



PATIENT	PRESENTING CLINICAL SIGNS
Snoopy Spinks	elevated liver enzymes. On metronidazole, clavamox, denamarin Abnormal PE/Chem/CBC/UA Results: ALT 639, ALKP 274
SPECIES	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Canine	Urinary System
BREED	The urinary bladder, trigone, and cystourethral junction 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.
Jack Russell Terrier	No evidence of pathology in the area of the aortic trifurcation.
SEX	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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Minor medullary mineral noted on both kidneys. The left kidney measured 3.9 cm in length. The right kidney measured 3.9 cm in length.
MN	Adrenal Glands
AGE	The bilateral adrenal glands were borderline to mildly prominent in size based on caudal pole width measurement in light of body weight. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. No evidence of adrenal tumors. The left adrenal gland measured 1.9 cm length x 0.64 cm width at the caudal pole. The right adrenal gland measured 1.5 cm length x 0.64 cm width at the caudal pole.
15 years	Spleen
WEIGHT	The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. 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. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.
11.75 lbs.	Liver/ Gallbladder
INTERPRETED BY	The liver was normal in size with areas of minor capsule asymmetry and generalized mild nonuniform increased hepatic parenchyma echogenicity exhibiting moderate coarse echotexture and evidence of parenchymal remodeling. Intermittent, mildly irregular, subtle hypoechoic intraparenchymal nodules with an example measuring 1.3 cm diameter. The gallbladder was non-distended in size containing primarily content with mild, congealed, hyperechoic yet nonorganized gallbladder sediment. No evidence of gallbladder or peripheral gallbladder inflammation was noted. The cystic and common bile ducts were normal.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	Gastrointestinal
IMAGING PERFORMED BY	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.
Diane McFadden	
HOSPITAL NAME	
Animal Hospital of Sussex County	
REFERRING VET	
D.r Scairpon	
INVOICE	
17323	
DATE	
7/21/23	



PATIENT

Snoopy Spinks

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.

SPECIES

Canine

Normal visible colon wall layers were present with semi-formed to possible soft fecal matter.

BREED

Jack Russell Terrier

Pancreas

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

SEX

MN

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

AGE

15 years

ULTRASONOGRAPHIC FINDINGS

- Nonhomogeneous subtly nodular liver - subjectively static compared to the previous study, benign parenchymal changes such as vacuolar hepatopathy, chronic inflammatory disease, hyperplasia, hematopoiesis, mild fibrosis or other benign hepatopathy likely, infiltrative neoplasia considered unlikely differential
- Gallbladder sediment (non-mucocele)
- Mild chronic renal changes exhibiting minor medullary mineral
- Bilateral borderline to mildly prominent mildly nonhomogeneous adrenal glands - nonspecific
- Mild pancreatic remodeling - probable age-related / patient pancreatic variant

WEIGHT

11.75 lbs.

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING PERFORMED BY

Diane McFadden

No overt evidence of intrabdominal neoplastic criteria was noted.

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Screening FNA hepatic cytology assuming normal clotting status, could be considered primarily to assess for or possibly identify inflammatory cell type if present. Empirically, continued hepatosupportive medications +/- antibiotic protocol with monitoring of hepatic response would be reasonable. If there is no improvement in hepatic enzymes on the current antibiotic protocol, discontinuation of antibiotics should be considered.

REFERRING VET

D.r Scairpon

Incidental age-related or mild adenomatous benign adrenal changes are likely. An adrenal workup could be considered if clinical signs consistent with adrenal disease arise.

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SPECIES

Canine

BREED

Jack Russell Terrier

SEX

MN

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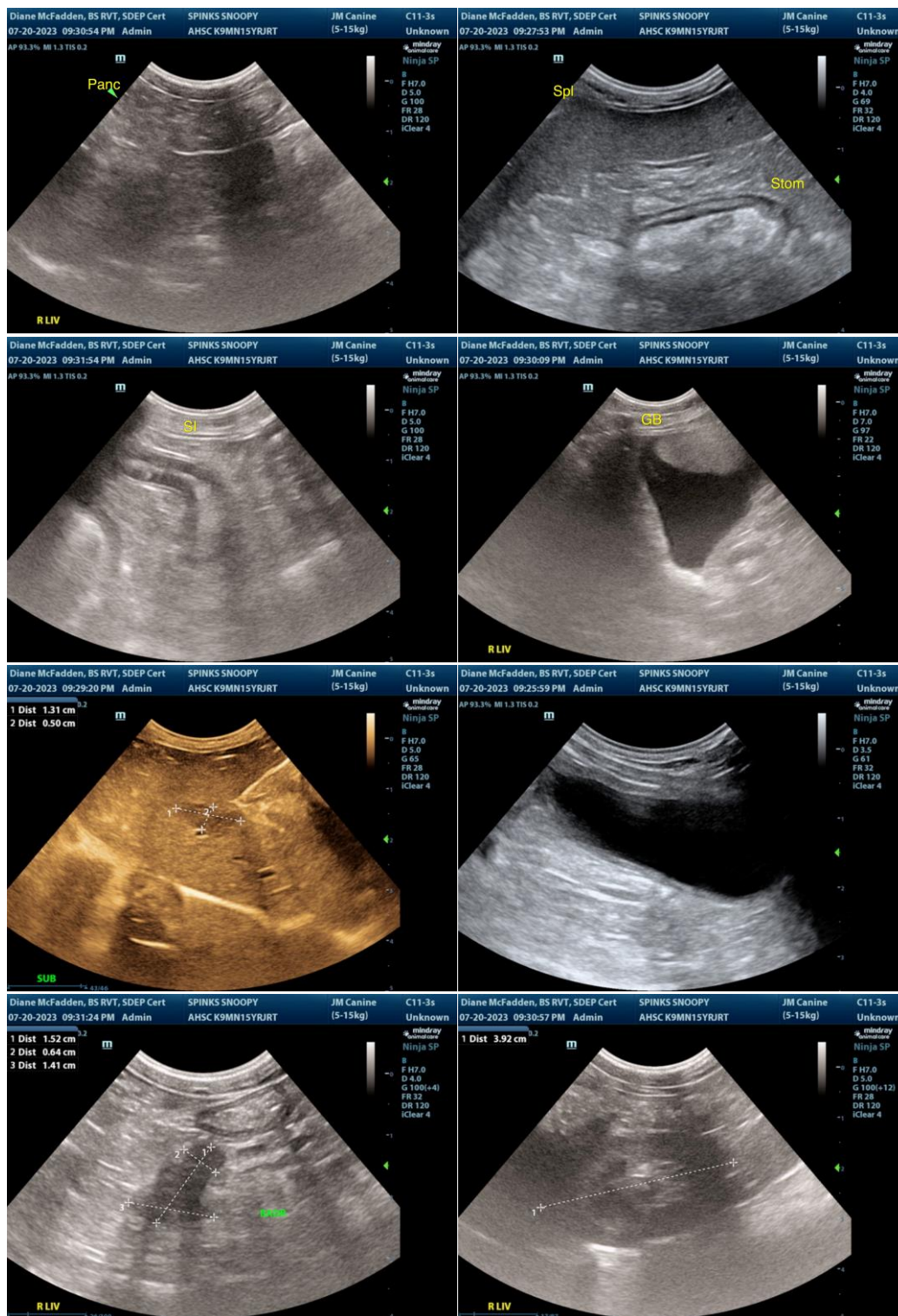
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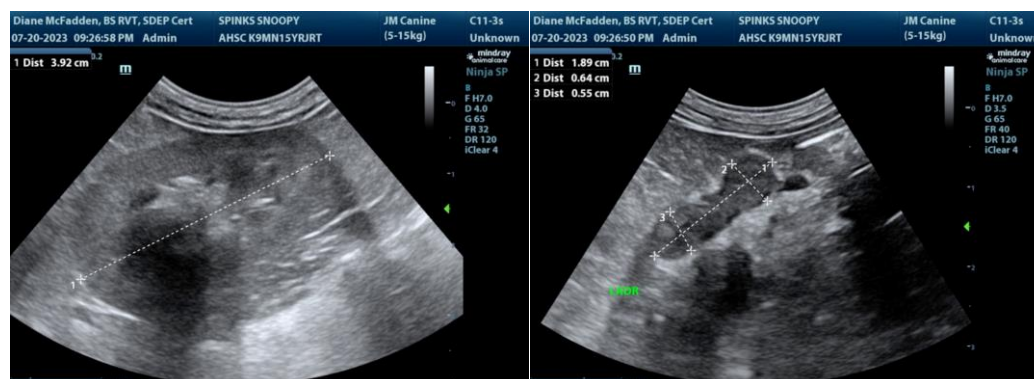
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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