



**PATIENT PRESENTING CLINICAL SIGNS**

Bentley Postal History: Congenital renal dysplasia, weakness, decreased appetite, lethargy  
Medication: k/d, Cytopoint, Gabapentin, Trazodone, Dasuquin

**SPECIES**  
Canine  
BUN 32, Creatinine 2.1, Amylase 2325, HCT 27.9  
USG 1.010

**BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Lab Mix **Urinary System**

**SEX**  
Male  
The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths, sediment, or calculi. The ureteral papillae were normal without evidence of pathology. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted. No evidence of urinary bladder masses was noted.

**AGE**  
9 years  
The prostate was enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 6.1 cm diameter.

**WEIGHT**  
100 Pounds  
The area of the aortic trifurcation was free of pathology.

**INTERPRETED BY**

R. McKenzie Daniel, DVM, DABVP (Canine and Feline)  
The bilateral kidneys presented enlarged size with severe hydronephrosis exhibited by anechoic fluid, replacement of discernable corticomedullary parenchyma. Concurrent diffuse, variable yet severe left and right hydroureter was present. The dilated ureters contained subjective anechoic fluid without overt evidence of calculi, stricture, or overt ureteral masses to the approximate level of the ureteral papillae. The left kidney measured 12.0 cm in length. The right kidney measured 15.0 cm in length.

**IMAGING PERFORMED BY**

Rebekah Jakum, CVT  
ARDMS/RVT

**Adrenal Glands**

The left and right adrenal glands were not definitively visualized.

**HOSPITAL NAME**

The Village Veterinarian

**Spleen**

The spleen exhibited sectorial to generalized enlargement with areas of variable parenchymal expansion with associated swollen to asymmetrical capsule contour. Potential for isoechoic to nonhomogeneous mass effect was noted subjectively in the mid to caudal spleen, measuring approximately 7.6 cm in diameter.

**REFERRING VET**

Dr. Longanecker

**Liver/ Gallbladder**

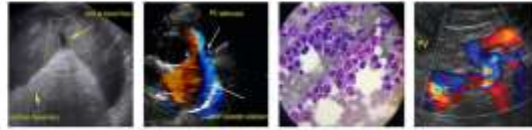
The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

**INVOICE**

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**DATE**

11.2.2021



**PATIENT**

***Gastrointestinal***

Bentley Postal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction, or foreign material.

**SPECIES**

Canine

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction, or foreign material.

Normal visible colon wall layers were present with apparent formed feces in lumen.

**BREED**

Lab Mix

***Pancreas***

The parenchyma of the left limb, body, and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease were evident.

**SEX**

Male

***Free Abdomen***

No overt lymphadenopathy or peritoneal effusion was present.

**AGE**

9 years

The left testicle was enlarged in size owing to mildly expansive, nonhomogeneous mass measuring approximately 4.3 cm in diameter. The right testicle was sonographically unremarkable.

**WEIGHT**

100 Pounds

**ULTRASONOGRAPHIC FINDINGS**

***Primary Findings***

- Left testicular mass
- Bilateral severe, subjectively end-stage hydronephrosis with concurrent generalized severe left and right hydroureter to the level of the ureteral papillae - hydroureter subjectively more pronounced in the left ureter
- Sonographically unremarkable urinary bladder
- Benign prostatic hyperplasia, minor potential for prostatitis
- Sectorial to generalized splenomegaly with nonhomogeneous parenchyma and indistinct mass effect - hyperplasia, hematopoiesis, splenitis, or neoplasia possible

**INTERPRETED BY**

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DVM, DABVP  
(Canine and Feline)

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The Village  
Veterinarian

**REFERRING VET**

Dr. Longanecker

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Although not reflected in the recent renal parameters, little to no discernable cortical parenchyma was noted in both kidneys indicating that functionality of the kidneys is minimal at best. An obvious cause of left or right ureter obstruction was not definitively evident yet cannot be definitively excluded, given the severity of bilateral hydroureter, as well as subjective end-stage hydronephrosis.

Advanced imaging could be considered for further assessment, yet given the severity of the hydronephrosis, an unfavorable long-term prognosis is likely indicated.

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Assuming normal clotting status, ultrasound-guided FNA of the spleen using a 25-gauge needle could be considered for further assessment.

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Lab Mix

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**WEIGHT**

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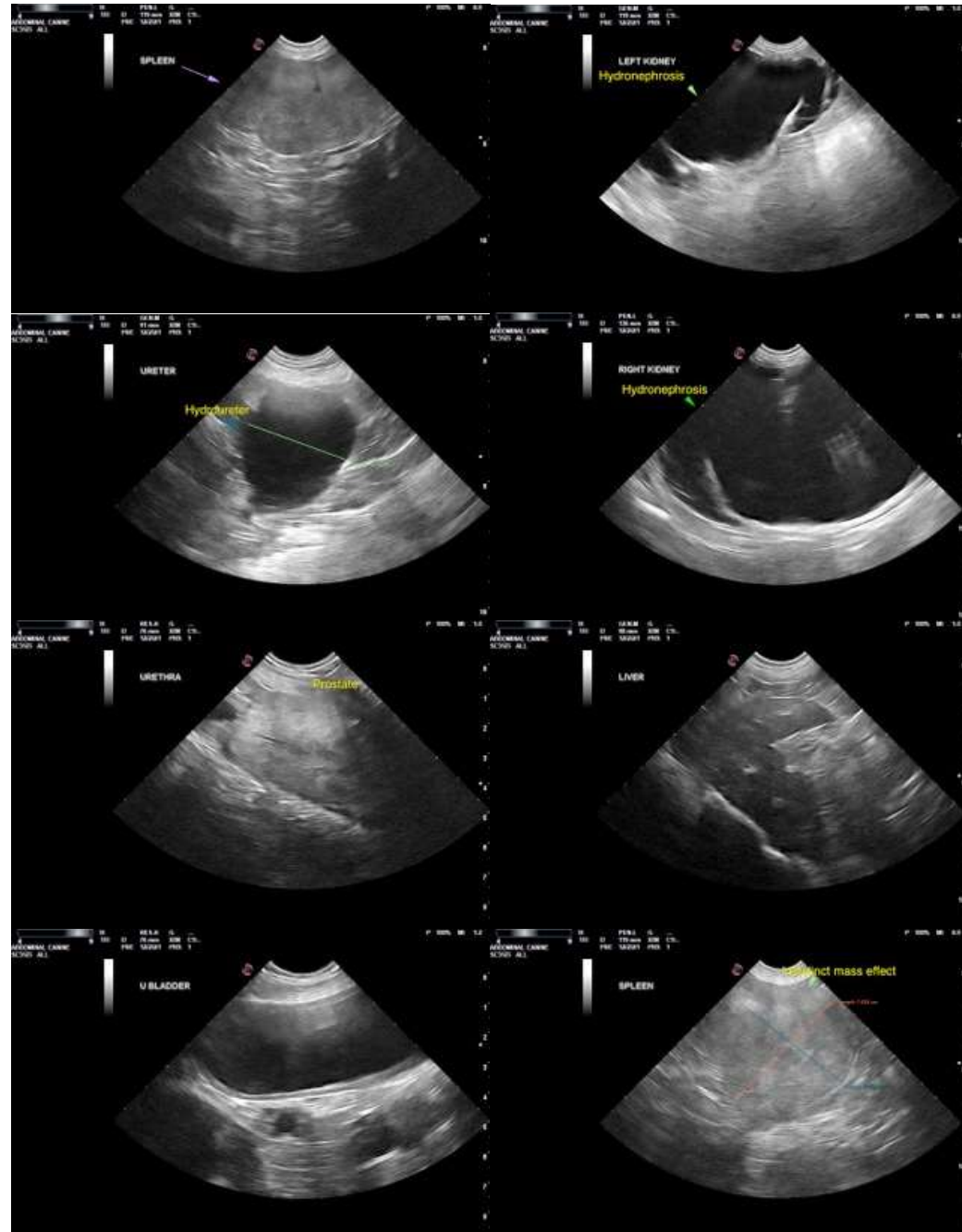
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**SPECIES**

Canine

**BREED**

Lab Mix

**SEX**

Male

**AGE**

9 years

**WEIGHT**

100 Pounds



**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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