



**PATIENT**

Hahn Bowers

**SPECIES**

Canine

**BREED**

Portuguese Water Dog

**SEX**

Neutered Male

**AGE**

7 Years

**WEIGHT**

71 Lbs.

**INTERPRETED BY**

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

**IMAGING  
PERFORMED BY**

A. Rodriguez

**HOSPITAL NAME**

Foxfield VS

**REFERRING VET**

A. Rodriguez

**INVOICE**

12844

**DATE**

12/7/21

**PRESENTING CLINICAL SIGNS**

History: Presented for Diarrhea and intermit vomiting. Last vomited 3 days ago. Ate last night  
Abnormal PE/Chem/CBC/UA Results: WNL

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 5.0 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. Aortic trifurcation was normal.

The residual prostate was normal, measuring 0.98 cm in diameter.

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 6.1 cm in length. The right kidney measured 6.4 cm in length.

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 3.5 cm in length x 0.76 cm width at the caudal pole.

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 3.1 cm in length x 0.76 cm width at the caudal 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 mild gallbladder debris. The cystic duct and common bile ducts were normal without evidence of dilation.

**Gastrointestinal**

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was primarily empty with mild luminal gas. The gastric body wall measured 0.45 cm.

The small intestine presented intact wall layering with maintained 1:3 muscularis/mucosa ratio with segmental areas of non-obstructive jejunal ileus and segmental gas pattern. The jejunum wall measured 0.26 cm. The duodenum wall measured 0.34 cm. No overt evidence of mechanical obstruction pattern. No free fluid was noted.



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The colon was sonographically unremarkable yet containing strongly shadowing fecal material to potential past foreign bodies, primarily in the descending colon and colorectum.

**Pancreas**

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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.

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**Free Abdomen**

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A focal mid ventral abdominal mesenteric lymph node was present. These lymph nodes were homogenous, mildly hypoechoic and smoothly marginated. A normal width: length ratio was maintained (<0.5). Evidence of perilymphatic inflammation was evident. The mesenteric lymph node measured 1.0 cm in diameter.

**AGE**

7 Years

**ULTRASONOGRAPHIC FINDINGS**

- Mild, potentially resolving, gastroenteritis pattern with segmental non-obstructive jejunal ileus and mild to moderate gas
- Strongly shadowing colonic material/feces

**WEIGHT**

71 Lbs.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The possibility of focal areas of non-obstructive small intestinal foreign bodies, given the appearance of the provided abdominal X-rays, cannot be definitively excluded. However, with lack of an obstructive pattern and with only areas of subjective mild metabolic ileus, no immediate indication for surgical intervention. It is suspected that the majority of the radio dense material or objects are primarily in the colon. Monitoring of defecation over the next 24-48 hours recommended. As needed gastrointestinal support and medical therapy for enterocolitis suggested.

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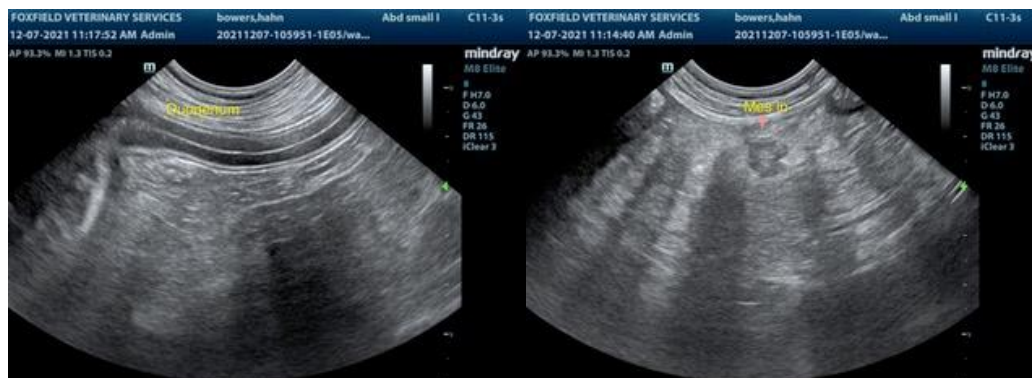
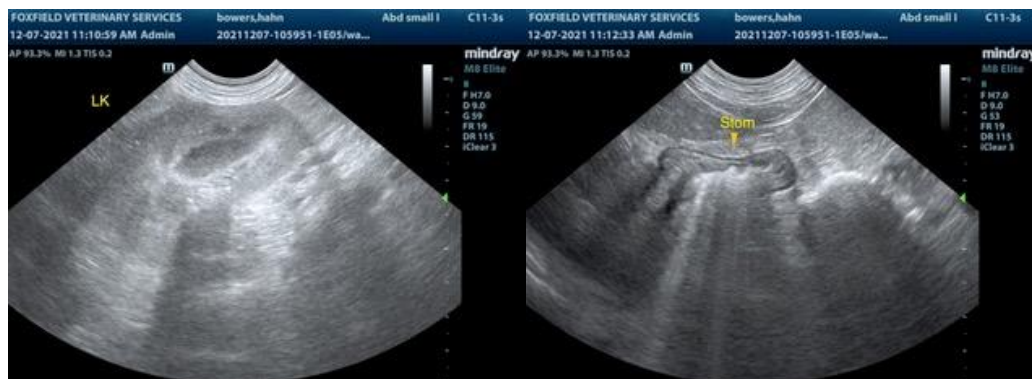
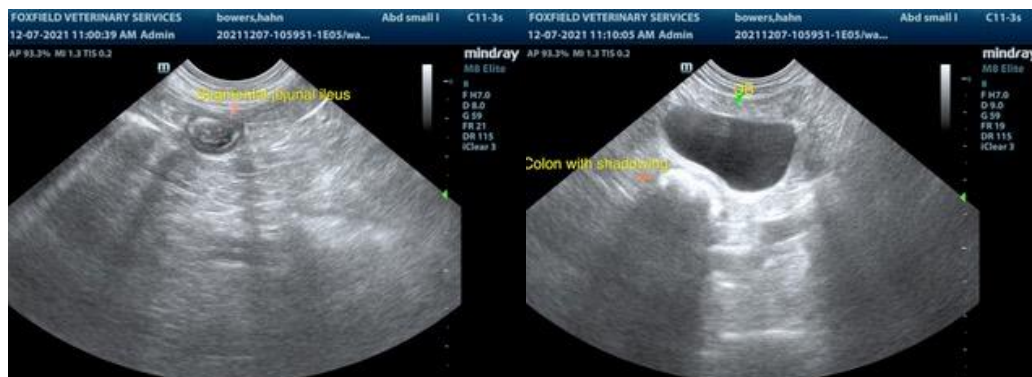
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



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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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