



**PATIENT**

Oliver Meeker

**SPECIES**

Canine

**BREED**

Boston Terrier

**SEX**

Neutered Male

**AGE**

2.5 Years

**WEIGHT**

26 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Tessa Maggiulli

**HOSPITAL NAME**

Willamette VH

**REFERRING VET**

Dr. Tessa Maggiulli

**INVOICE**

17542

**DATE**

10/3/22

**PRESENTING CLINICAL SIGNS**

History: Acute onset vomiting diarrhea, hx of periodic regurg all life, Z/D trial, OSU workup, famotidine, recently changed to omeprazole, Wednesday workup at OSU-for barium swallow which was normal. rested gi tract on Saturday, OSU planning to perform GI biopsies via endoscopy soon. P vomited stuffing on Saturday. diarrhea with some blood is new p normally takes Prozac 20mg SID, Apoquel 5.4mg SID, Omeprazole 10mg BID, Provable SID, and Cytoint.

Abnormal PE/Chem/CBC/UA Results:CBC: Hct 51.5%, normal wbc (10.65), low normal platelets(161) Chem17: NSF EPOC: NSF. Hct 48% Cortisol: Negative for Addisons. (4.58)

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized, and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 4.0 cm. The right kidney measured 4.1 cm. Blood flow to the kidneys appeared to be adequate.

**Adrenal Glands**

Both **adrenal glands** were 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, visualized obliquely. The right adrenal gland measured 0.4 cm.

**Spleen**

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

**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**

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine



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demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

## Pancreas

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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.

## BREED

Boston Terrier

## ULTRASONOGRAPHIC FINDINGS

- Structurally unremarkable abdomen

## SEX

Neutered Male

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of significant visceral or obstructive disease. GI supportive protocol with 24-hour NPO is warranted. Endoscopy would be ideal to obtain mucosal biopsies, yet no evidence of foreign bodies noted. The gastric lumen was empty. Underlying helicobacter could be playing a role; however, food intolerance or esophageal disease should also be considered as potentials.

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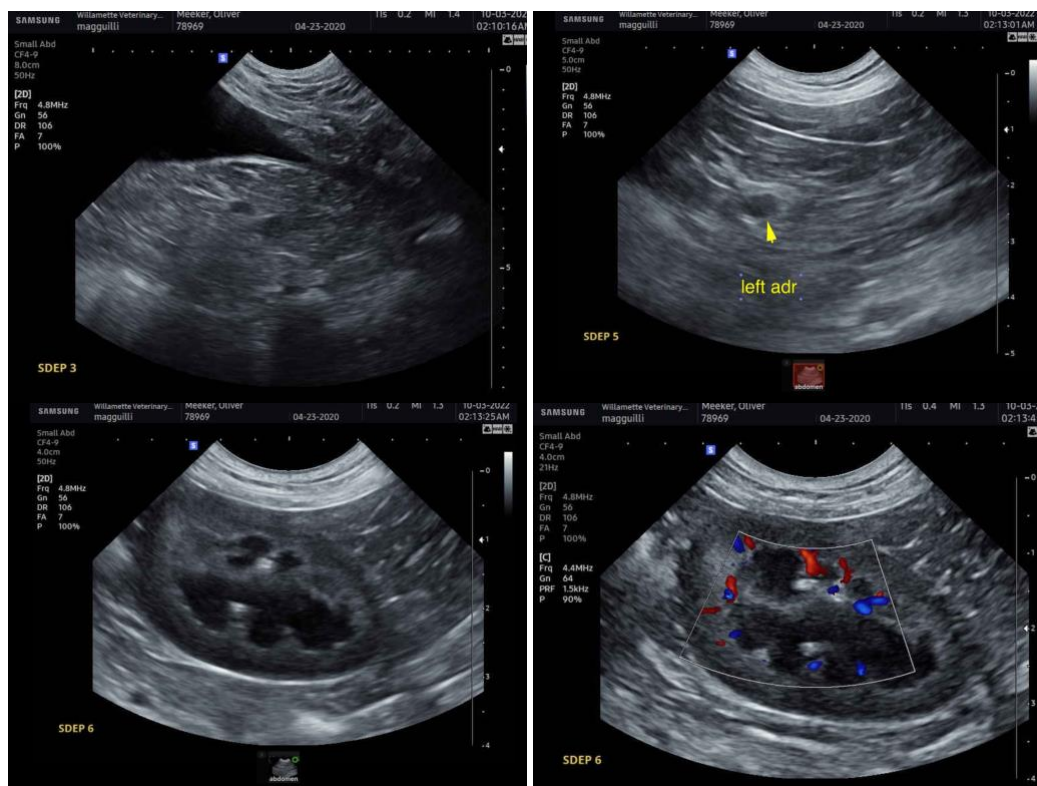
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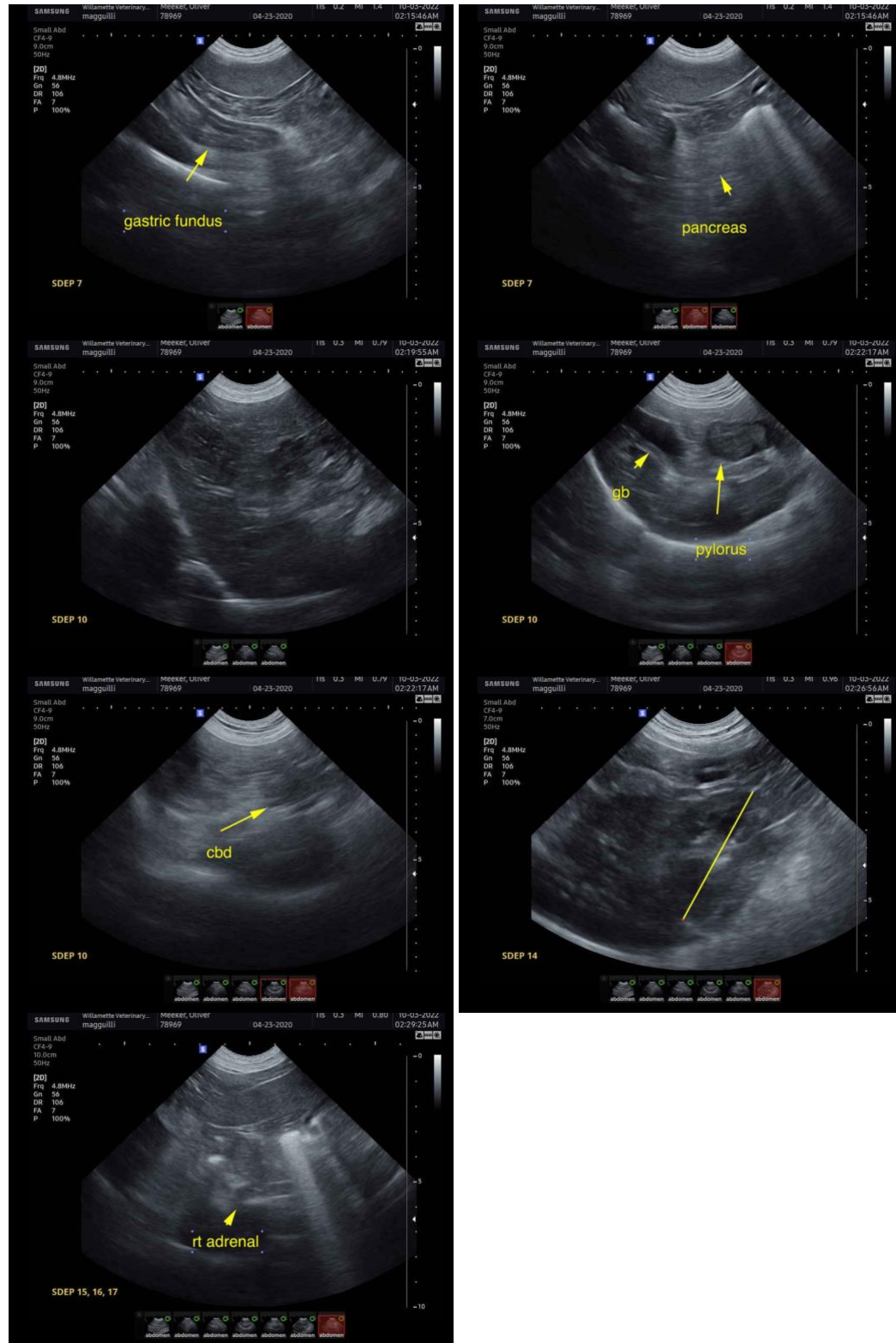
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not



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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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**Eric Lindquist**, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com  
info@SonoPath.com

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