



PATIENT

Hope Barbie-Apilado

SPECIES

Canine

BREED

Labrador Retriever

SEX

Spayed female

AGE

2 years

WEIGHT

25 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Wepprich

HOSPITAL NAME

Wilvet Salem

REFERRING VET

Dr. Wepprich

INVOICE

42570

DATE

1/9/23

PRESENTING CLINICAL SIGNS

History: P presents for vomiting for the last week. P had been e/d a bland food diet of rice/chicken/kibble with pumpkin & yogurt, but declined food today and was still vomiting. Her last vomit included some blood in it. P's bowel movements are unobserved.

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 1.0 cm beyond the cystourethral junction and appeared normal. 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 left kidney measured 5.4 cm.

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 0.6 cm. The right adrenal gland measured 0.8 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 was 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.



PATIENT

Hope Barbie-Apilado

SPECIES

Canine

BREED

Labrador Retriever

SEX

Spayed female

AGE

2 years

WEIGHT

25 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Weprich

HOSPITAL NAME

Wilvet Salem

REFERRING VET

Dr. Weprich

INVOICE

42570

DATE

1/9/23

Gastrointestinal

The **gastrointestinal** presentation revealed mild uniform prominence of the gastric mucosa as well as areas of "ropy" small intestinal wall with slight disruption of the normal 1:3 muscularis/mucosal ratio. The stomach was fluid filled, consistent with gastritis. The intestinal submucosa was slightly irregular, thickened and hyperechoic suggestive of low grade, chronic disease. The mesenteric lymph nodes were reactive. 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.

Pancreas

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.

ULTRASONOGRAPHIC FINDINGS

Minor intestinal thickening.

Gastritis.

Reactive mesenteric lymph nodes.

No evidence of foreign matter.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Dietary indiscretion, food intolerance, structurally significant inflammatory bowel or occult parasitism and occult Addison's are all potentials. A clinical trial of the following may prove effective; however, full thickness GI biopsies or endoscopy guided biopsies may prove effective in long term management of this patient.





PATIENT

Hope Barbie-Apilado

SPECIES

Canine

BREED

Labrador Retriever

SEX

Spayed female

AGE

2 years

WEIGHT

25 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Wepprich

HOSPITAL NAME

Wilvet Salem

REFERRING VET

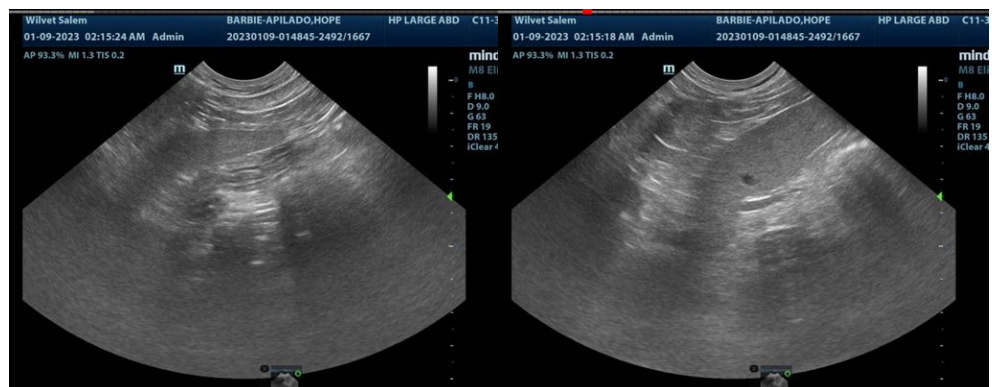
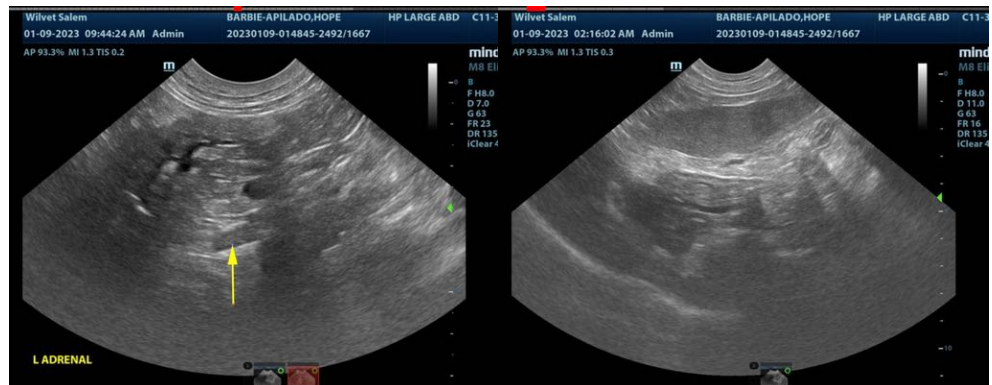
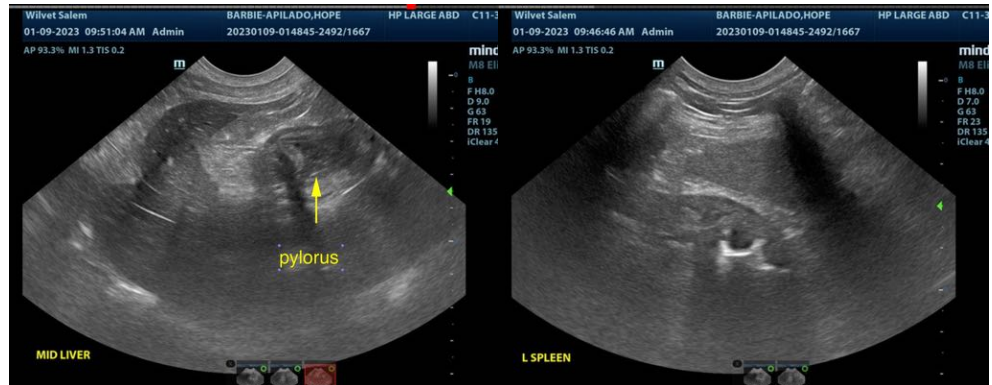
Dr. Wepprich

INVOICE

42570

DATE

1/9/23





PATIENT

Hope Barbie-Apilado

SPECIES

Canine

BREED

Labrador Retriever

SEX

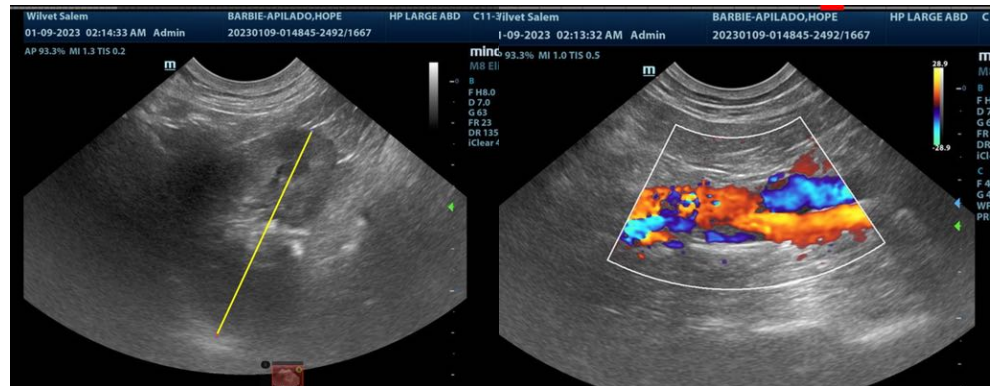
Spayed female

AGE

2 years

WEIGHT

25 kg



INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Weprich

HOSPITAL NAME

Wilvet Salem

REFERRING VET

Dr. Weprich

INVOICE

42570

DATE

1/9/23

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