



**PATIENT**

Gracie Page

**SPECIES**

Canine

**BREED**

Labradoodle

**SEX**

Spayed Female

**AGE**

9 Years

**WEIGHT**

21.5 kg

**INTERPRETED BY**

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

**IMAGING  
PERFORMED BY**

Donna Markland, DVM

**HOSPITAL NAME**

Island Mobile Paws VS

**REFERRING VET**

Cobble Hill AH

**INVOICE**

21903

**DATE**

4/5/23

**PRESENTING CLINICAL SIGNS**

History: Presented for 2.5 cm mass over right hamstring on March 22. Cytology showed mast cell tumor, favorable for low grade disease (report attached). This is a met check prior to surgery. Thoracic radiographs have been sent to a radiologist. FNAs taken of spleen at time of scan. Gracie was sedated with oral gabapentin and trazodone prior to this study.

Abnormal PE/Chem/CBC/UA Results: See attached cytology report- mast cell tumor. No recent blood work is available.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**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.

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 pyelectasia was present. The left kidney measured 5.7 cm in length. The right kidney measured 6.1 cm in length. Minor medullary mineral was present bilaterally.

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.0 cm length x 0.49 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 2.8 cm in length x 0.61 cm width at the caudal pole.

**Spleen**

The spleen was normal in size. Subtle parenchyma heterogeneity with primarily maintained symmetrical capsule contour was noted. Subtle area of possible splenic parenchymal expansion was noted adjacent to the hilus with minor associated medial capsule asymmetry. No evidence of splenic masses or nodules. Splenic vascularity was normal.

**Liver**

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion. Potential discrete hypoechoic nodules were noted, consistent with benign nodular changes, i.e., hyperplasia, hematopoiesis, or similar.

The gallbladder was non-distended in size with anechoic content and mild nonorganized echogenic gallbladder debris. The cystic and common bile ducts were normal.

**Gastrointestinal**

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.



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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.

## SPECIES

Canine

## 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.

## BREED

Labradoodle

## Free Abdomen

No omental masses, lymphadenopathy or peritoneal effusion was present. No evidence of medial iliac or sublumbar lymphadenopathy/masses.

## SEX

Spayed Female

## ULTRASONOGRAPHIC FINDINGS

- Minor age-related hepatosplenic changes
- Mild gallbladder debris (non-mucocele)
- Mild age-related kidneys, exhibiting minor medullary mineral

## AGE

9 Years

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Largely early to mild age-related abdomen without evidence of significant visceral pathology, including no overt evidence of intraabdominal neoplastic or metastatic criteria. Correlation with pending splenic FNA cytology is suggested, given the history of mast cell tumor. Pending splenic cytology, sonographic monitoring of the abdominal cavity, ideally based on oncology recommendations is suggested.

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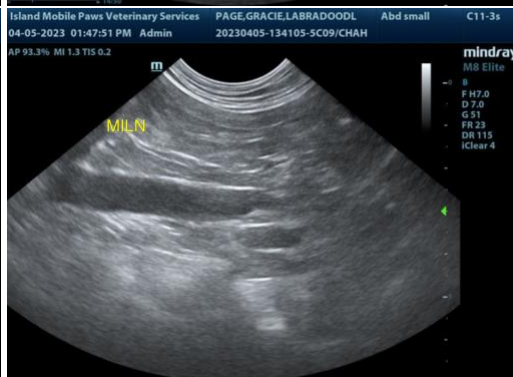
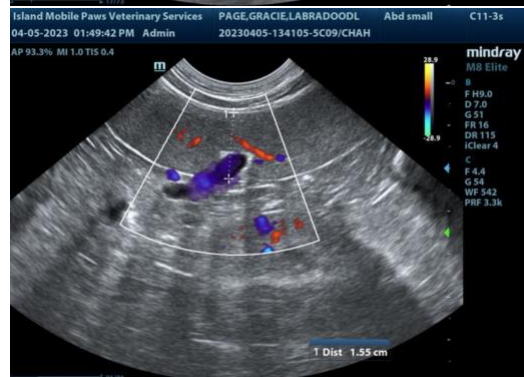


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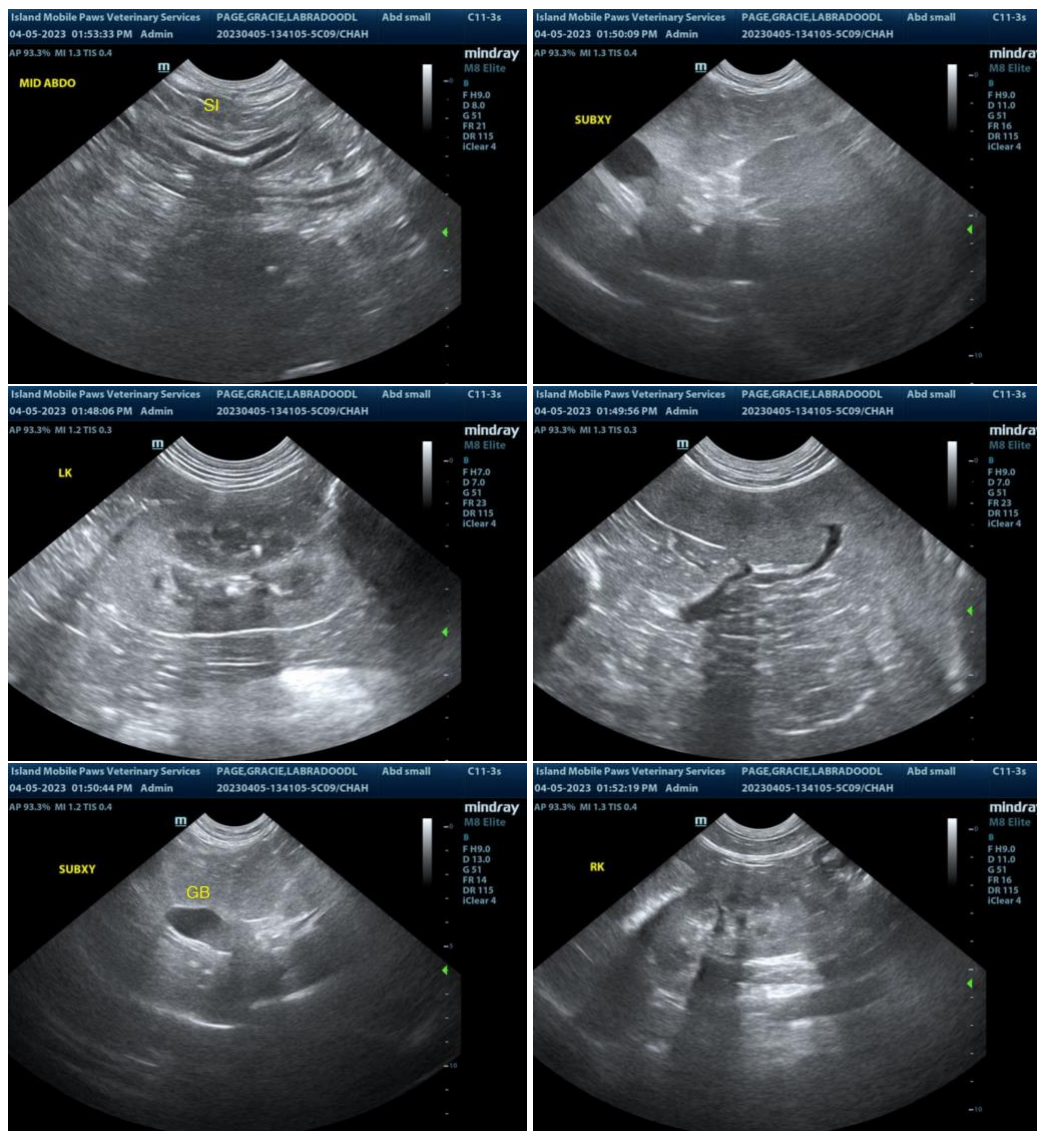
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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