



**PATIENT PRESENTING CLINICAL SIGNS**

Gracie Ruta History: 2-week recheck prev u/s on 6/19 for vomiting and bloody diarrhea, showed minor hepatic remodeling splenic enlargement Owner reports doing well at home E/D no V/D

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine **Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized, and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal.

**BREED**

Border Collie Mix

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 5.27 cm. The right kidney measured 5.60 cm.

**SEX**

Female Spayed

**Adrenal Glands**

**AGE**

9 years

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 2.24 x 0.49 cm at the caudal pole and 0.47 cm at the cranial pole. The right adrenal gland measured 2.55 x 1.18 cm at the cranial pole and 0.47 cm at the caudal pole.

**WEIGHT**

42 lbs

**Spleen**

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**Liver**

The **liver** images submitted revealed persistent, mild, heterogenous parenchymal changes consistent with remodeling and appears to be stable.

**IMAGING PERFORMED BY**

Jenn

The gallbladder and common bile duct are unremarkable.

**Gastrointestinal**

**HOSPITAL NAME**

Rockaway AH

The **stomach** revealed a trace amount of soft ingesta in the pylorus. The small intestine and colon were unremarkable.

**Pancreas**

**REFERRING VET**

Dr. Maniar

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxyphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

**INVOICE**

13559

**DATE**

7.5.23



**PATIENT**      **ULTRASONOGRAPHIC FINDINGS**

Gracie Ruta      **Primary Findings**

- Stable abdomen with mild hepatic remodeling and some minor shadowing material in the stomach (grass or similar).

**SPECIES**

Canine

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**BREED**

No evidence of significant disease.

Border Collie Mix

**SEX**

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**AGE**

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**WEIGHT**

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**REFERRING VET**

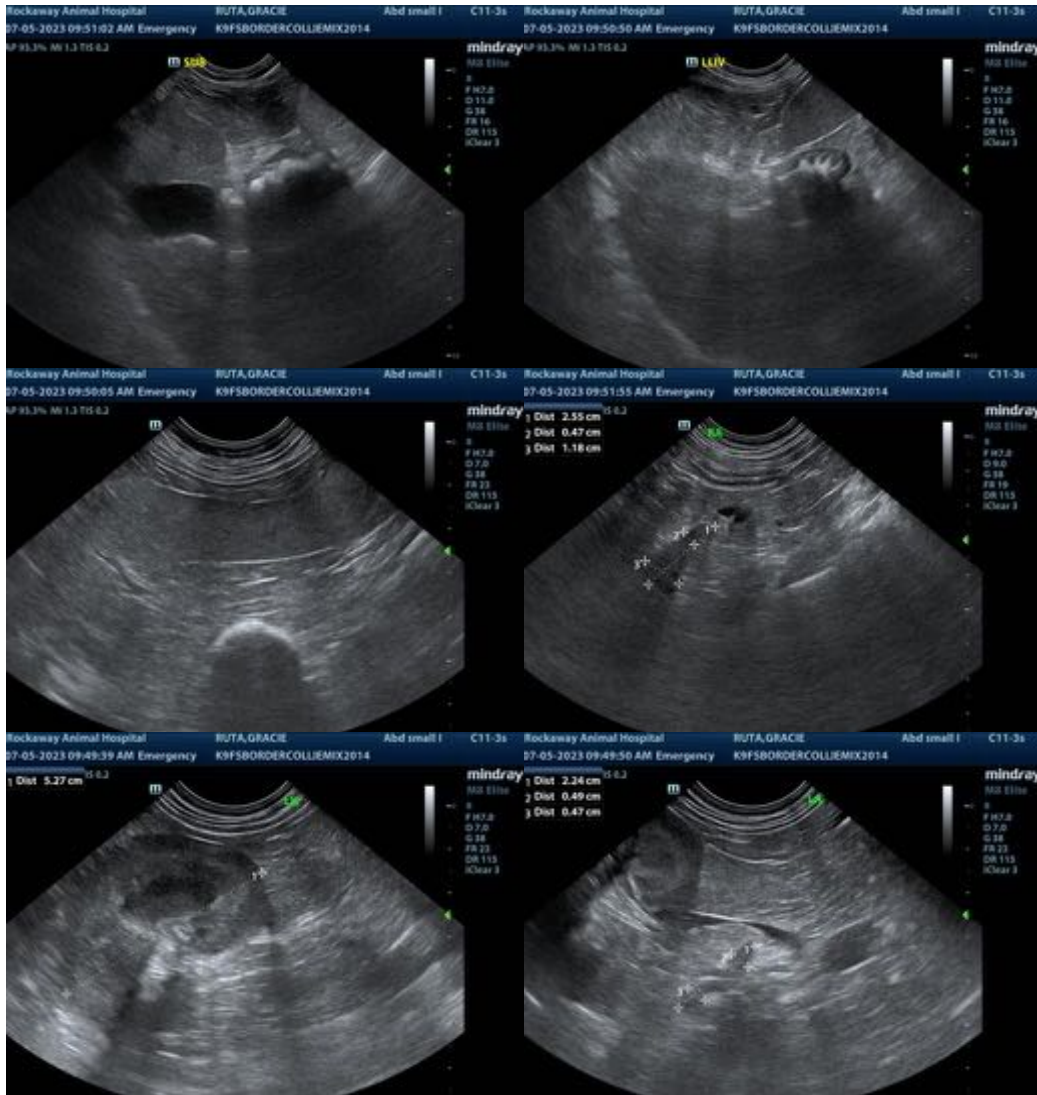
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**PATIENT**

Gracie Ruta

**SPECIES**

Canine

**BREED**

Border Collie Mix

**SEX**

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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.

**Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com**