



**PATIENT PRESENTING CLINICAL SIGNS**

Kip Kubala History: Not acting normal, not eating  
 Abnormal PE/Chem/CBC/UA Results: CBC/Chem wnl

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED**

Golden Retriever

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

**SEX**

Male

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 6.9 cm in length. The right kidney measured 6.2 cm in length.

**AGE**

7 years

The area of the aortic trifurcation was free of pathology.

**WEIGHT**

81 pounds

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 with a small parenchymal cyst. The prostate measured 4.3 cm x 3.5 cm.

**INTERPRETED BY**

R. McKenzie Daniel,  
 DVM, DABVP  
 (Canine and Feline)

The bilateral testicles were unremarkable.

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.59 cm width at the caudal pole and 3.3 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.55 cm width at the caudal pole and 3.3 cm length.

**IMAGING PERFORMED BY**

Rebekah Jakum, CVT  
 ARDMS/RVT

**Spleen**

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

**HOSPITAL NAME**

Littlestown Veterinary  
 Hospital

**REFERRING VET**

Dr. Kubala

**Liver**

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. 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 with mild hyperechoic linear appearing luminal sludge. The cystic and common bile ducts were normal.

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**Gastrointestinal**



**PATIENT**

Kip Kubala

The stomach presented intact yet subjective prominent wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material. The ventral gastric body wall measured up to 1.0 cm in width including the gastric mucosa.

**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.

**BREED**

Golden Retriever

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

**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 was evident.

**SEX**

Male

**Free Abdomen**

No overt lymphadenopathy or peritoneal effusion was present.

**AGE**

7 years

**ULTRASONOGRAPHIC FINDINGS**

**WEIGHT**

81 pounds

- Benign prostatic hyperplasia, minor potential for prostatitis
- Subjective gastritis
- Sonographically unremarkable small bowel
- Minor gallbladder sludge-likely incidental potentially secondary to fasting or non-clinical cholestasis

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DVM, DABVP  
(Canine and Feline)

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Sonographically the GI presentation is suggestive of gastritis; however this finding is subjective given lack of reported clinical GI signs such as vomiting. The potential for structurally insignificant inflammatory gastroenteropathy cannot be definitively excluded. No overt evidence of abdominal visceral pathology as an obvious cause of the patient's clinical signs. Although considered unlikely given the normal bilateral adrenal presentation, a resting cortisol level to rule out Addison's disease could be considered. As needed supportive care and empirical therapy for gastritis if clinically indicated would be reasonable.

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**SPECIES**

Canine

**BREED**

Golden Retriever

**SEX**

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**AGE**

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**WEIGHT**

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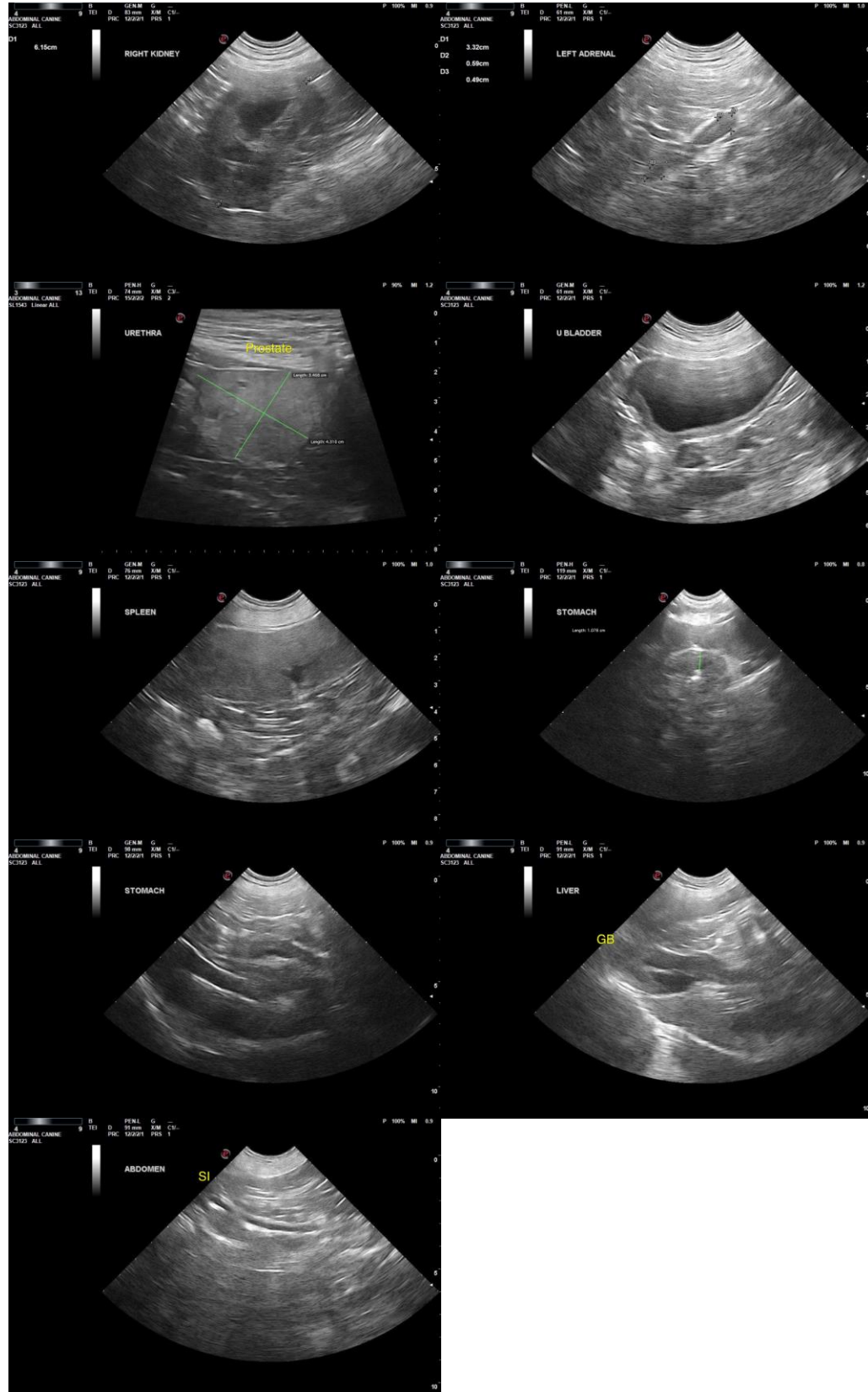
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**PATIENT**

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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.

**SPECIES**

Canine

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.

**BREED**

Golden Retriever

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)  
[mac.daniel@sonopath.com](mailto:mac.daniel@sonopath.com)

**SEX**

Male

**AGE**

7 years

**WEIGHT**

81 pounds

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