



PATIENT

Cody Dewald

SPECIES

Canine

BREED

Lab Hound X

SEX

Neutered Male

AGE

12 Years

WEIGHT

25 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Creature Comforts AC

REFERRING VET

Dr. Decker

INVOICE

16068

DATE

6/13/22

PRESENTING CLINICAL SIGNS

History: Chronic weight loss last 4 months good appetite and B&A Patient sedated butorphanol and medazalam for scan
Abnormal PE/Chem/CBC/UA Results: Non diagnostic

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone and cystourethral junction exhibited normal thickness and tone. Anechoic urine was present in the lumen with no calculi or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

The residual prostate exhibited mild prominent size yet subjective maintained symmetrical contour. Hypoechoic to mildly nonhomogeneous parenchyma was noted. A focal area of mid parenchymal mineralization versus possible nonobstructive prostatic urethral mineral noted, measuring 0.69 cm in diameter. The urethra was overtly normal in structure and tone to a depth of 4.0 cm.

No overt pathology in the area of the iliac trifurcation.

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 to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Pinpoint to focal areas of medullary mineral were present. The left kidney measured 5.5 cm in length. The right kidney measured 6.2 cm in length.

Adrenal Glands

The left adrenal gland was normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present in both adrenal glands without suspicion for overt neoplasia. The left adrenal gland measured 0.37 cm width in the cranial pole and 0.52 cm width in the caudal pole. The right adrenal gland was mildly prominent in size, measuring 1.0 cm width in the cranial pole and 0.74 cm width in the caudal pole.

Spleen

The spleen was mildly enlarged with maintained symmetrical capsule contour. Normal splenic parenchyma echogenicity was present, exhibiting mild parenchyma heterogeneity. Intermittent, nondisruptive hyperechoic nodules were present, exhibiting subtle distal acoustic shadowing. An example of splenic nodule measured 1.3 cm in diameter.

Liver

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 primarily anechoic content and minor gallbladder debris. The cystic duct and common bile ducts were normal without evidence of dilation.

Gastrointestinal



PATIENT

Cody Dewald

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 pylorus wall measured 0.52 cm.

SPECIES

Canine

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. The duodenum wall measured 0.44 cm. The jejunum wall measured 0.31 cm.

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

BREED

Pancreas

Lab Hound X

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 change is likely consistent with age-related pancreatic changes and considered incidental.

SEX

Neutered Male

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

AGE

12 Years

ULTRASONOGRAPHIC FINDINGS

- Mildly prominent to hypoechoic residual prostate, exhibiting focal parenchymal versus nonobstructive prostatic urethral mineral
- Bilateral chronic renal changes with pinpoint to focal medullary mineral
- Subjective mild splenomegaly, exhibiting nonspecific yet likely benign hyperechoic nodules- nodules were consistent with probable myelolipomas. Potential for areas of mineralization or previous infarction possible.
- Hepatic parenchymal remodeling
- Minor gallbladder debris- incidental
- Overtly normal gastrointestinal tract

WEIGHT

25 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Creature Comforts AC

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Potentially, this patient may be passing small amounts of mineral from the kidneys to the urinary bladder and thus, into the prostatic urethral lumen. However, the possibility of parenchymal mineralization associated with the residual prostate cannot be excluded. This finding is nonspecific, yet at times, parenchymal mineralization has been associated with emerging residual prostatic neoplasia. Sonographic monitoring of the residual prostate recommended for further assessment with recheck suggested in 4 weeks.

REFERRING VET

Dr. Decker

The mild splenomegaly is likely secondary to sedation in this case. Given the patients weight loss, screening ultrasound guided FNA of the spleen, assuming normal clotting status and using a 25-gauge needle, could be considered.

INVOICE

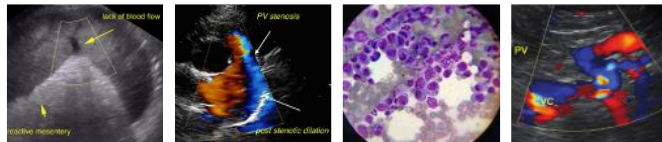
16068

A GI panel to include PLI/TLI/Cobalamin/Folate as well as three view chest radiographs and neurological / musculoskeletal examination are recommended to assess for or rule out occult disease which may cause weight loss.

DATE

6/13/22

No overt evidence of hepatosplenic, gastrointestinal or lymphatic neoplastic criteria.



PATIENT

Cody Dewald

SPECIES

Canine

BREED

Lab Hound X

SEX

Neutered Male

AGE

12 Years

WEIGHT

25 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Creature Comforts AC

REFERRING VET

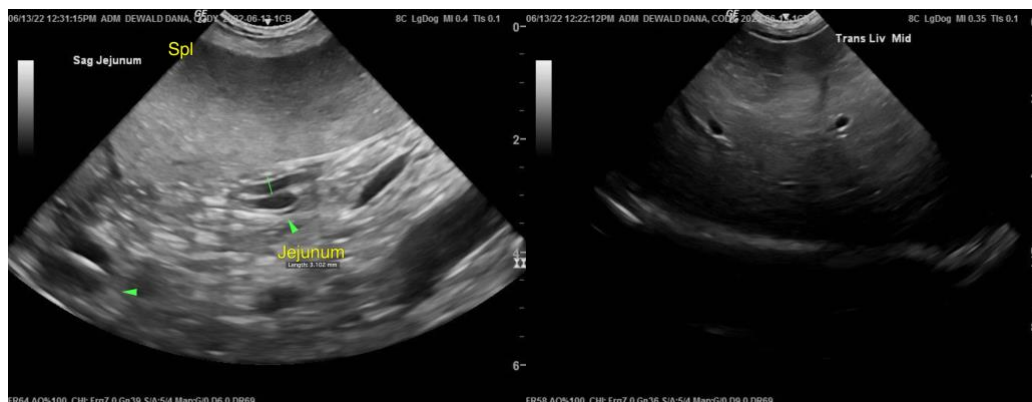
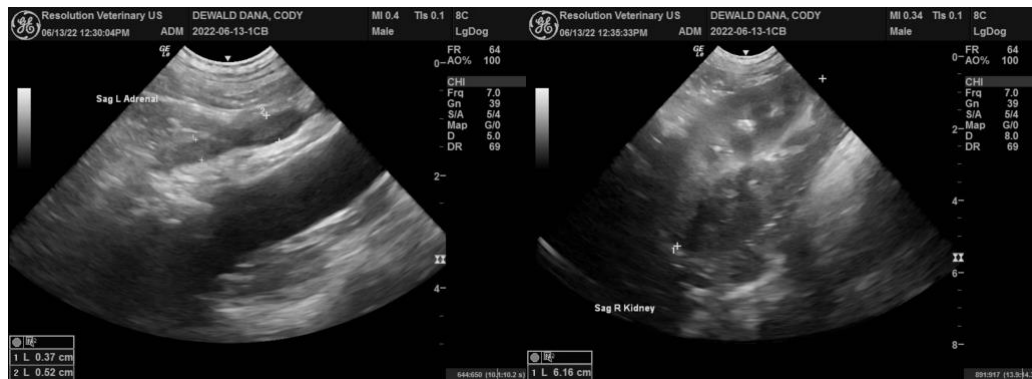
Dr. Decker

INVOICE

16068

DATE

6/13/22





PATIENT

Cody Dewald

SPECIES

Canine

BREED

Lab Hound X

SEX

Neutered Male

AGE

12 Years

WEIGHT

25 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Creature Comforts AC

REFERRING VET

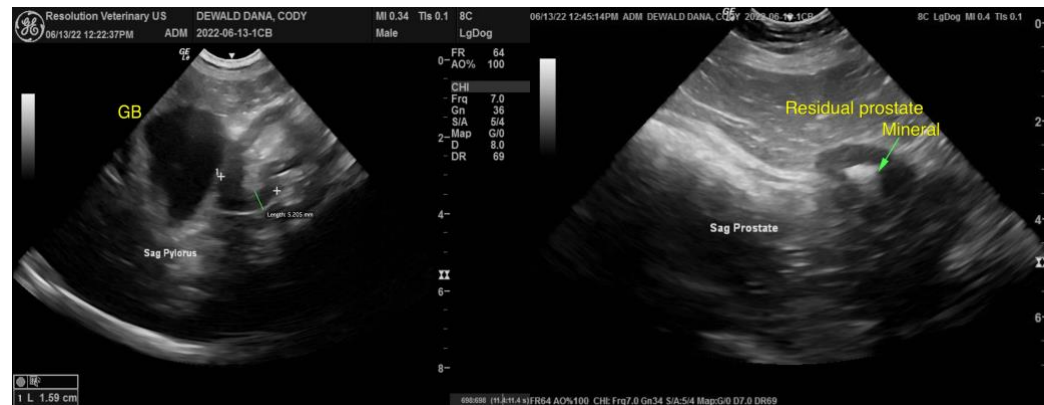
Dr. Decker

INVOICE

16068

DATE

6/13/22



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