



**PATIENT**

Sparky Portsche

**SPECIES**

Canine

**BREED**

Beagle

**SEX**

MN

**AGE**

14 years

**WEIGHT**

24.8 lbs.

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Kelly Vazquez

**HOSPITAL NAME**

Animal General on  
Hudson

**REFERRING VET**

Dr. Daniel Tierney

**INVOICE**

16500

**DATE**

4/6/23

**PRESENTING CLINICAL SIGNS**

Patient presents for Elevated ALP and BUN.

Abnormal PE/Chem/CBC/UA Results: ALP 684, BUN 55, SDMA 17, creat. 1.3, PLTs 539.

**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. 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 residual prostate was free of pathology.

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 mild to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation or pyelectasia was present. The left kidney measured 3.8 cm in length. The right kidney measured 4.3 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. No adrenomegaly or tumors were noted. The left adrenal gland measured 1.9 cm length x 0.57 cm width at the caudal pole. The right adrenal gland measured 2.2 cm length x 0.56 cm width at the caudal pole.

**Spleen**

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of 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/ Gallbladder**

The liver exhibited potential borderline enlargement yet primarily maintained a symmetrical capsule contour. A discrete isoechoic homogeneous mass noted mid-liver adjacent to the gallbladder measuring approximately 5.0 cm in diameter was present. The mass appeared to subtly and symmetrically distort the caudal hepatic capsule. No evidence of parenchymal escape was noted. Concurrent, multiple, nondisruptive, mildly hypoechoic intraparenchymal nodules were noted, with an example measuring 1.3 cm in diameter. The gallbladder was non-distended in size containing primarily anechoic content with mild, primarily dependent, nonorganized gallbladder debris. No evidence of gallbladder or peripheral gallbladder inflammation was noted. The cystic and common bile ducts were normal.



## PATIENT

Sparky Portsche

## SPECIES

Canine

## BREED

Beagle

## SEX

MN

## AGE

14 years

## WEIGHT

24.8 lbs.

## INTERPRETED BY

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

## IMAGING PERFORMED BY

Kelly Vazquez

## HOSPITAL NAME

Animal General on  
Hudson

## REFERRING VET

Dr. Daniel Tierney

## INVOICE

16500

## DATE

4/6/23

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

## Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

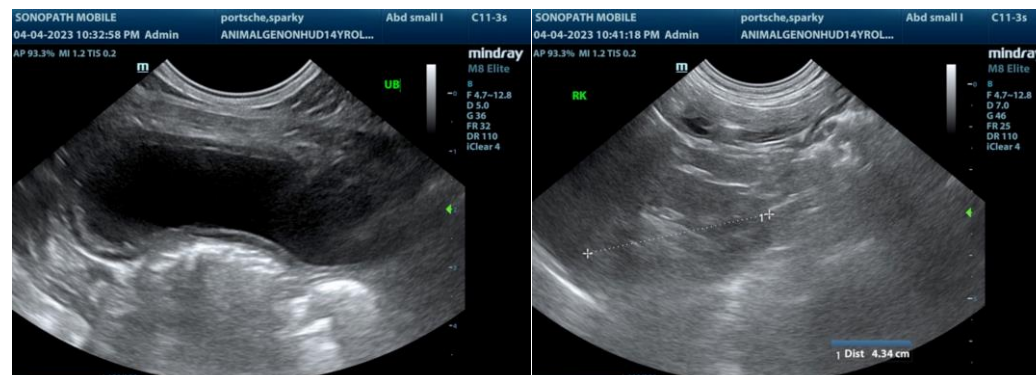
## ULTRASONOGRAPHIC FINDINGS

- Discrete homogeneous mid-liver mass with concurrent intraparenchymal nodules
- Mild gallbladder debris (non-mucocele)
- Mild to moderate chronic renal changes

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The discrete mid-liver mass and concurrent intraparenchymal nodules were nonspecific yet may suggest benign process such as hepatoma-like mass with concurrent intraparenchymal hyperplasia, hematopoiesis, small granulomas or similar. Possible low-grade neoplasia cannot be definitively excluded. FNA cytology of the mid-liver mass lesion +/- accessible nodule is warranted for further clarification, assuming normal clotting status. Hepatosupportive medications may prove beneficial. Sonographic monitoring for evidence of progression would be a more conservative approach.

Urinalysis +/- additional renal staging to include screening C/S and baseline UPC level is suggested.





**PATIENT**

Sparky Portsche

**SPECIES**

Canine

**BREED**

Beagle

**SEX**

MN

**AGE**

14 years

**WEIGHT**

24.8 lbs.

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Kelly Vazquez

**HOSPITAL NAME**

Animal General on  
Hudson

**REFERRING VET**

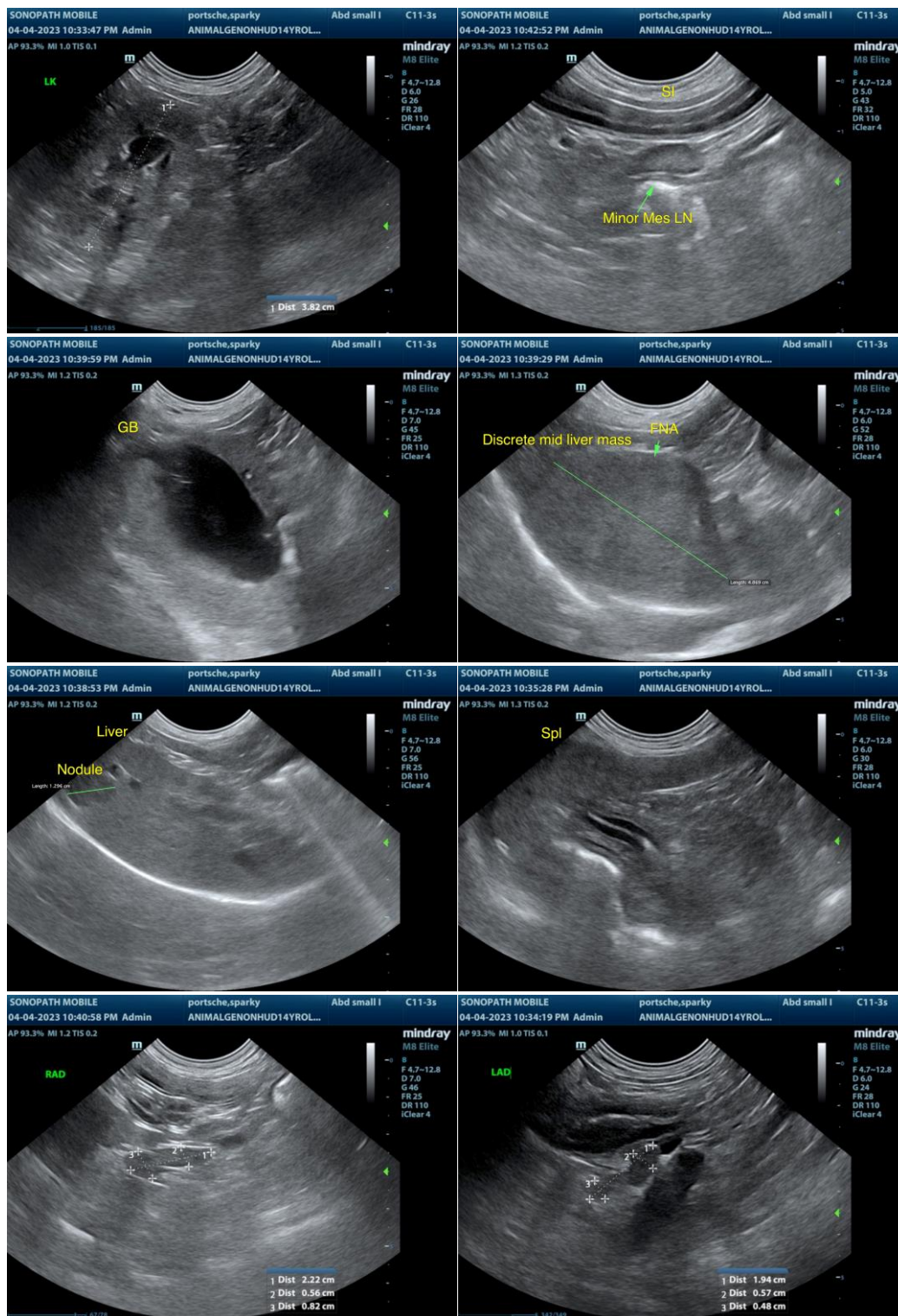
Dr. Daniel Tierney

**INVOICE**

16500

**DATE**

4/6/23



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.



**PATIENT**

Sparky Portsche

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.

**SPECIES**

Canine

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

**BREED**

Beagle

**SEX**

MN

**AGE**

14 years

**WEIGHT**

24.8 lbs.

**INTERPRETED BY**

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

**IMAGING  
PERFORMED BY**

Kelly Vazquez

**HOSPITAL NAME**

Animal General on  
Hudson

**REFERRING VET**

Dr. Daniel Tierney

**INVOICE**

16500

**DATE**

4/6/23