



**PATIENT**

Theodore Latimer

**SPECIES**

Canine

**BREED**

English Springer  
Spaniel

**SEX**

Neutered male

**AGE**

11 ½ years

**WEIGHT**

24.1 kg

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Dr. Trudeau

**HOSPITAL NAME**

Petworks

**REFERRING VET**

Dr. Trudeau

**INVOICE**

91198

**DATE**

8/12/21

**PRESENTING CLINICAL SIGNS**

History: Since the new year; he has been vomiting 3-4x/week; recently that has increased and his appetite has decreased; seems more lethargic; cranial palpation of the abdomen seems uncomfortable where he will grunt when palpated; since starting Cerenia earlier in the week his vomiting has stopped and his appetite increased a bit normal

Jun 2021 -CBC/Chem: mild increase ALP 215 (23-212 U/L); otherwise NSF

**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 was noted. Ureteral papillae were normal.

The residual prostate was uniform and measured 1.15 cm.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Slight, pinpoint mineralization was noted. The right kidney measured 7.11 cm. The left kidney measured 6.51 cm.

**Adrenal Glands**

The right **adrenal gland** was 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 right adrenal gland measured 0.74 cm at the cranial pole and 0.68 cm at the caudal pole. The left adrenal gland revealed a heterogenous cranial pole with minor enlargement measuring 1.07 cm at the cranial pole and 0.87 cm at the caudal pole.

**Spleen**

The **spleen** was largely smooth with subtle heterogeneous parenchymal changes while maintaining normal echogenic relationship to the liver and kidney. These changes are consistent with normal age-related alteration. The capsule was smooth without noticeable impingement from within the spleen or from pathology in the adjacent abdomen. The splenic vasculature demonstrated normal volume without signs of congestion or significant contraction. No evidence of active acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

**Liver**

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not



<b>PATIENT</b>	clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. Minor gallbladder polyps were noted, yet were not pathological.
Theodore Latimer	
<b>SPECIES</b>	<b>Gastrointestinal</b>
Canine	The <b>stomach</b> revealed a minor amount of retained ingesta. The small intestines and colon were unremarkable.
<b>BREED</b>	<b>Pancreas</b>
English Springer Spaniel	The base and limbs of the <b>pancreas</b> 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.
<b>SEX</b>	
Neutered male	
<b>AGE</b>	<b>ULTRASONOGRAPHIC FINDINGS</b>
11 ½ years	Age related hepatic, splenic and renal changes. Left adrenal enlargement.
<b>WEIGHT</b>	<b>INTERPRETATION OF THE FINDINGS &amp; FURTHER RECOMMENDATIONS</b>
24.1 kg	There was no evidence of visceral disease responsible for the clinical signs. Referred back pain may be an underlying issue causing abdominal tension. Food intolerance, Helicobacter or similar may be playing a role with the gastrointestinal tract. Hydrolyzed diet may be in this patient's best interest long term. There was no evidence of significant disease other than minor left adrenal enlargement. If the patient appears Cushingoid and isosthenuria is present then work-up for Cushing's would be indicated.
<b>INTERPRETED BY</b>	
Eric Lindquist, DMV DABVP, Cert. IVUSS	
<b>IMAGING PERFORMED BY</b>	<b>Helicobacter/Gastritis protocol</b>
Dr. Trudeau	A clinical trial of <b>Zithromax (Dogs: 5-10 mg/kg p.o. q24h. May increase dosing interval to q48h after 3-5 days of treatment), Metronidazole (10-20 mg/kg p.o. b.i.d.), Sucralfate (0.5-2 g/dog PO) and Omeprazole (1 mg/kg p.o. s.i.d.)</b> over the next 3 weeks along with a <b>novel-protein or hydrolyzed diet</b> with slurry feeding b.i.d./t.i.d. over the next 2-4 days and then increase to canned diet bid. Dry food should be avoided over the next 4 weeks. A recheck sonogram to assess GI improvement or progression would be ideal in 4 weeks.
<b>HOSPITAL NAME</b>	
Petworks	
<b>REFERRING VET</b>	
Dr. Trudeau	
<b>INVOICE</b>	
91198	
<b>DATE</b>	
8/12/21	



**PATIENT**

Theodore Latimer

**SPECIES**

Canine

**BREED**

English Springer Spaniel

**SEX**

Neutered male

**AGE**

11 ½ years

**WEIGHT**

24.1 kg

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Trudeau

**HOSPITAL NAME**

Petworks

**REFERRING VET**

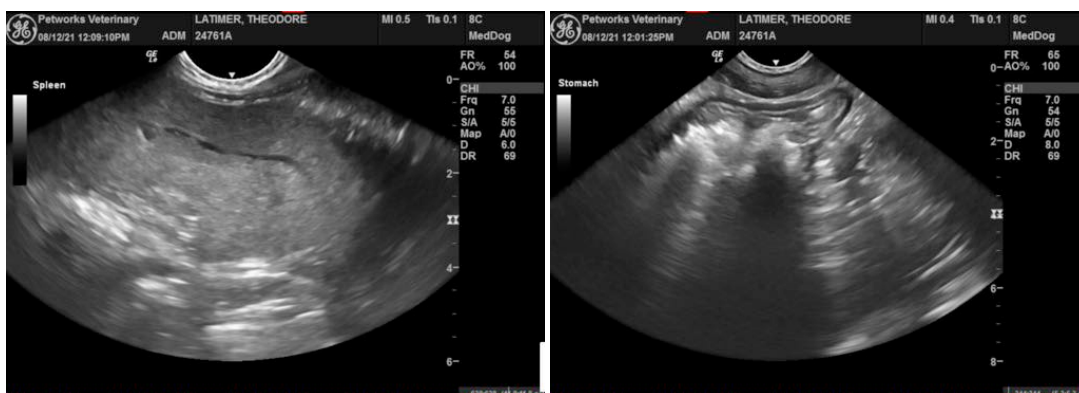
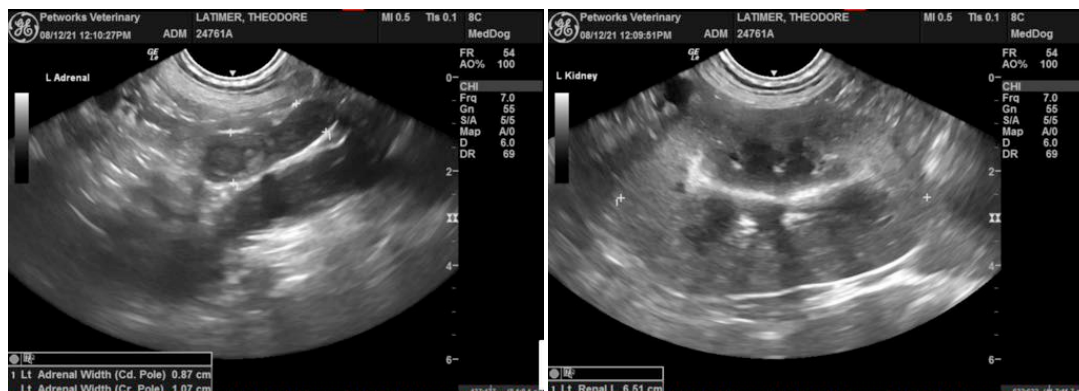
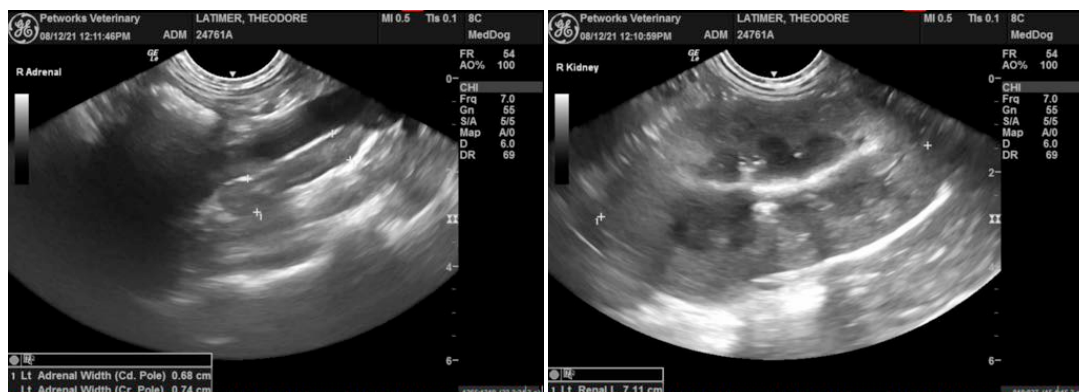
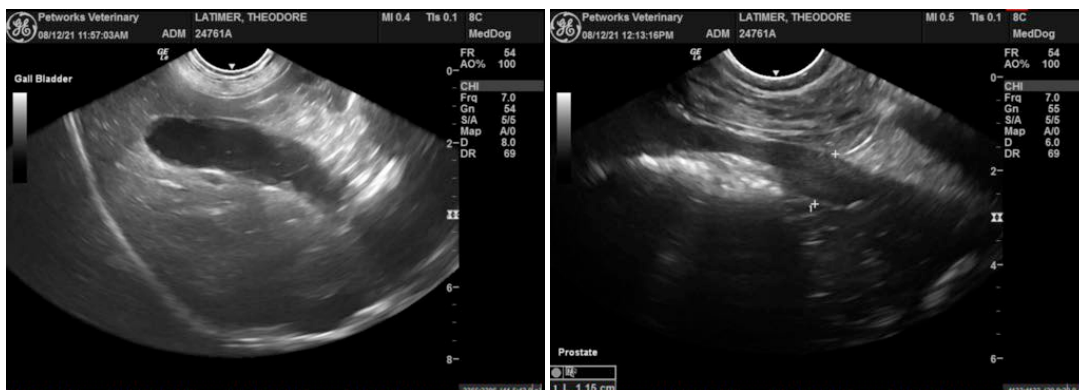
Dr. Trudeau

**INVOICE**

91198

**DATE**

8/12/21





**PATIENT**

Theodore Latimer

**SPECIES**

Canine

**BREED**

English Springer  
Spaniel

**SEX**

Neutered male

**AGE**

11 ½ years

**WEIGHT**

24.1 kg

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Dr. Trudeau

**HOSPITAL NAME**

Petworks

**REFERRING VET**

Dr. Trudeau

**INVOICE**

91198

**DATE**

8/12/21



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.

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