



PATIENT

Meche Wilson

SPECIES

Canine

BREED

Chihuahua Smooth Coated

SEX

Sayed Female

AGE

13 Years 8 Months

WEIGHT

3.6 kg

INTERPRETED BY

Eric Lindquist, DMV, DABVP (Canine & Feline), Cert. IVUSS

IMAGING PERFORMED BY

Dr. Mariusz Chmielinski, DVM

HOSPITAL NAME

Apex VS

REFERRING VET

Alpine 24/7/ER Doctor

INVOICE

37172

DATE

5/23/26

PRESENTING CLINICAL SIGNS

History: Presented for acute vomiting (food and bile) beginning ~2 days prior, decreased appetite, abdominal discomfort, and dehydration. History of chronic heart disease on cardiac medication.

Abnormal PE/Chem/CBC/UA Results: BAR but moderately dehydrated (5–7%). Grade 4/6 heart murmur. Pot-bellied abdomen with doughy discomfort on palpation. Mild generalized muscle atrophy/weakness. Mild submandibular lymphadenopathy. Microphthalmia with mature cataract OD
CBC: leukocytosis with marked neutrophilia and monocytosis. Chemistry: elevated ALKP, GGT, amylase, and lipase; pancreatitis suspected. Radiographs: stomach distended with ingesta; rounded/enlarged liver margins with possible cranial abdominal mass effect/splenic involvement.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **bladder** in this patient was mildly thickened with slight echogenic mural changes. No calculi or masses were noted. Slight micropolypoid changes were noted. This is a frequent finding in older animals and may be linked to a history of chronic urinary tract infection or active urinary tract infection. Urinalysis would be recommended with culture if any evidence of inflammatory sediment is present. The region of the trigone and visible pelvic urethra were normal. This is a mild change.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some mild 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. The right kidney measured 4.7 cm. The left kidney measured 4.41 cm.

Adrenal Glands

The **left adrenal gland** was enlarged, measuring 1.22 cm at the caudal pole and 0.81 cm at the cranial pole.

The **right adrenal gland** was also significantly enlarged and nodular, measuring 1.6 cm at the cranial pole and 0.94 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 were noted. This is a mild change.

Liver



PATIENT

Meche Wilson

SPECIES

Canine

BREED

Chihuahua Smooth
Coated

SEX

Sayed Female

AGE

13 Years 8 Months

WEIGHT

3.6 kg

INTERPRETED BY

Eric Lindquist, DMV,
DABVP (Canine &
Feline), Cert. IVUSS

IMAGING PERFORMED BY

Dr. Mariusz
Chmielinski, DVM

HOSPITAL NAME

Apex VS

REFERRING VET

Alpine 24/7/ER Doctor

INVOICE

37172

DATE

5/23/26

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some moderate 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. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

The **gallbladder** was mildly over distended with suspended and dependent debris, yet not to the level of emerging mucocele, yet sludge appears to be mildly excessive. No adjunctive inflammation was noted.

Gastrointestinal

The **stomach** in this patient revealed excessive hypertrophy with echogenic mucosal remodeling. Wall thickness measured up to 0.88 cm. A fabric type foreign body was noted in the small intestine, measuring approximately 3.0 cm, tethered by string lodged in the stomach. The shadowing material in the stomach measured approximately 4.0 cm - 5.0 cm. The colon was unremarkable.

Pancreas

Heterogenous **pancreatic** changes were noted.

Free Abdomen

Reactive **mesentery** was noted.

ULTRASONOGRAPHIC FINDINGS

- Bilateral adrenal hypertrophy- strongly consistent with PDH
- Chronic upper GI disease - No evidence of neoplasia.
- Foreign body attachment through the pylorus, distally anchored in the mid small intestine.
- Heterogenous pancreatic changes
- Minor excessive gallbladder debris, not to the level of mucocele formation, however, should be expressed at surgery.
- Age-related urinary bladder, renal, splenic and hepatic changes

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The immediate issue in this patient is gastrointestinal foreign matter. GI biopsies are warranted. Surgeon should note that healing may be delayed owing to potential underlying cushingoid status. Manual expression of the gallbladder is recommended at the time of the surgery.

GI Foreign Body Research

According to SonoPath research presented at ECVIM 2016 (Stockholm, Sweden), Advances in Small Animal Medicine and Surgery (May 2017), and EVDI 2017 (Verona, Italy), concurrent underlying chronic inflammatory neoplastic intestinal disease can often reside in PICA patients. Therefore, surgical biopsies are essential in this case regardless of the exploratory findings.



PATIENT

Meche Wilson

SPECIES

Canine

BREED

Chihuahua Smooth Coated

SEX

Sayed Female

AGE

13 Years 8 Months

WEIGHT

3.6 kg

INTERPRETED BY

Eric Lindquist, DMV,
DABVP (Canine &
Feline), Cert. IVUSS

IMAGING PERFORMED BY

Dr. Mariusz
Chmielinski, DVM

HOSPITAL NAME

Apex VS

REFERRING VET

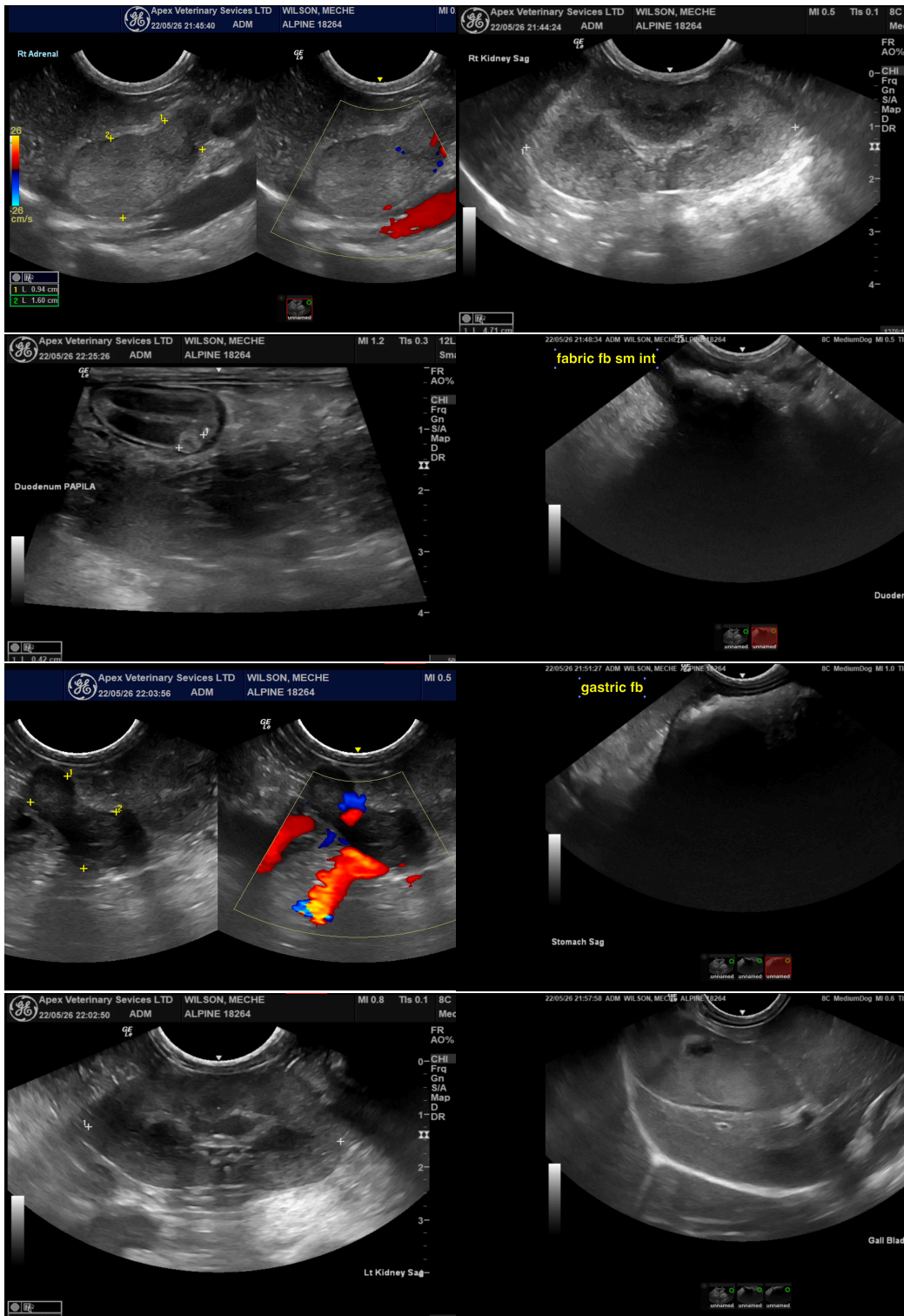
Alpine 24/7/ER Doctor

INVOICE

37172

DATE

5/23/26





PATIENT

Meche Wilson

SPECIES

Canine

BREED

Chihuahua Smooth Coated

SEX

Sayed Female

AGE

13 Years 8 Months

WEIGHT

3.6 kg

INTERPRETED BY

Eric Lindquist, DMV, DABVP (Canine & Feline), Cert. IVUSS

IMAGING PERFORMED BY

Dr. Mariusz Chmielinski, DVM

HOSPITAL NAME

Apex VS

REFERRING VET

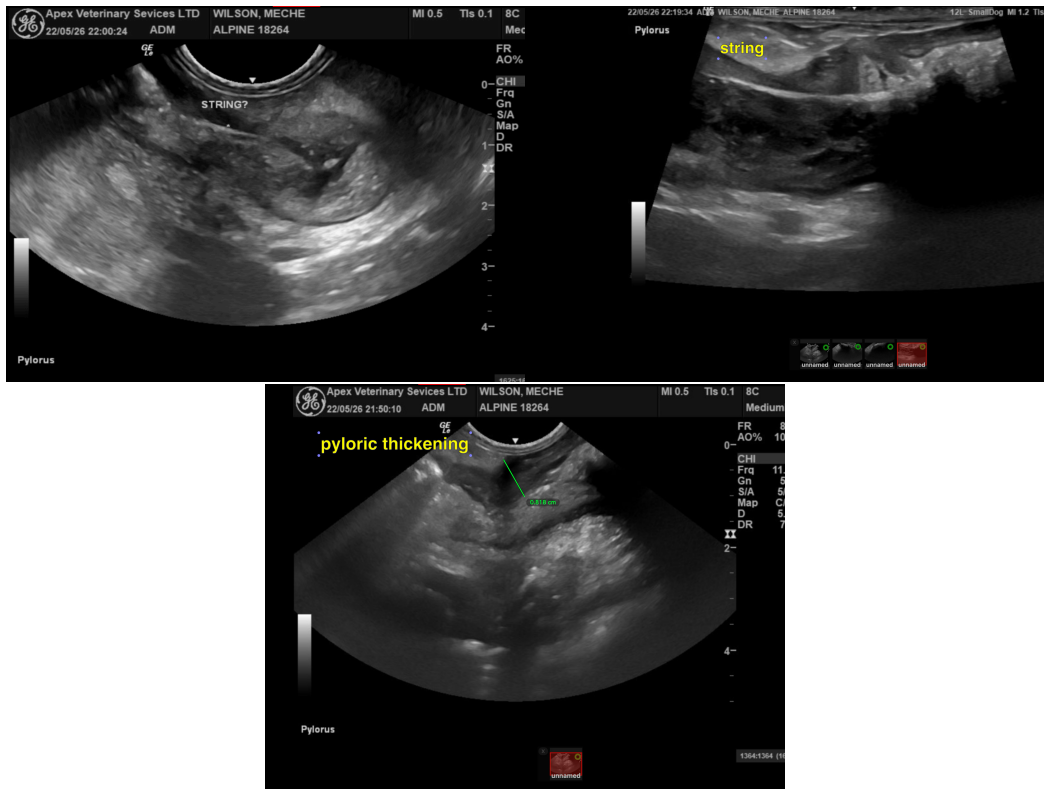
Alpine 24/7/ER Doctor

INVOICE

37172

DATE

5/23/26



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(CFM), Cert. IVUSS, CEO, Owner, Founder -- SonoPath.com
info@SonoPath.com