



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT**  
Riley Wachholder  
**SPECIES**  
Canine  
**BREED**  
Mix  
**SEX**  
Spayed female  
**AGE**  
8 years 5 months  
**WEIGHT**  
16 pounds

**History:** Reason for Visit: routine ultrasound/exam  
**History:** Approx 8yr old spayed mix dog presented for annual ultrasound and exam. Pet was seen recently for red, squinty eyes. Stain performed-neg per other clinic and sent home on steroid eye drops. Pet lost balance recently and has been scratching at the ears.

**Abnormal PE/Chem/CBC/UA Results:** CV/Respiratory: Normal heart rate and rhythm, no murmur, pulses strong and synchronous, normal bronchovesicular sounds. EENT: Clear OU and AU. No nasal discharge. No cough on tracheal palpation. Oral cavity: Teeth look clean, but most of them showed gingival recession (root exposure). Musculoskeletal: BCS = 4/9. Ambulatory x 4. R side of face looks sl swollen (firm) Uro/Perineum: No significant lesions Abd/GI: Soft, non-painful. No masses or fluid wave palpated Lymph Nodes: No peripheral lymphadenopathy Neurological: Alert and appropriate. No significant abnormalities Skin: Good hair coat. No ectoparasites seen Mentation: BAR Hydration: N

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 cm 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.

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 4.5 cm in length. The right kidney measured 4.7 cm in length.

The area of the aortic trifurcation was free of pathology.

**Adrenal Glands**

The left adrenal gland was not definitively visualized and without overt pathology in the area. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland was indistinctly visualized without evidence of pathology subjectively measuring 0.63 cm width at the caudal pole and 0.61 cm width at the cranial pole.

**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.

**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 moderate nondependent yet nonorganized and nonmineralized debris occupying the majority of the

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DVM, DABVP  
(Canine and Feline)

**IMAGING PERFORMED BY**  
Dr. Rivera

**HOSPITAL NAME**

DPC Veterinary  
Hospital

**REFERRING VET**

Dr. Rivera

**INVOICE**

10280ag

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gallbladder lumen. The gallbladder walls were sonographically normal without evidence of inflammatory criteria or peripheral inflammation. The cystic and common bile ducts were normal.

**Gastrointestinal**

**SPECIES**

Canine

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.

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**

Mix

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

**Pancreas**

**SEX**

Spayed female

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.

**AGE**

8 years 5 months

**Free Abdomen**

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

**WEIGHT**

16 pounds

**ULTRASONOGRAPHIC FINDINGS**

- Sonographically unremarkable abdomen.
- Moderate nonorganized gallbladder debris (non-mucocele).

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No evidence of significant abdominal pathology was noted. The gallbladder debris is nonspecific yet may suggest some degree of non-clinical cholestasis. Assessment of T4 levels could be considered if not recently done. Ursodiol therapy is recommended if clinical evidence of cholestasis.

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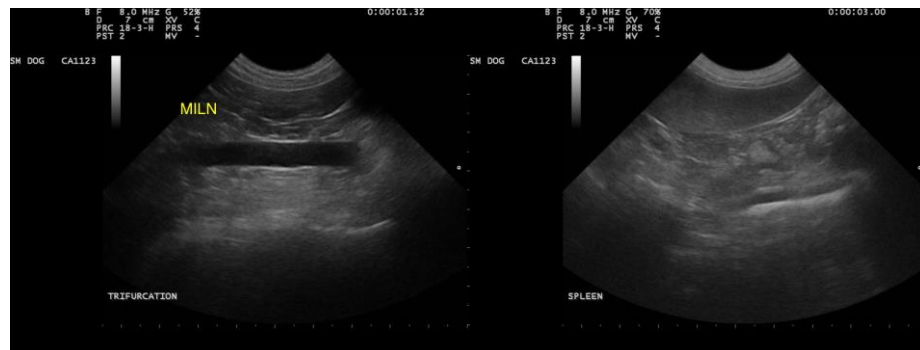
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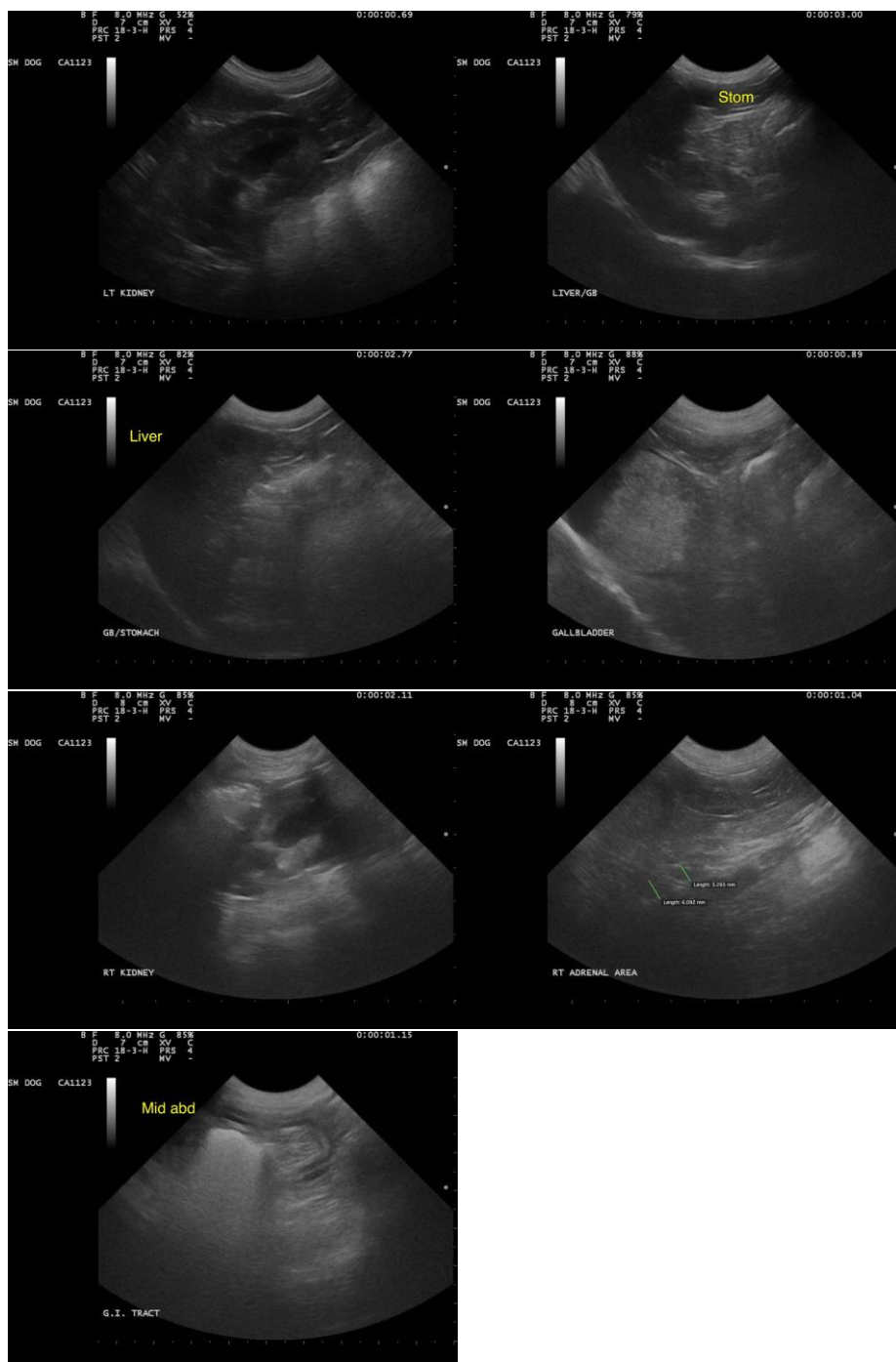
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)



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