



PATIENT

Barney D'Angelo

SPECIES

Canine

BREED

Maltese

SEX

Neutered Male

AGE

16 Years

WEIGHT

6.87 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Legacy AH

REFERRING VET

Dr. Potenzzone

INVOICE

33703

DATE

12/23/21

PRESENTING CLINICAL SIGNS

Chronic on and off pancreatitis, elevated kidney values. R/O Age vs neoplasia vs other. Current meds: SQF, Gabapentin, Azodyl, CBD
Abnormal PE/Chem/CBC/UA Results: Creat 2.4, BUN 57, UPC 0.1, USG 1.023

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 2.0 cm beyond the cystourethral junction.

The residual prostate was uniform, slightly enlarged for a neutered male at 1.56 cm, likely owing to late neuter.

The **left kidney** was subnormal in size. Minor dorsal cortical collapse, cortical remodeling and pyelectasia noted. The left kidney measured 3.29 cm. The **right kidney** presented similar changes as the left, yet significantly subnormal in size at 2.79 cm with pyelectasia and mineralization. Blood flow to the kidneys was subnormal on color flow 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 right adrenal gland measured 1.22 cm x 0.62 cm at the cranial pole and 0.44 cm at the caudal pole. The left adrenal gland measured 1.12 cm x 0.35 cm at the cranial pole and 0.36 cm at the caudal pole.

Spleen

The **spleen** in this patient was uniform, yet volume contracted. Hydration status should be assessed.

Liver

The **liver** was mildly subnormal in size, uniform. The gallbladder was unremarkable.

Gastrointestinal

Chyme accumulation noted in the **stomach** with stasis. The duodenum and other portions of intestine appeared irritable, edematous, and hyperperistaltic.

Pancreas

Diffuse hyperechoic changes were present in the area of the **pancreas**. The pancreatic remodeling was evident with multifocal to diffuse hyperechoic changes. These changes are consistent with fibrosis, amyloid, saponification of fat and may contain areas of low-grade chronic active inflammation especially if pain on imaging (+ Murphy sign) was present +/- focal subxyphoid palpation reveals pain response. No overt masses were noted.

ULTRASONOGRAPHIC FINDINGS

- Chronic degenerative renal disease – subjectively end stage.
- Likely uremic gastritis
- Microhepatica



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- Volume contracted spleen

Barney D'Angelo

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Hydration status should be evaluated in this patient. Concurrent GI upset likely. If any inflammatory sediment is present in the urine, culture and sensitivity would be indicated. Blood pressures warranted and 72 hours IV fluid protocol with GI protectants.

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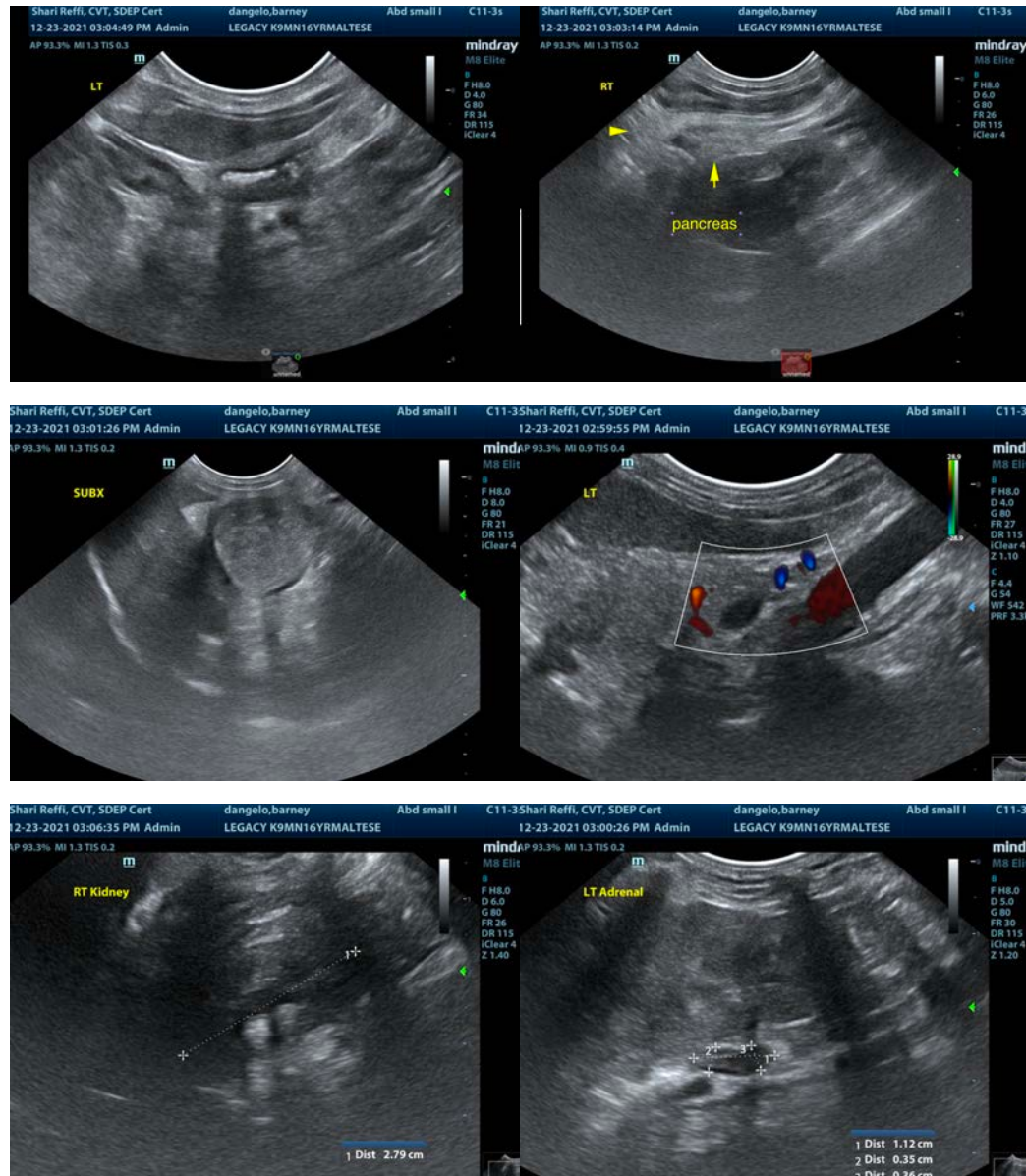
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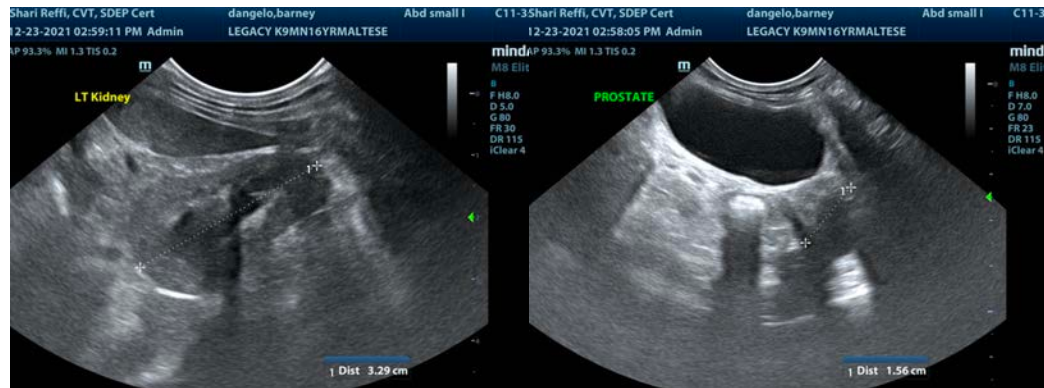
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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