



PATIENT

Daisy McMillan

SPECIES

Canine

BREED

Schnauzer

SEX

Spayed Female

AGE

13 Years

WEIGHT

17.9

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Harris

HOSPITAL NAME

Mt. Yonah AH

REFERRING VET

Dr. Michele Harris

INVOICE

26698

DATE

10/27/21

PRESENTING CLINICAL SIGNS

abd rad=liver lobes appear distinct (fluid?) and enlarged liver, area of increased soft tissue density mid-ventral abd on lateral; large amount of stool; spondylosis deformans in thoracic vertebrae Known hypertension - controlled with telmisartan

Abnormal PE/Chem/CBC/UA Results: Date : 09/28/21 Lab Log Updated. TP:6.1 ALB:3.1 GLOB:3.0 A/G RATIO:1.0 AST:38 ALT:199 ALP:300 GGT:3 TBIL:0.2 GLU:88 BUN:55 CRE:1.7 BUN/CREA:32.4 PHOS:5.9 CA:11.1 MG:2.7 NA+:155 K+:6.8 NA/K:23 CL:124 TCO2:13 ANION GAP:25 OSM:348 CHOL:212 TRIG:880 AMY:1321 LIP:907 CK:170 WBC:10.2 NEU #:7375 LYM #:1612 MONO #:887 EOS #:296 BASO #:31 NEU %:72.3 LYM %:15.8 MONO %:8.7 EOS %:2.9 BASO %:0.3 RBC:5.15 HGB:13.5 HCT:39.3 MCV:76 MCH:26.2 MCHC:34.4 PLT:474 RETIC #:46 RETIC %:0.9 SDMA:13 HWT:neg T4:1.4

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 thickness and tone. Mild asymmetrical luminal surface to micropolypoid changes were present likely associated with age related mural changes. 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 were noted.

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 loss of corticomedullary symmetry and definition expected for the age of the patient. Mild pyelectasia noted, pinpoint medullary mineral, and small cortical cysts. The left kidney measured 5.2 cm. The right kidney measured 5.0 cm.

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

The left adrenal gland was not definitively visualized. The right adrenal gland was indistinctly visualized, yet without overt pathology, subjectively measuring 1.0 cm at the cranial pole and 0.72 cm at the caudal pole.

Spleen

The spleen exhibited primarily finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Multifocal, well-defined, symmetrical, echogenic nodules were present primarily in the medial parenchyma. The medial capsule also exhibited hyperechoic echogenicity and mild asymmetrical contour. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory or neoplastic changes were not noted. The echogenic nodules tend to trend benign and are most consistent with benign hyperplasia or myelolipomas.

Liver

The liver exhibited generalized moderate enlargement. 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 mildly congealed gallbladder debris. No evidence of peripheral gallbladder inflammation. The cystic duct and common bile ducts were normal without evidence of dilation.



PATIENT

Gastrointestinal

Daisy McMillan

The stomach presented intact, yet subjective mild prominent wall layering. The lumen of the stomach was empty with mild luminal gas.

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. Intermittent duodenojejunal mucosal speckling noted.

BREED

Schnauzer

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

Pancreas

SEX

Spayed Female

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

Free Abdomen

AGE

13 Years

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

WEIGHT

17.9

- Hepatomegaly with parenchymal remodeling – subjectively benign.
- Moderate gallbladder debris – possible very early gallbladder mucocele
- Benign splenic nodules and suspect medial capsular fibrosis/nodules – suggestive of probable myelolipomas
- Bilateral moderate chronic renal changes with pinpoint medullary mineral, mild pyelectasia and cortical cysts
- Possible mild gastroenteritis
- Heterogeneous pancreas – likely age related pancreatic changes and considered incidental

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The pyelectasia may be owing to chronic renal changes, potential pelvic scarring possibly owing to previous calculi passage, IV fluid therapy (if applicable). Urine C/S and protein: creatinine ratio on sterile urine sample is recommended.

IMAGING PERFORMED BY

Dr. Harris

Potential mild inflammatory gastroenteropathy possible if previous or current history of gastrointestinal signs. Vacuolar hepatitis, non-specific chronic hepatitis/cholangiohepatitis, with benign parenchymal remodeling or possible early fibrosis possible. Hepatic neoplasia is considered a less likely differential diagnosis. Hepatosupportive medications including Ursodiol may prove beneficial with sonographic recheck if evidence of increasing cholestasis, primarily to reassess the gallbladder.

HOSPITAL NAME

Mt. Yonah AH

REFERRING VET

Dr. Michele Harris

Assuming normal clotting status, hepatic FNA for screening cytology would be warranted, primarily to assess for the presence of inflammatory cells. Conservative CKD therapy may be considered.

INVOICE

26698

DATE

10/27/21



PATIENT

Daisy McMillan

SPECIES

Canine

BREED

Schnauzer

SEX

Spayed Female

AGE

13 Years

WEIGHT

17.9

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Harris

HOSPITAL NAME

Mt. Yonah AH

REFERRING VET

Dr. Michele Harris

INVOICE

26698

DATE

10/27/21





PATIENT

Daisy McMillan

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.

SPECIES

Canine

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.

BREED

Schnauzer

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

SEX

Spayed Female

AGE

13 Years

WEIGHT

17.9

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Harris

HOSPITAL NAME

Mt. Yonah AH

REFERRING VET

Dr. Michele Harris

INVOICE

26698

DATE

10/27/21