



**PATIENT**

Susie Piela-Shannon

**SPECIES**

Canine

**BREED**

Rottweiler Mix

**SEX**

Spayed Female

**AGE**

8 Years

**WEIGHT**

91.2 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Kelly Vazquez

**HOSPITAL NAME**

Bergen County VC

**REFERRING VET**

Dr. Jill Shiffman

**INVOICE**

12742

**DATE**

8/25/21

**PRESENTING CLINICAL SIGNS**

History: Patient presents for 2-3 days of vomiting bile and food, having liquid diarrhea. Offering boiled chicken and rice. Lethargic, losing weight. No new food or treats, gassy. History of hypothyroid.

Abnormal PE/Chem/CBC/UA Results: Creat. 3.3, BUN 123, phos. 8.8, ALT 183, Alk. Phos. 678, amylase >2500, lipase 4843, Na 162, MCH 20.6, lymphocytes 0.72.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**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. The pelvic urethra was imaged 3.0 cm beyond the cystourethral junction, mildly dilated.

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. The capsules were acceptably uniform without significant irregularities. The right kidney measured 7.28 cm. The left kidney measured 7.28 cm. Slight pyelectasia was noted in the left kidney. Blood flow appeared to be adequate on power doppler assessment.

**Adrenal Glands**

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 2.71 cm x 0.83 cm at the caudal pole and 0.76 cm at the cranial pole. The right adrenal gland measured 2.41 cm x 1.18 cm at the cranial pole and 0.73 cm at the caudal pole.

**Spleen**

The **spleen** was uniformly enlarged with relatively uniform parenchyma without evidence of masses. The capsule was mildly swollen. This is most consistent with hypersplenism and reactive hyperplasia deriving from splenic white or red pulp. However, early infiltrative disease, such as lymphoma or mast cell neoplasia can, at times, present in this manner but not suspected. 25g US-guided FNA would be best in order to ensure only reactive hyperplasia is present. If clinical signs fit with potential neoplasia or mast cell disease, then Benadryl injection (1 mg/pound IM) 15 minutes prior to FNA would be recommended.

**Liver**

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

**Gastrointestinal**



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Hyperperistalsis was noted in the **GI tract**. The colon was empty. The ileocecal was slightly thickened yet curvilinear patterns were maintained.

## Pancreas

## SPECIES

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Structurally the **pancreas** appeared unremarkable yet acute inflammation possible, however, cross reactivity from GI inflammation may also be playing a role in the amylase/lipase elevation.

## BREED

Rottweiler Mix

- Gastroenteritis
- Acute renal failure
- Reactive spleen
- Pelvic urethra was mildly dilated

## SEX

Spayed Female

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Leptospirosis titers warranted. IV ampicillin, metronidazole, plasma expanders and GI protectants all indicated. No evidence of neoplasia. The kidneys only present minor degenerative changes. Toxin exposure should also be considered.

## AGE

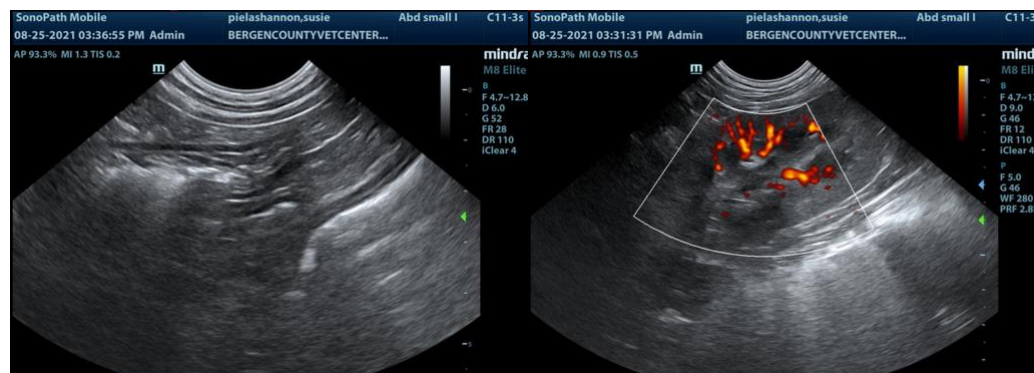
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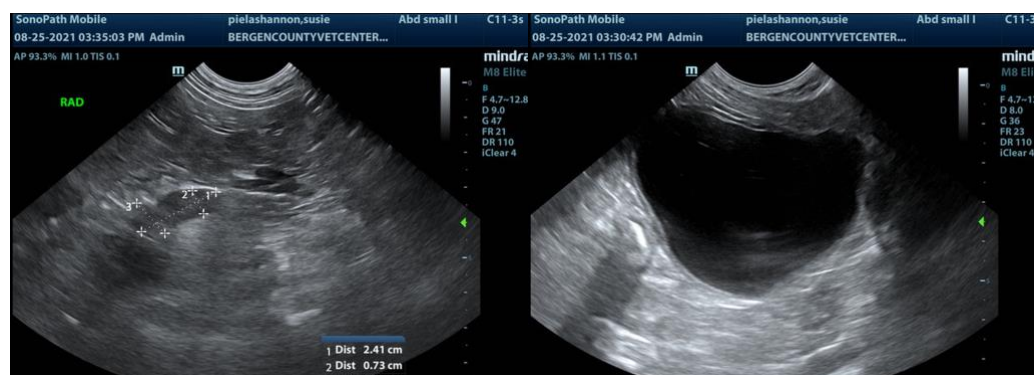


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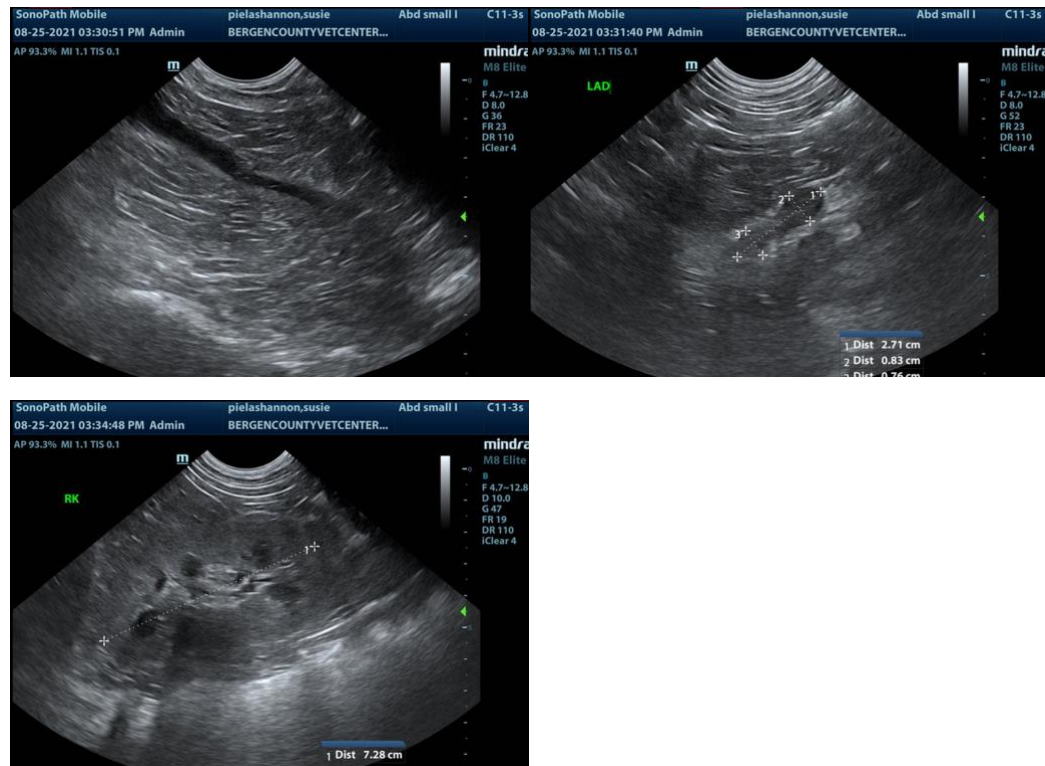
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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