



<b>PATIENT</b>	<b>PRESENTING CLINICAL SIGNS</b>
Wally Scott	Increased Alk phos found of routine bloodwork
<b>SPECIES</b>	Abnormal PE/Chem/CBC/UA Results: PE: nsf CBC: WNL CHEM: 11/27/21 Alk phos 464 and on 12/29/21 447 UA: 1.033, pH 8.5, 1+ bili, 1+ prot, struvites >50
Canine	
<b>BREED</b>	<b>ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN</b>
Mix	<b>Urinary System</b>
<b>SEX</b>	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.
MN	
<b>AGE</b>	No overt pathology was noted in the area of the residual prostate.
8 years	The area of the aortic trifurcation was free of pathology.
<b>WEIGHT</b>	
40.3	Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 5.5 cm in length. The right kidney measured 5.8 cm in length.
<b>INTERPRETED BY</b>	<b>Adrenal Glands</b>
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.67 cm width at the caudal pole and 0.87 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.78 cm width at the caudal pole and 0.75 cm width at the cranial pole.
<b>IMAGING PERFORMED BY</b>	<b>Spleen</b>
Ashley Fatzer	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.
<b>HOSPITAL NAME</b>	<b>Liver/ Gallbladder</b>
Andover AH	The liver exhibited subjective borderline to mild enlargement. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with mild gallbladder debris. The cystic and common bile ducts were normal.
<b>REFERRING VET</b>	
SVB	
<b>INVOICE</b>	
13140	
<b>DATE</b>	
1/25/22	



**PATIENT**

***Gastrointestinal***

Wally Scott

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.

**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.

**BREED**

Mix

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

**SEX**

MN

***Pancreas***

The parenchyma of the left limb, body, and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease were evident.

**AGE**

8 years

***Free Abdomen***

No overt lymphadenopathy or peritoneal effusion was present.

**WEIGHT**

40.3

**ULTRASONOGRAPHIC FINDINGS**

***Primary Findings***

- Mild vacuolar hepatopathy pattern
- Sonographically unremarkable gallbladder

**INTERPRETED BY**

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

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**IMAGING PERFORMED BY**

Ashley Fatzer

The appearance of the liver was nonspecific yet consistent with benign hepatopathy and suggestive of vacuolar hepatic changes, given the ALP elevation. Potential for nonspecific low-grade inflammatory hepatopathy is possible. No evidence of neoplastic criteria was noted.

**HOSPITAL NAME**

Andover AH

Assuming normal clotting status, ultrasound-guided FNA of the liver could be considered for screening cytology. Hepatosupportive medications including Denamarin +/- Ursodiol, due to its antioxidant and immunomodulatory effect within the liver, may prove beneficial.

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No overt suspicion of underlying endocrinopathy, given the lack of reported clinical signs and appearance of the bilateral adrenal glands. Screening UCCR +/- LDDST could be considered if nonreported clinical signs suggestive of hyperadrenocorticism are present.

**INVOICE**

13140

Monitoring of proteinuria +/- baseline UPC could be considered.

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**PATIENT**

Wally Scott

**SPECIES**

Canine

**BREED**

Mix

**SEX**

MN

**AGE**

8 years

**WEIGHT**

40.3

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Ashley Fatzer

**HOSPITAL NAME**

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**PATIENT**

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**SPECIES**

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Mix

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**AGE**

8 years

**WEIGHT**

40.3



**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.

**INTERPRETED BY**

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DVM, DABVP  
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