



PATIENT PRESENTING CLINICAL SIGNS

Bella Stadler

History: May 2, 2022 stranguria, treated Clavamox 125mg 1BID for 2 weeks. August 12, 2022 pollakiuria for days, treated Amoxicillin 125mg BID for 10 days, symptoms recurred while on antibiotics. Azotemia for 2 years on k/d diet.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: May 2, 2022 urinalysis USG 1.015, 1+ protein, pH 6.0, Rods TNTC intr and extracellular, WBC TNTC, RBC TNTC, Casts of RBC and WBC, Calcium Oxalate crystals 2-10/hpf. May 4, 2022 Radiograph negative for uroiths. August 12, 2022 urinalysis USG 1.005, 1+ protein, pH 6.0, 1+ rods, WBC 3+. August 23, 2022 focused urinary ultrasound.

BREED

Beagle Mix

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

Spayed female

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 was noted. Ureteral papillae were mildly thickened, yet not neoplastic.

AGE

12 years

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex. Occasional cortical cyst was noted in the kidneys. Renal mineralization was noted in both kidneys. The left kidney measured 3.99 cm with mild pyelectasia. The right kidney measured 4.82 cm. The kidneys subjectively appear 50% compromised.

WEIGHT

21.8 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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 1.2 x 0.49 cm at the cranial pole and 0.42 cm at the caudal pole. The right adrenal gland measured 1.43 x 0.42 cm at the cranial pole and 0.39 cm at the caudal pole.

IMAGING PERFORMED BY

Dr. Brenner

HOSPITAL NAME

Riverside Animal
Medical

ULTRASONOGRAPHIC FINDINGS

Pinpoint renal mineralization, moderate degenerative changes.

REFERRING VET

Dr. Brenner

Mild pyelectasia in the left kidney.

Structurally normal urinary tract.

INVOICE

32500

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The ureteral papillae may be prominent owing to periodic passage of calculi/minor pinpoint renal mineralization. There was no evidence of neoplasia. The patient likely has passed calculi in the past causing periodic urinary tract signs. 4 week antibiotic therapy is warranted to treat for UTI given the chronic renal changes and pyelectasia.

DATE

8/23/22



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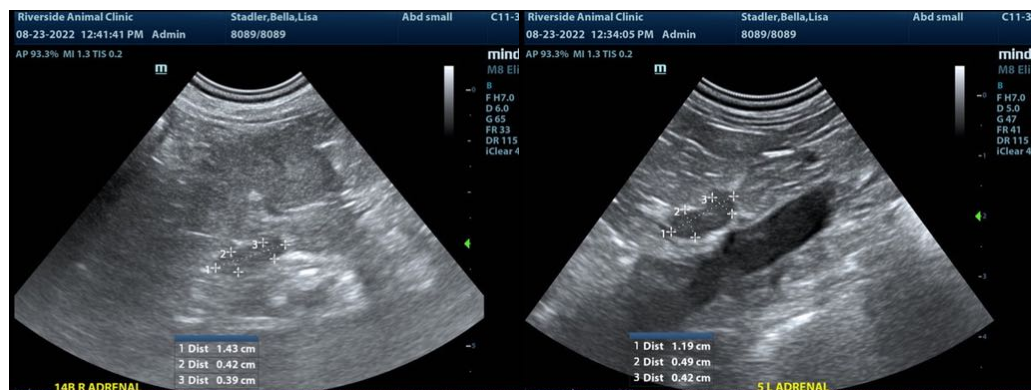
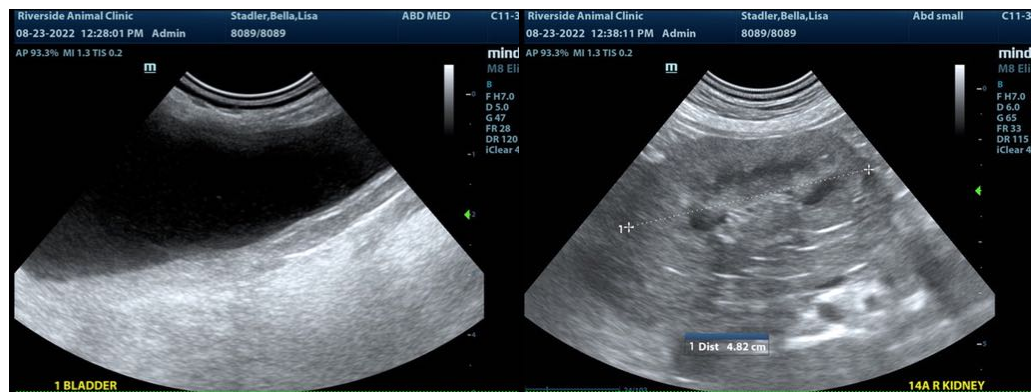
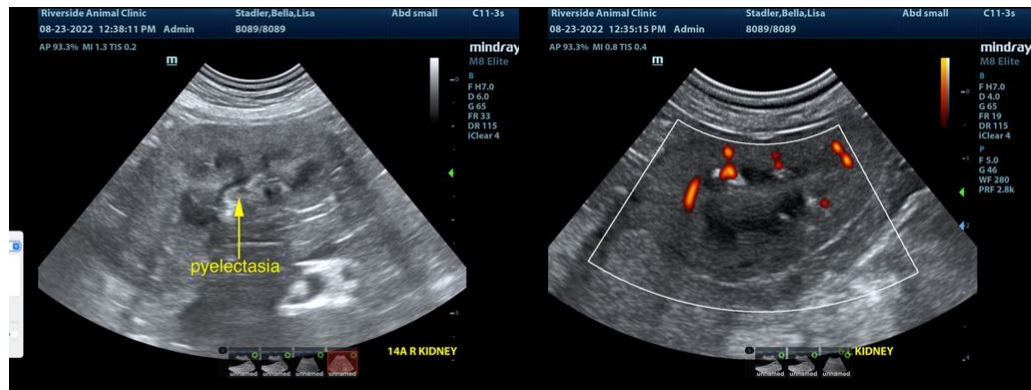
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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