



<b>PATIENT</b>	<b>PRESENTING CLINICAL SIGNS</b>
Rosie King	Patent was examined 9/7 for annual with bloodwork that showed milk ALT increase at 166 and patient was put on Denamarin. Recheck bloodwork 10/24 showed increase in ALT to 184. Recommended ultrasound of abdomen. Patient was 66 lbs in Oct and is now 59 lbs
<b>SPECIES</b>	
Canine	Abnormal PE/Chem/CBC/UA Results: 9/7/2025 Rads: no obvious abdominal mass, liver appeared smaller than normal CBC: WNL CHEM: ALT 166 QPL: wnl 10/24/25 Mini profile: ALT 184, ALKP 15
<b>BREED</b>	
Pitbull Mix	
<b>SEX</b>	<b>ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN</b>
Female Spayed	<b>Urinary System</b>
<b>AGE</b>	The urinary bladder, trigone, and cystourethral junction exhibited normal thickness and tone. Anechoic urine was present in the lumen with no evidence of urine sediment, mineral, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.
11 yrs	
<b>WEIGHT</b>	No evidence of pathology in the area of the aortic trifurcation.
59 lbs	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. The left kidney measured 7.0 cm in length. The right kidney measured 6.9 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 0.50 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland was not definitively visualized.
<b>IMAGING PERFORMED BY</b>	<b>Spleen</b>
Griffin	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.
<b>HOSPITAL NAME</b>	<b>Liver/ Gallbladder</b>
Northside VC	The liver was subjectively mildly enlarged in size with normal contour. Variable nonhomogeneous remodeled splenic parenchyma was present with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. Indistinct portal vascular borders were noted. There were no
<b>REFERRING VET</b>	
Griffin	
<b>INVOICE</b>	
10364	
<b>DATE</b>	
11/18/25	



## PATIENT

Rosie King

visualized splenic masses or nodules. Normal splenic vascularity was noted. The gallbladder was non-distended in size containing primarily anechoic content with mild, nonorganized gallbladder debris. The cystic and common bile ducts were normal.

## SPECIES

Canine

### ***Gastrointestinal***

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty without evidence of retained ingesta, fluid, or foreign material.

## BREED

Pitbull Mix

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.

## SEX

Female Spayed

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

## AGE

11 yrs

### ***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.

## WEIGHT

59 lbs

### ***Free Abdomen***

No overt lymphadenopathy or peritoneal effusion was present.

## INTERPRETED BY

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

## ULTRASONOGRAPHIC FINDINGS

- Chronic hepatopathy
- Mild gallbladder debris (non mucocele)
- Mild age-related spleen - benign
- Age-related renal changes

## IMAGING PERFORMED BY

Griffin

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

## HOSPITAL NAME

Northside VC

The liver was nonspecific yet suggestive of benign criteria. Considerations may include chronic mild nonspecific hepatitis, hepatotoxicosis, i.e., copper, fibrosis, or other chronic inflammatory disease given ALT elevation. Hepatic neoplastic criteria considered less likely. No evidence of intrahepatic or extrahepatic hepatic shunt.

## REFERRING VET

Griffin

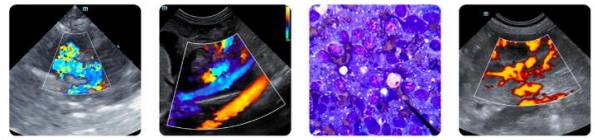
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Correlation with pending hepatosplenic FNA cytology is recommended. Continued hepatosupportive medications and clinical monitoring is recommended.

## DATE

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**PATIENT**

Rosie King

**SPECIES**

Canine

**BREED**

Pitbull Mix

**SEX**

Female Spayed

**AGE**

11 yrs

**WEIGHT**

59 lbs

**INTERPRETED BY**

R. McKenzie Daniel,  
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**IMAGING PERFORMED BY**

Griffin

**HOSPITAL NAME**

Northside VC

**REFERRING VET**

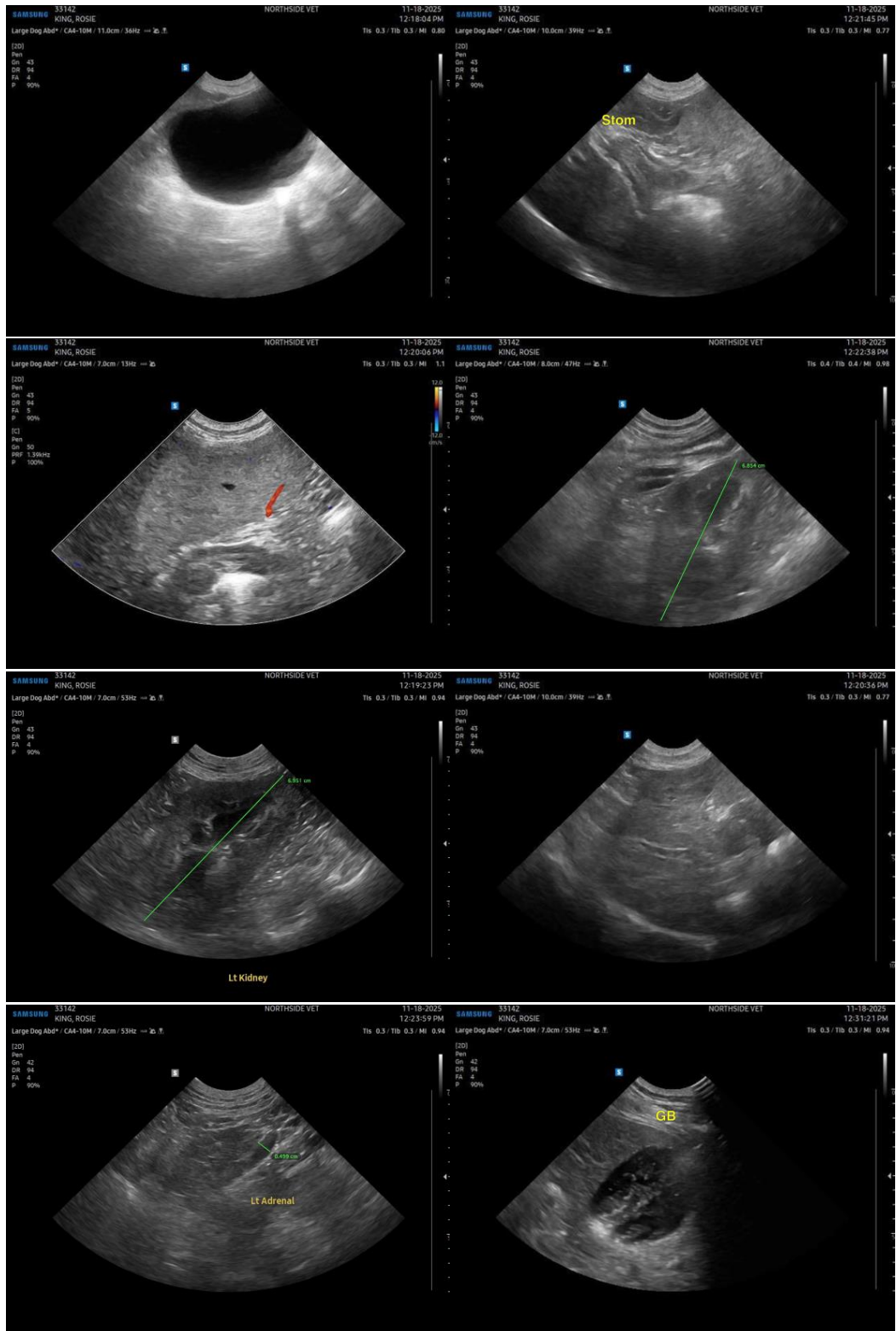
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**INVOICE**

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**DATE**

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## PATIENT

Rosie King

## SPECIES

Canine

## BREED

Pitbull Mix

## SEX

Female Spayed

## AGE

11 yrs

## WEIGHT

59 lbs

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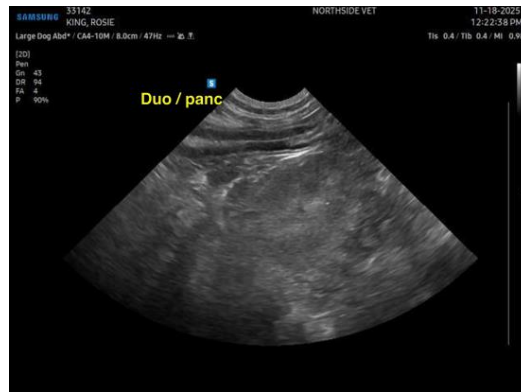
Griffin

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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](mailto:info@sonopath.com)