



<b>PATIENT</b>	<b>PRESENTING CLINICAL SIGNS</b>
Dani Chamberlain	P has elevated liver values
<b>SPECIES</b>	Abnormal PE/Chem/CBC/UA Results: ALT 136
Canine	<b>ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN</b>
<b>BREED</b>	<b>Urinary System</b>
Jack Russell	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths, urine mineral, calculi or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic change were noted.
<b>SEX</b>	Normal size and margination was 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. Minor amount of medullary mineral was present with no evidence of pyelectasia. Subtle hyperechoic cortical foci to striations were visualized which may indicate minor cortical microinfarction, fibrosis or mineralization. The left kidney measured 4.2 cm in length. The right kidney measured 4.7 cm in length.
Female	<b>Adrenal Glands</b>
<b>AGE</b>	The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 0.45 cm width in the caudal pole. The right adrenal gland measured 0.45 cm width in the caudal pole.
11 Years	<b>Spleen</b>
<b>WEIGHT</b>	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.
12 pounds	<b>Liver</b>
<b>INTERPRETED BY</b>	The liver presented enlarged in size. 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.
R. McKenzie Daniel, DVM, DABVP	<b>Gastrointestinal</b>
<b>IMAGING PERFORMED BY</b>	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.
Mack	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.
<b>HOSPITAL NAME</b>	
Northside Veterinary Clinic	
<b>REFERRING VET</b>	
Dr. Michelle Mack	
<b>INVOICE</b>	
12555	
<b>DATE</b>	
12/04/25	



**PATIENT**

Dani Chamberlain

**SPECIES**

Canine

**BREED**

Jack Russell

**SEX**

Female

**AGE**

11 Years

**WEIGHT**

12 pounds

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP

**IMAGING PERFORMED BY**

Mack

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

**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 was evident.

**Free Abdomen**

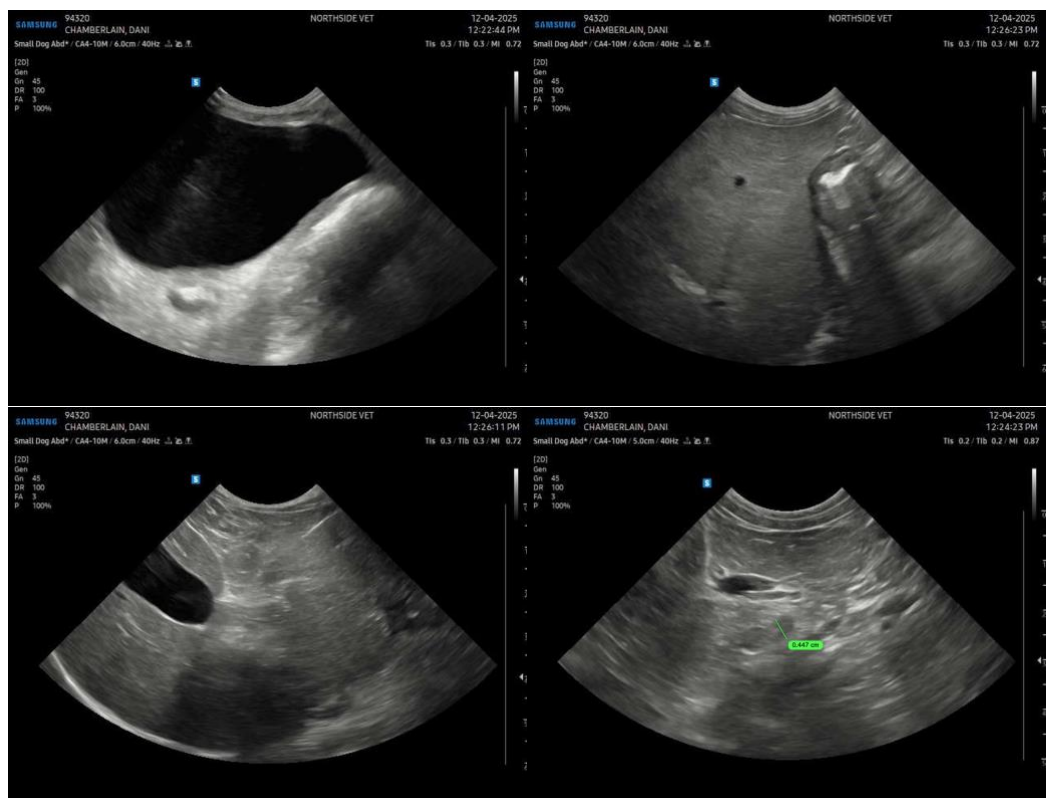
No overt lymphadenopathy or peritoneal effusion was present.

**ULTRASONOGRAPHIC FINDINGS**

- Benign hepatopathy.
- Normal gallbladder.
- Age-related renal/adrenal changes.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Assuming normal clotting status, further assessment of the liver may include FNA cytology primarily to assess for evidence of inflammation +/- leptospirosis titers/PCR in conjunction with elevated ALT. No evidence of hepatic vascular anomaly. Assuming patient is nonclinical, hepatosupportive medications and monitoring would be reasonable.





### PATIENT

Dani Chamberlain

### SPECIES

Canine

### BREED

Jack Russell

### SEX

Female

### AGE

11 Years

### WEIGHT

12 pounds

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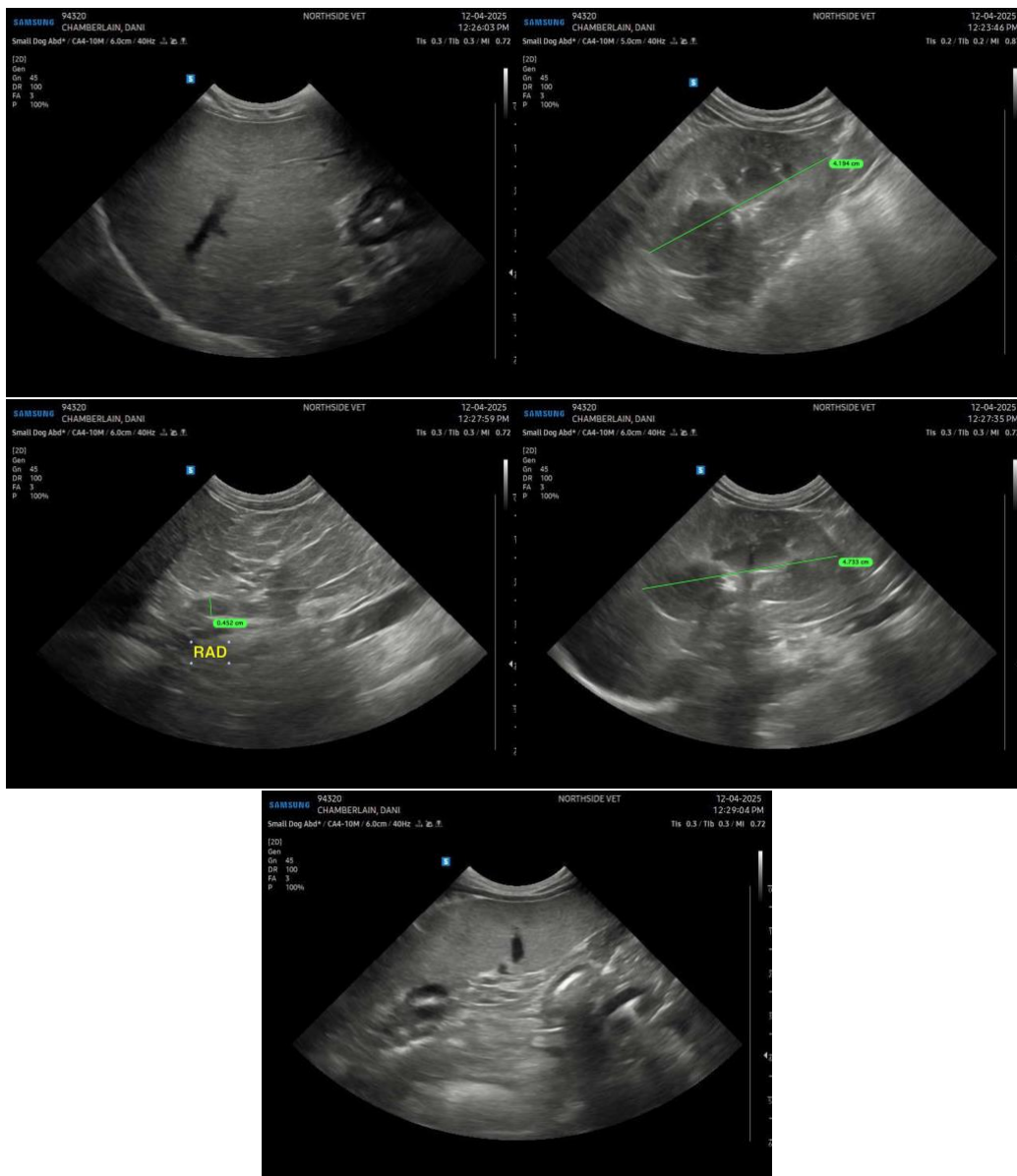
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)

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