



**PATIENT**

Elly Elizabeth Hayden

**SPECIES**

Canine

**BREED**

English Springer  
Spaniel

**SEX**

Spayed Female

**AGE**

12 ½ years

**WEIGHT**

42 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Dr. Kirk

**HOSPITAL NAME**

Shiloh AH

**REFERRING VET**

Dr. Kirk

**INVOICE**

98160

**DATE**

4/8/22

**PRESENTING CLINICAL SIGNS**

History: Chronic intermittent episodes of diarrhea that respond to metronidazole. Currently eating Hill's I/D dry food and Purina canned EN. Most recently appetite declined about fifty percent and vomited once. Diarrhea initially responded to metronidazole but relapsed- small amount of hematochezia. Tenesmus reported. Started on Cerenia, propectalin and Tylan powder.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 3.0 cm beyond the cystourethral junction. 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 **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 right kidney measured 5.85 cm. The left kidney measured 6.17 cm.

**Adrenal Glands**

The regions of the **adrenal glands** were imaged with no evidence of pathology.

**Spleen**

The **spleen** revealed hyperechoic, lipogranulomatous type nodules, this is not pathological.

**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 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.

**Gastrointestinal**

The **gastrointestinal** presentation revealed mild uniform prominence of the gastric mucosa as well as areas of "ropey" small intestinal wall with slight disruption of the normal 1:3 muscularis/mucosal ratio. The intestinal submucosa was slightly irregular, thickened and hyperechoic suggestive of low grade, chronic disease. No concerning lymphadenopathy was visible. No evidence of obstruction was present. Chronic inflammatory bowel disease is likely with a low possibility of an early neoplastic event such as lymphoma. Full thickness tissue biopsies via open laparotomy, ideally guided by intraoperative ultrasound in order to obtain the most representative mural sample, would be necessary to rule out this possibility.



## PATIENT

Elly Elizabeth Hayden

## SPECIES

Canine

## BREED

English Springer  
Spaniel

## SEX

Spayed Female

## AGE

12 ½ years

## WEIGHT

42 lbs

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Dr. Kirk

## HOSPITAL NAME

Shiloh AH

## REFERRING VET

Dr. Kirk

## INVOICE

98160

## DATE

4/8/22

## Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxiphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

## ULTRASONOGRAPHIC FINDINGS

Non-specific, IBD GI pattern.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Occult parasitism, food intolerance and inflammatory bowel are all possible. Hydrolyzed diet, clinical trial of Enrofloxacin and Metronidazole over a 10 day period with reassessment of the clinical signs is recommended. Otherwise, unremarkable abdomen. Broad spectrum anti-parasitic protocol can also be considered.

Screening for Addison's is also indicated with baseline cortisol or ACTH stimulation.





**PATIENT**

Elly Elizabeth Hayden

**SPECIES**

Canine

**BREED**

English Springer  
Spaniel

**SEX**

Spayed Female

**AGE**

12 ½ years

**WEIGHT**

42 lbs

**INTERPRETED BY**

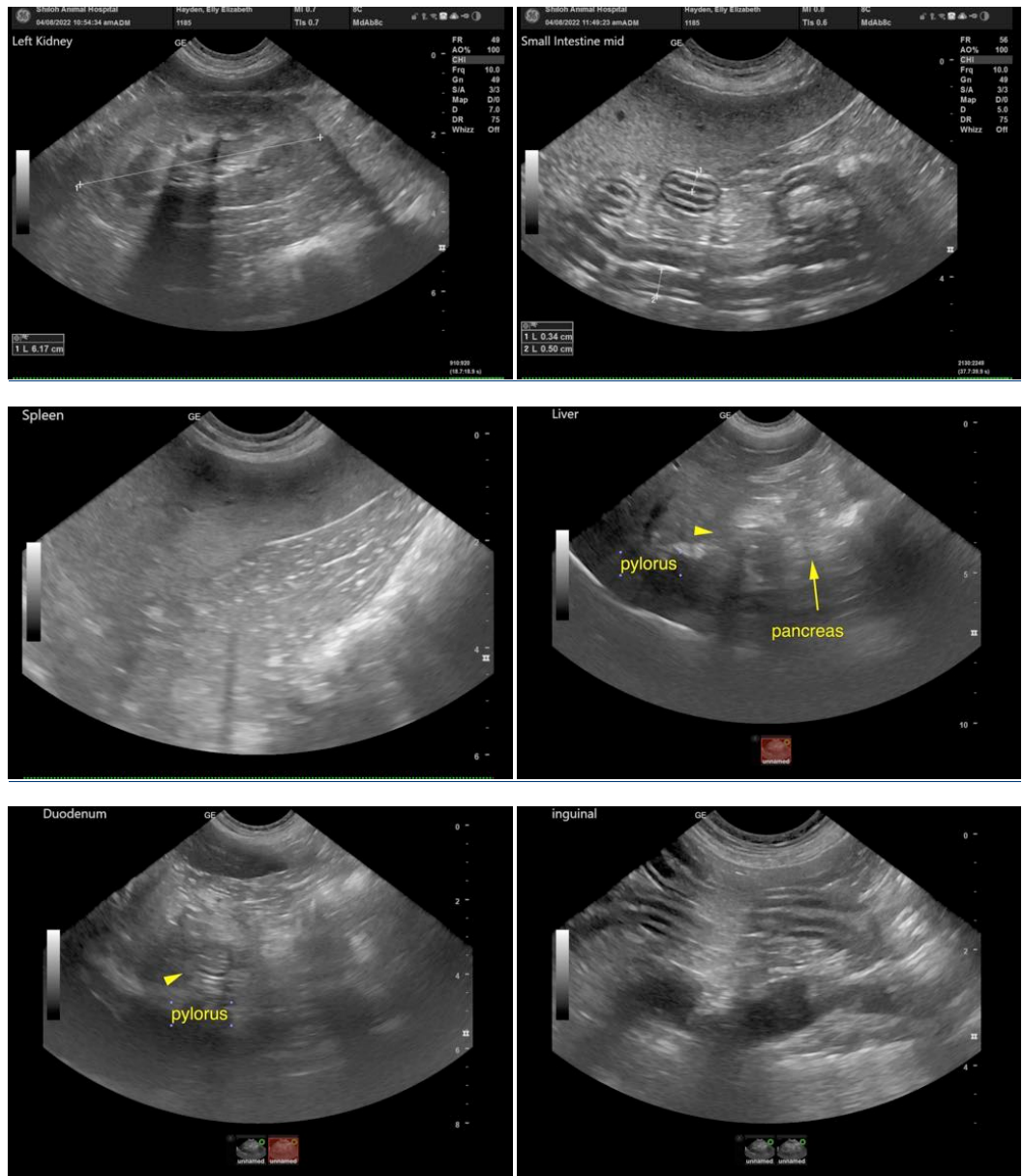
Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Dr. Kirk

**HOSPITAL NAME**

Shiloh AH



**REFERRING VET**

Dr. Kirk

**INVOICE**

98160

**DATE**

4/8/22

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.

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