



PATIENT

Nellie Kronyak

SPECIES

Canine

BREED

Labrador Retriever

SEX

Spayed Female

AGE

8 Years

WEIGHT

73.6 Lbs.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Kelly Vazquez

HOSPITAL NAME

Westwood Regional
VH

REFERRING VET

Dr. Hartwick

INVOICE

13828

DATE

2/7/22

PRESENTING CLINICAL SIGNS

History: Azotemia, slightly decreased appetite, ADR. Found blood work abnormalities on routine pre-labs for dental (has slab fracture of carnassial tooth). Blood pressure hard to interpret, dog is "hyper". Current meds: Prilosec 20 mgs PO SID, K/D diet. Admitted to WWRVH on IVFs, famotadine, and K/D diet.

Abnormal PE/Chem/CBC/UA Results: 2/1/22: BUN 91, creat. 3.6, K+ 4, phos. 5.0. Ca+ 11.6, cl. 123, cholesterol 355, amylase 1340, Accuplex (neg x 4). USG: 1.007, pH 6.0, protein (neg), sediment (neg), urine C&S: no growth.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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

The **kidneys** revealed moderate degenerative changes with interstitial nephrosis pattern. Both kidneys revealed diffuse hyperechoic cortical changes, subjectively subnormal size and irregular contour. Blood flow was subnormal on power doppler assessment. The right kidney measured 6.0 cm. Pyelectasia was noted in the left kidney. The left kidney measured 6.23 cm in length.

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 2.06 cm x 0.56 cm at the caudal pole and 0.65 cm at the cranial pole. The left adrenal gland measured 2.2 cm x 0.62 cm at the caudal pole and 0.78 cm at the cranial pole.

Spleen

The **spleen** was largely smooth with subtle heterogeneous parenchymal changes while maintaining normal echogenic relationship to the liver and kidney. These changes are consistent with normal age-related alteration. The capsule was smooth without noticeable impingement from within the spleen or from pathology in the adjacent abdomen. The splenic vasculature demonstrated normal volume without signs of congestion or significant contraction. No evidence of active acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

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. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.



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The **gallbladder** was mildly over distended with minor suspended and dependent debris, yet not to the level of emerging mucocele, yet sludge appears to be mildly excessive. No adjunctive inflammation was noted.

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Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

BREED

Labrador Retriever

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

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Spayed Female

ULTRASONOGRAPHIC FINDINGS

AGE

8 Years

- Nonspecific chronic degenerative renal disease with pyelectasia
- Age-related splenic changes
- Gallbladder sludge

WEIGHT

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Some level of primary dysplasia may be present given the renal pelvic structure. Underlying UTI possible. Inciting causes such as leptospirosis or toxin exposure are possible, however, subjectively the kidneys appear near end-stage. 72-hour IV fluid protocol with foley catheter placement to ensure adequate emptying of the bladder indicated. Leptospirosis titers and blood pressures indicated. Prognosis is guarded to poor long term.

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For an additional charge, internal medicine consult can be utilized through SonoPath.com. You can select the internal medicine drop down at <http://spa.sonopath.com/>.

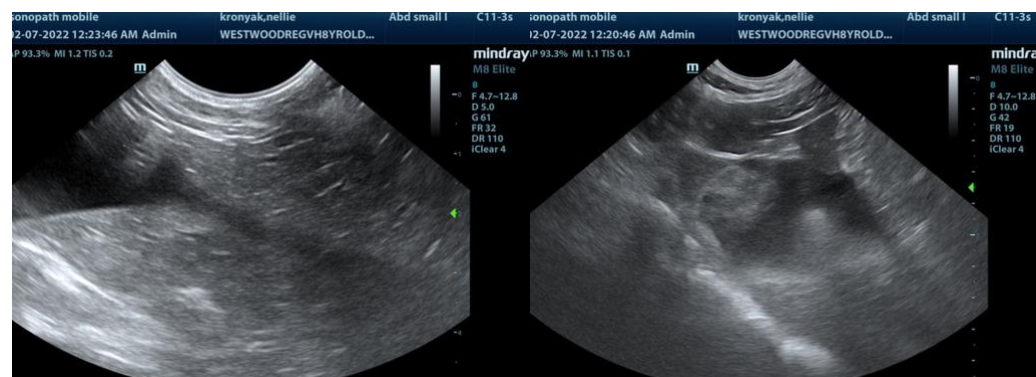
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One of the world's top internists & SonoPath associate Dr. Remo Lobetti BVSc, MMedVet, PhD, DECVIM can evaluate your case through SonoPath. <https://sonopath.com/resources/sonopath-services/internal-medicine-teleconsultation-services>

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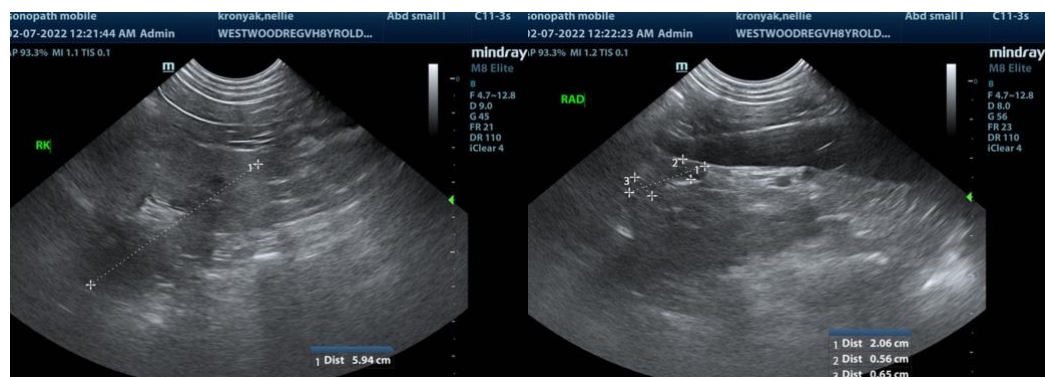
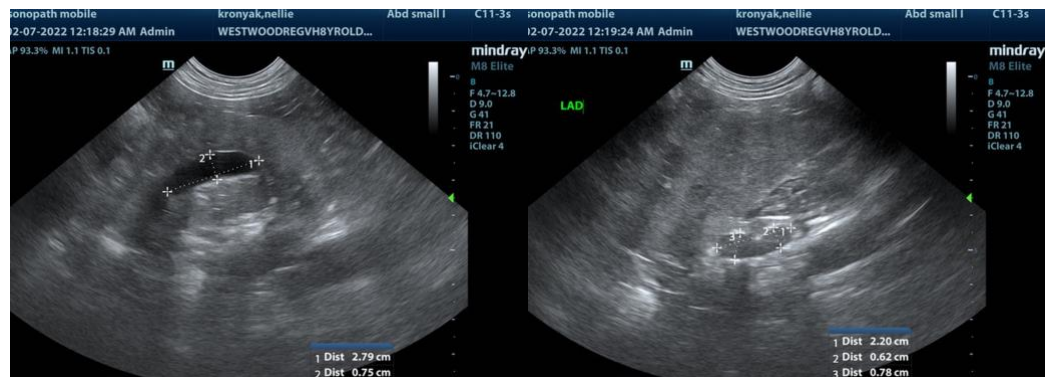
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



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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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info@SonoPath.com

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