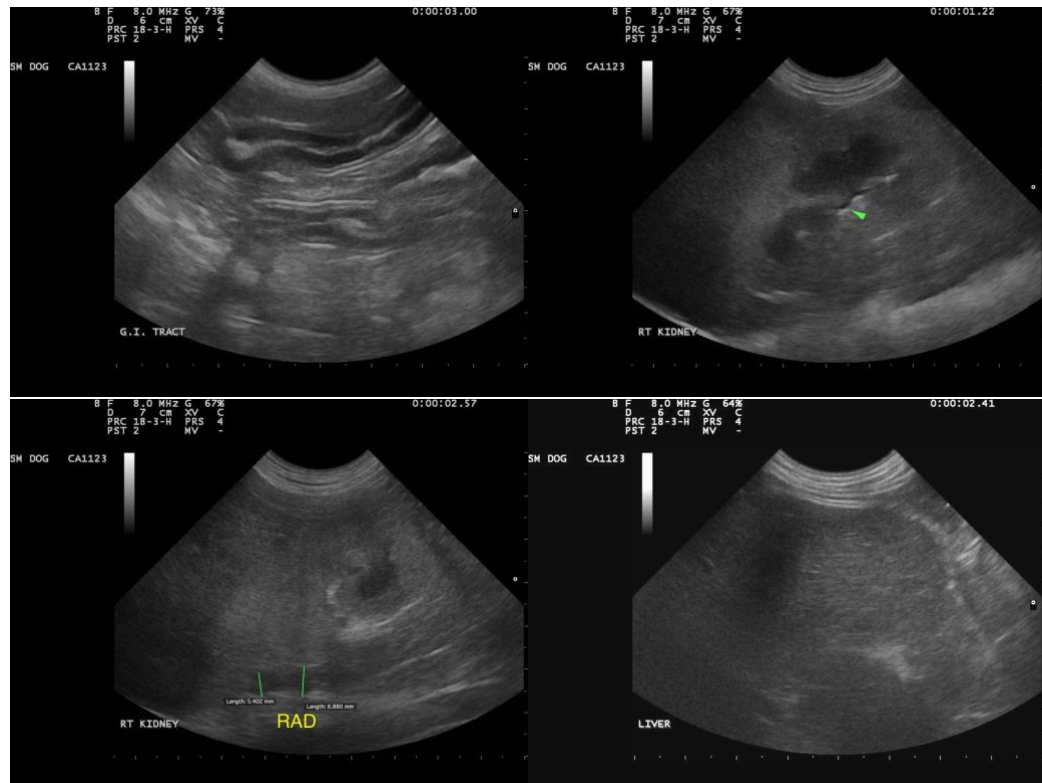
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)
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