

## PATIENT

Boo Sanchez

## SPECIES

Canine

## BREED

Border Collie

## SEX

Spayed Female

## AGE

12 Years 11 Months

## WEIGHT

18.9 kg

## INTERPRETED BY

R. McKenzie Daniel,  
DVM, DABVP (Canine  
/ Feline Practice)

## IMAGING PERFORMED BY

Dr. Jill Rankin

## HOSPITAL NAME

Ramsay Animal Clinic

## REFERRING VET

Dr. Sharma

## INVOICE

13467

## DATE

01/29/26

## PRESENTING CLINICAL SIGNS

- weight loss gradual in last 2-3 months. Blood result show elevation of ALT, ALKP and GGT with pancreatitis. Always drinks more water, no other changes noticed by O.
- P also has a hx of having the spleen removed in the past.
- This patient presented for weight loss with recent laboratory findings
- The primary laboratory findings characterized by elevated ALP of 768, an elevated ALT of 231, an elevated GGT of 20, and a high cholesterol of 10.96. A precision PSL was also elevated.
- Concurrent renal and electrolyte abnormalities were identified, including an elevated BUN of 14.2, hyperkalemia with a potassium of 5.6, and a low sodium-to-potassium ratio of 26. A urinalysis revealed a high urine specific gravity of 1.040, but with 3+ proteinuria.
- Other notable findings include a thrombocytosis with a platelet count of 1,027 and a high eosinophil count of 11. The patient's T4 level was within normal limits at 23.

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The urinary bladder was nondistended with urine. The trigone, cystourethral junction, and visible pelvic urethra 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 change were noted.

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 mild increased echogenicity and mild loss of corticomedullary border demarcation expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 5.6 cm in length. The right kidney measured 5.1 cm in length.

### Adrenal Glands

The left adrenal gland was borderline enlarged at the caudal pole. The left adrenal gland measured 0.65 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 measured 0.50 cm width at the caudal pole.

### Spleen

The spleen was not visualized owing to previous splenectomy. No evidence of pathology in the splenic fossa.

### Liver & Gallbladder

Normal hepatic size and vascular volume in the left mid and right medial liver. The liver parenchyma was nonuniform and hypoechoic to the spleen with a mild coarse echotexture and subjective mild to benign parenchymal remodeling. Within the tight lateral caudate liver, a caudally expanding primarily homogenous indistinct to hyperechoic nodular mass was present measuring approximately 8.0 to 9.0 cm in diameter. The mass appeared to extend into the right cranial abdomen possibly passed the level of the right kidney. The mass primarily exhibited homogenous parenchyma of similar echogenicity compared to the adjacent liver.



## PATIENT

Boo Sanchez

## SPECIES

Canine

## BREED

Border Collie

## SEX

Spayed Female

## AGE

12 Years 11 Months

## WEIGHT

18.9 kg

## INTERPRETED BY

R. McKenzie Daniel,  
DVM, DABVP (Canine  
/ Feline Practice)

## IMAGING PERFORMED BY

Dr. Jill Rankin

## HOSPITAL NAME

Ramsay Animal Clinic

## REFERRING VET

Dr. Sharma

## INVOICE

13467

## DATE

01/29/26

The gallbladder was non distended in size with moderate nonorganized biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation.

### **Gastrointestinal**

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild lumen gas 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. No signs of active inflammation or neoplasia.

### **Free Abdomen**

No overt lymphadenopathy or peritoneal effusion was present.

## **ULTRASONOGRAPHIC FINDINGS**

- Hepatopathy with caudally expanding indistinctly nodular right lateral to caudate liver mass.
- Nonorganized gallbladder debris (non-mucocele).
- Nonvisualized spleen owing to previous splenectomy.
- Age-related renal changes.
- Normal gastrointestinal tract.
- Pancreatic remodeling.

## **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Vacuolar/cholestatic hepatopathy, non-specific hepatitis, hyperplasia, hepatoma-like mass with areas of nodular hyperplasia or lipogranulomas, hepatic neoplasia are all potentials.

Further assessment may include (assuming normal clotting status) hepatic parenchyma and mass FNA cytology. Surgical resectability of the mass is considered questionable given location in the area of the porta hepatis. Mild chronic pancreatitis may be suspected given patient's history and elevated PSL.

A GI panel to include PLI, TLI, cobalamin and folate and three view chest radiographs are suggested given concurrent gradual weight loss. Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered.



**PATIENT**

Boo Sanchez

**SPECIES**

Canine

**BREED**

Border Collie

**SEX**

Spayed Female

**AGE**

12 Years 11 Months

**WEIGHT**

18.9 kg

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP (Canine  
/ Feline Practice)

**IMAGING  
PERFORMED BY**

Dr. Jill Rankin

**HOSPITAL NAME**

Ramsay Animal Clinic

**REFERRING VET**

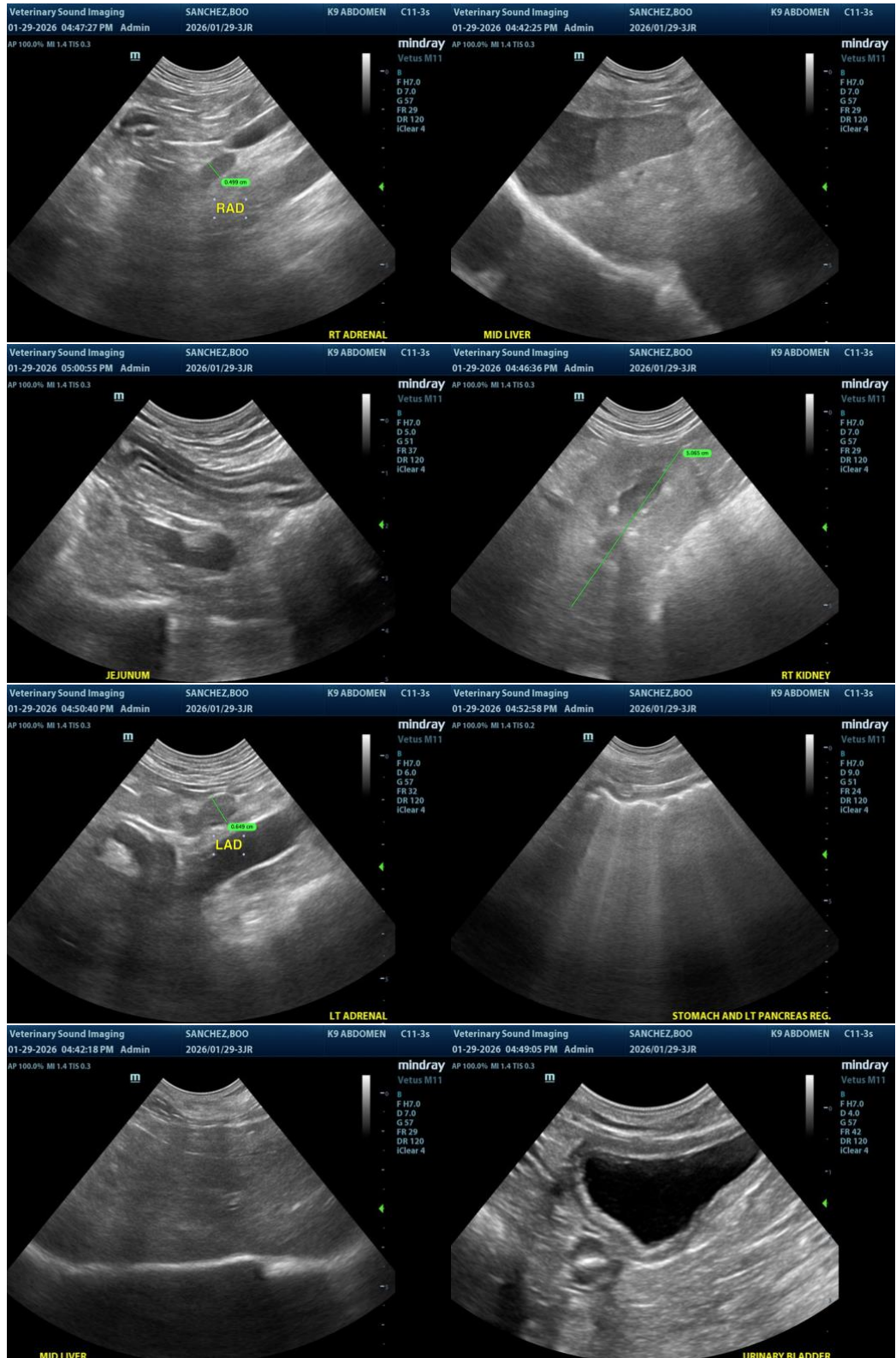
Dr. Sharma

**INVOICE**

13467

**DATE**

01/29/26





**PATIENT**

Boo Sanchez

**SPECIES**

Canine

**BREED**

Border Collie

**SEX**

Spayed Female

**AGE**

12 Years 11 Months

**WEIGHT**

18.9 kg

**INTERPRETED BY**

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

**IMAGING PERFORMED BY**

Dr. Jill Rankin

**HOSPITAL NAME**

Ramsay Animal Clinic

**REFERRING VET**

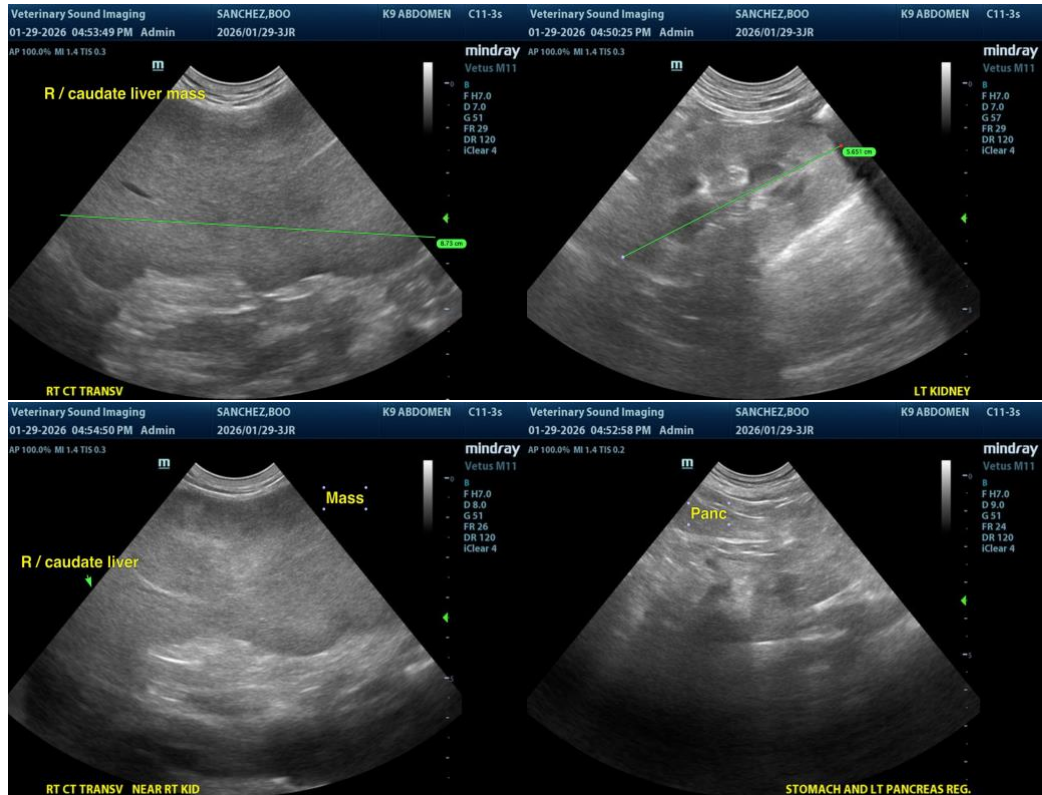
Dr. Sharma

**INVOICE**

13467

**DATE**

01/29/26



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)