



PATIENT

Kash Marshall

SPECIES

Canine

BREED

Lab Retriever

SEX

Neutered Male

AGE

1 Year

WEIGHT

81.5 Lbs.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jeanine French

HOSPITAL NAME

Fredon AH

REFERRING VET

Dr. Linda Grau

INVOICE

13344

DATE

1/10/22

PRESENTING CLINICAL SIGNS

History: Vomiting off and on for 1 week, adr per owner Medications: Cerenia and Sucralfate

Abnormal PE/Chem/CBC/UA Results: wnl

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 3.0 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 right kidney measured 6.32 cm. The left kidney measured 5.89 cm. Blood flow to the kidneys appeared to be adequate.

Adrenal Glands

The **right adrenal gland** was subjectively subnormal in size and flattened. The right adrenal gland measured 1.74 cm x 0.45 cm at the caudal pole and 0.43 cm at the cranial pole.

The **left adrenal gland** was subjectively subnormal in size and flattened. The left adrenal gland measured 2.51 cm x 0.35 cm at the caudal pole and 0.46 cm at the cranial pole.

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

The **pylorus** was free of evident pathology. The small intestine and colon were unremarkable.

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.



PATIENT

Kash Marshall

SPECIES

Canine

BREED

Lab Retriever

SEX

Neutered Male

AGE

1 Year

WEIGHT

81.5 Lbs.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jeanine French

HOSPITAL NAME

Fredon AH

REFERRING VET

Dr. Linda Grau

INVOICE

13344

DATE

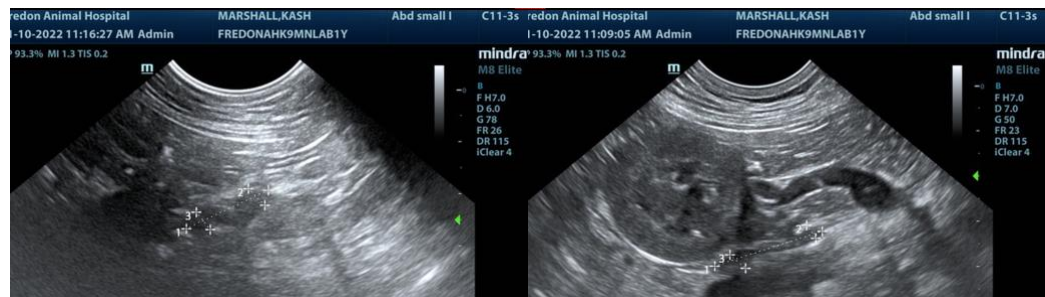
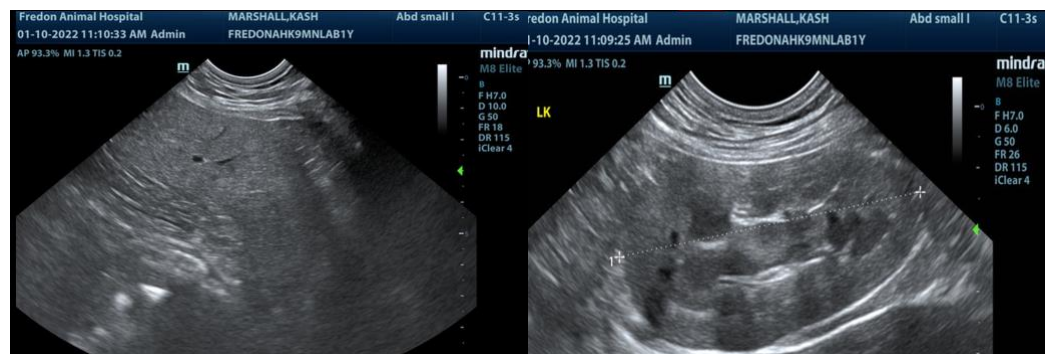
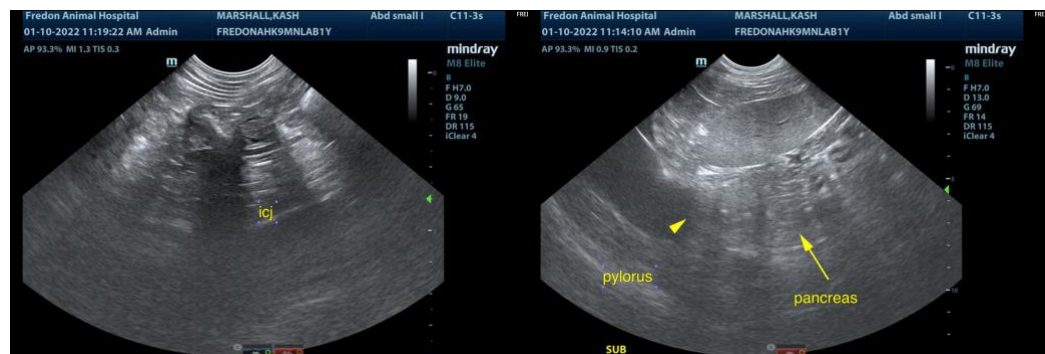
1/10/22

ULTRASONOGRAPHIC FINDINGS

- Subnormal adrenal size
- Structurally unremarkable abdomen

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Dietary indiscretion, food intolerance, structurally insignificant inflammatory bowel or occult parasitism and occult Addison's are all potentials. No evidence of foreign body. Dietary indiscretion possible. Subjectively, subnormal adrenal size, screening for Addisons indicated.



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



PATIENT

can be of any further assistance please contact me.

Kash Marshall

SPECIES

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

Canine

BREED

Lab Retriever

SEX

Neutered Male

AGE

1 Year

WEIGHT

81.5 Lbs.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Jeanine French

HOSPITAL NAME

Fredon AH

REFERRING VET

Dr. Linda Grau

INVOICE

13344

DATE

1/10/22