



PATIENT

Lilly Welter

SPECIES

Canine

BREED

Labrador Retriever X

SEX

Female

AGE

1 Year 6 Months

WEIGHT

35.6 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Harold Mike Beard

HOSPITAL NAME

West Prince AH

REFERRING VET

Dr. Greg Hartman

INVOICE

34203

DATE

1/13/22

PRESENTING CLINICAL SIGNS

Chronic renal disease first diagnosed 7/16/21.
Abnormal PE/Chem/CBC/UA Results: Weak, pale mm, dehydrated. CBC = anemia (hem 25), neutrophilic leukocytosis, monocytosis. Chemistry = BUN >130, crea >11. Urine is dilute.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** presented polypoid changes with echogenic urine, most consistent with chronic cystitis. A minimal amount of urine was present at the time of the sonogram.

The **left kidney** was severely dysplastic with disrupted architecture, thickened irregular cortices, and deviated and disrupted pelvis. Blood flow was subnormal. The left kidney measured 4.0 cm.

The **right kidney** was severely dysplastic and subnormal in size, measuring 2.0 cm with severely disrupted architecture.

Adrenal Glands

The **left adrenal gland** 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 0.5 cm.

The region of the **right adrenal gland** was imaged, no evident pathology.

Spleen

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

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

The **stomach** was overdistended with fluid, consistent with ileus. The small intestine and colon were mildly thickened. Minor reactive mesentery noted.

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.

ULTRASONOGRAPHIC FINDINGS

- Primary renal dysplasia - severe on the right, moderate to severe on the left with disrupted architecture.
- Gastric ileus owing to azotemia



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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Prognosis is poor. Humane euthanasia should be considered in this patient. The breeding line should be evaluated for similar changes and variable degree of renal dysplasia.

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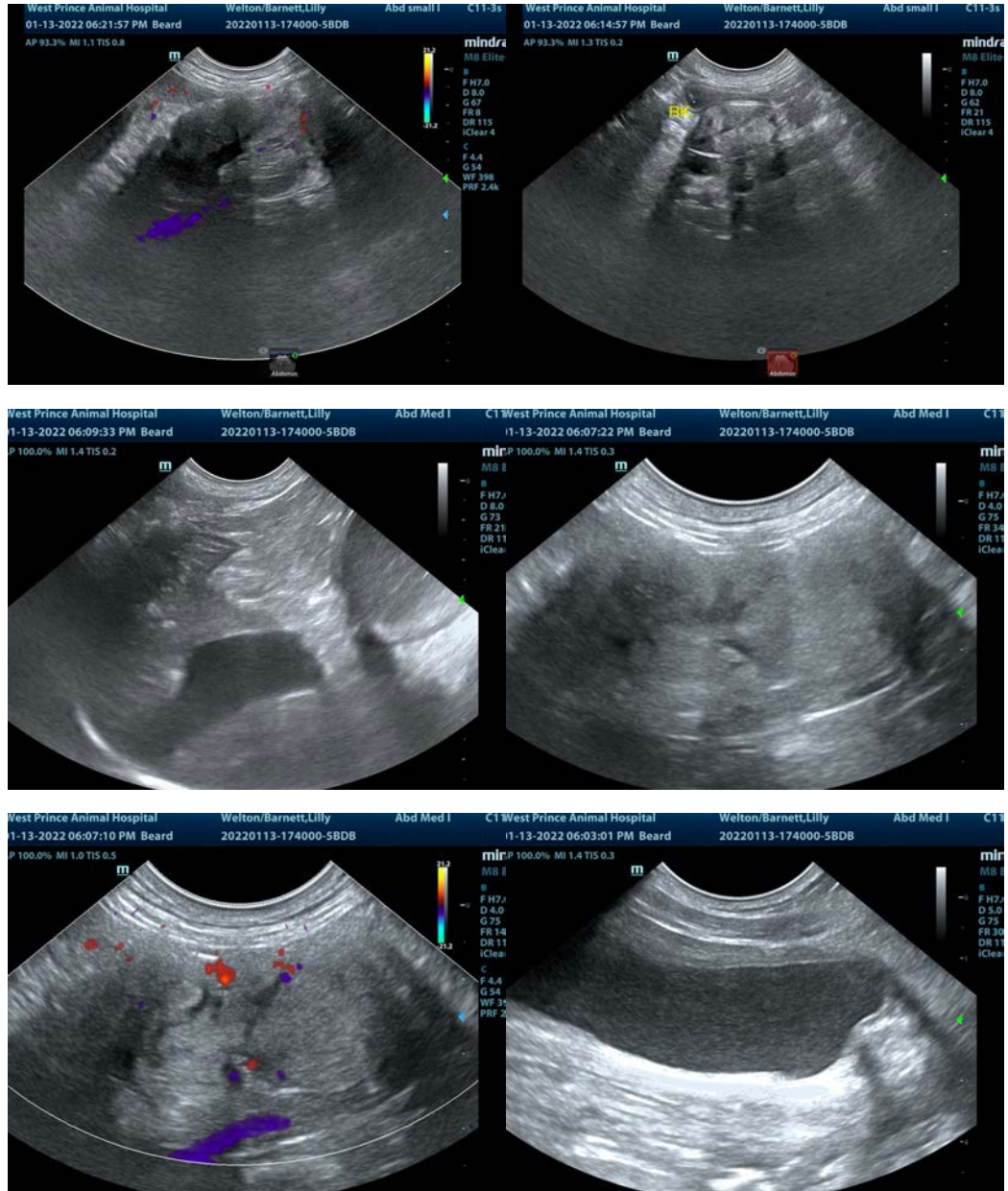
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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