



**PATIENT PRESENTING CLINICAL SIGNS**

Nancy Smith Asymptomatic low platelets

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine **Urinary System**

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 were noted.

**BREED**

Labradoodle

**SEX**

The area of the aortic trifurcation was free of pathology.

Spayed Female

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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 7.4 cm. The right kidney measured 7.1 cm.

**AGE**

11 Years

**Adrenal Glands**

**WEIGHT**

65.4 Pounds

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 2.6 cm length x 0.68 cm at the caudal pole. The right adrenal gland measured 2.8 cm length x 0.81 cm at the caudal pole.

**INTERPRETED BY**

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

**Spleen**

The spleen exhibited generalized enlargement with mild asymmetrical contour. Primarily finely textured parenchyma was noted, which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present. The capsule was smooth and regular without apparent expansion. A solitary, mildly expansive, non-homogeneous to potentially centrally cystic nodular mass lesion was noted, subjectively in the mid to cranial spleen, measuring approximately 3.4 cm diameter. Subtle regional perisplenic reactive mesentery was present. No evidence of perisplenic or peritoneal effusion. 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.

**IMAGING PERFORMED BY**

Heidi Putnam

**HOSPITAL NAME**

Willakenzie AC

**Liver**

**REFERRING VET**

Dr. Brandt

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. The gallbladder was non distended in size with mild, echogenic, nonmineralized biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation.

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**Gastrointestinal**

The stomach presented intact wall layering with a normal wall layer ratio. Mild gastric ingesta was present.



## PATIENT

Nancy Smith

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. Segmental echogenic non-shadowing luminal ingesta was present.

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

## SPECIES

Canine

## Pancreas

## BREED

Labradoodle

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

Spayed Female

No overt lymphadenopathy.

Rapid view of the heart revealed no overt evidence of pericardial effusion or right atrial/auricular pathology.

## AGE

11 Years

## ULTRASONOGRAPHIC FINDINGS

## WEIGHT

65.4 Pounds

- Splenomegaly with solitary, mildly expansive, nodular to potentially cystic mass lesion
- Hepatomegaly – subjectively benign
- Mild gallbladder debris (non-mucocele)
- Bilateral mild chronic renal changes
- Heterogeneous pancreas

## INTERPRETED BY

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

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

General considerations for the spleen may include hyperplasia, hematopoiesis, splenitis, with primary concern for solitary, nodular to potentially generalized neoplasia. The potential cystic component associated with the nodular mass lesion may indicate necrosis, while the possibility of abscess cannot be excluded. No overt evidence of intraabdominal metastasis if a splenic neoplastic process is present.

Depending on the degree of thrombocytopenia and/or assessment of coagulation panel, splenic FNA using 25-gauge needle or splenectomy with gross inspection of the liver and surrounding perisplenic omentum may be considered, assuming no evidence of thoracic pathology on 3-view chest radiographs.

## HOSPITAL NAME

Willakenzie AC

The appearance of the pancreas is suggestive of likely age related pancreatic changes and considered incidental.

## REFERRING VET

Dr. Brandt

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**PATIENT**

Nancy Smith

**SPECIES**

Canine

**BREED**

Labradoodle

**SEX**

Spayed Female

**AGE**

11 Years

**WEIGHT**

65.4 Pounds

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

**IMAGING PERFORMED BY**

Heidi Putnam

**HOSPITAL NAME**

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**REFERRING VET**

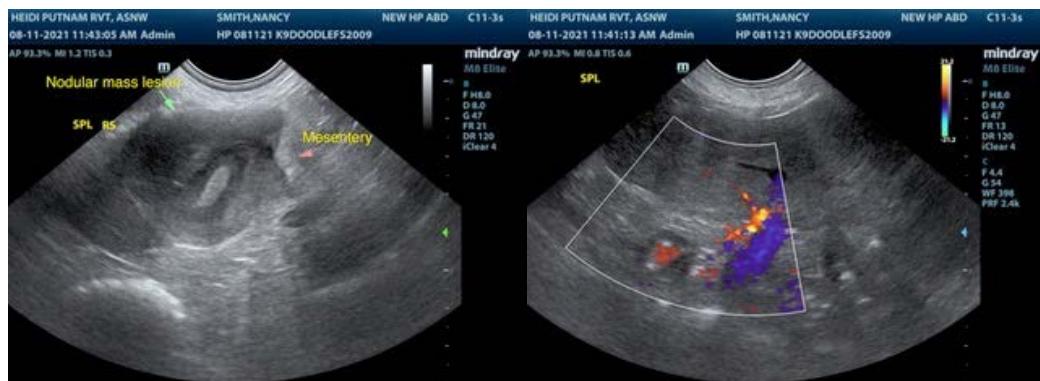
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**PATIENT**

Nancy Smith

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

**SPECIES**

Canine

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.

**BREED**

Labradoodle

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

**SEX**

Spayed Female

**AGE**

11 Years

**WEIGHT**

65.4 Pounds

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