



PATIENT PRESENTING CLINICAL SIGNS

Louie Natale Vomited food/bile, lethargic, shaking. Current meds: LRS, Pepcid, Metro
Abnormal PE/Chem/CBC/UA Results: BUN 40, remainder wnl.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

BREED 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.

Shih Tzu

SEX The residual prostate measured 0.5 cm.

Neutered male

AGE 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. Slight pinpoint mineralization was noted. However, this is a common finding in this breed and is a normal variant. Hyperechoic medullary rim sign was noted, which is a normal variant for this breed. The right kidney measured 3.25 cm. The left kidney measured 3.32 cm.

1 years

WEIGHT

7.2 lbs

Adrenal Glands

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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 1.28 x 0.36 cm at the cranial pole and 0.36 cm at the caudal pole. The right adrenal gland measured 1.48 x 0.85 cm at the cranial pole and 0.46 cm at the caudal pole.

IMAGING PERFORMED BY

Shari Reffi, CVT

Spleen

HOSPITAL NAME

Rockaway AH

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. The spleen measured 0.97 cm.

REFERRING VET

Dr. Maniar

Liver

INVOICE

99398

The **liver** was mildly subnormal in size with uniform parenchyma. The portal vein to vena cava ratio was 1:1 with no overt evidence of portosystemic shunting. However, given the microhepatica underlying portal hypoplasia/microvascular dysplasia may be an issue. The gallbladder and common bile duct were unremarkable.

DATE

4/19/22



PATIENT

Louie Natale

Gastrointestinal

SPECIES

Canine

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

BREED

Shih Tzu

Pancreas

SEX

Neutered male

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.

AGE

1 years

ULTRASONOGRAPHIC FINDINGS

Microhepatica underlying portal hypoplasia/microvascular dysplasia may be an issue. No evidence of a shunt.

WEIGHT

7.2 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Bile acid profile is indicated. Supportive care for non-specific, GI upset should prove effective.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Dietary indiscretion, food intolerance/indiscretion, structurally insignificant inflammatory bowel or occult parasitism and occult Addison's are all potentials.

IMAGING PERFORMED BY

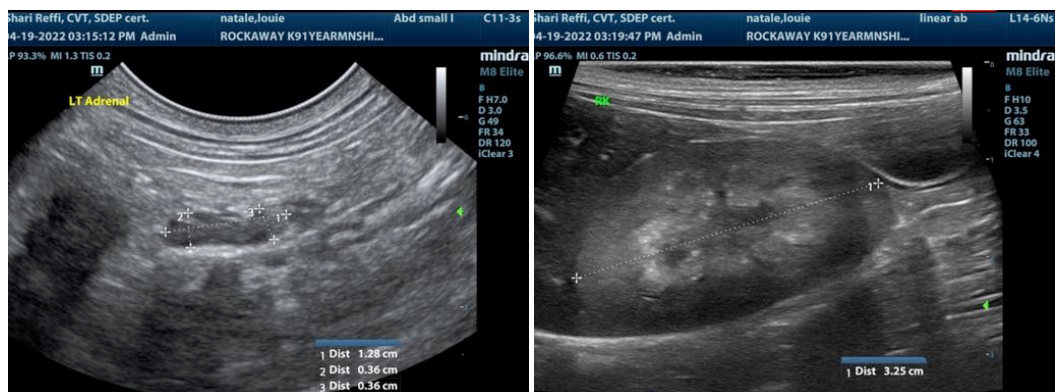
Shari Reffi, CVT

HOSPITAL NAME

Rockaway AH

REFERRING VET

Dr. Maniar



INVOICE

99398

DATE

4/19/22



PATIENT

Louie Natale

SPECIES

Canine

BREED

Shih Tzu

SEX

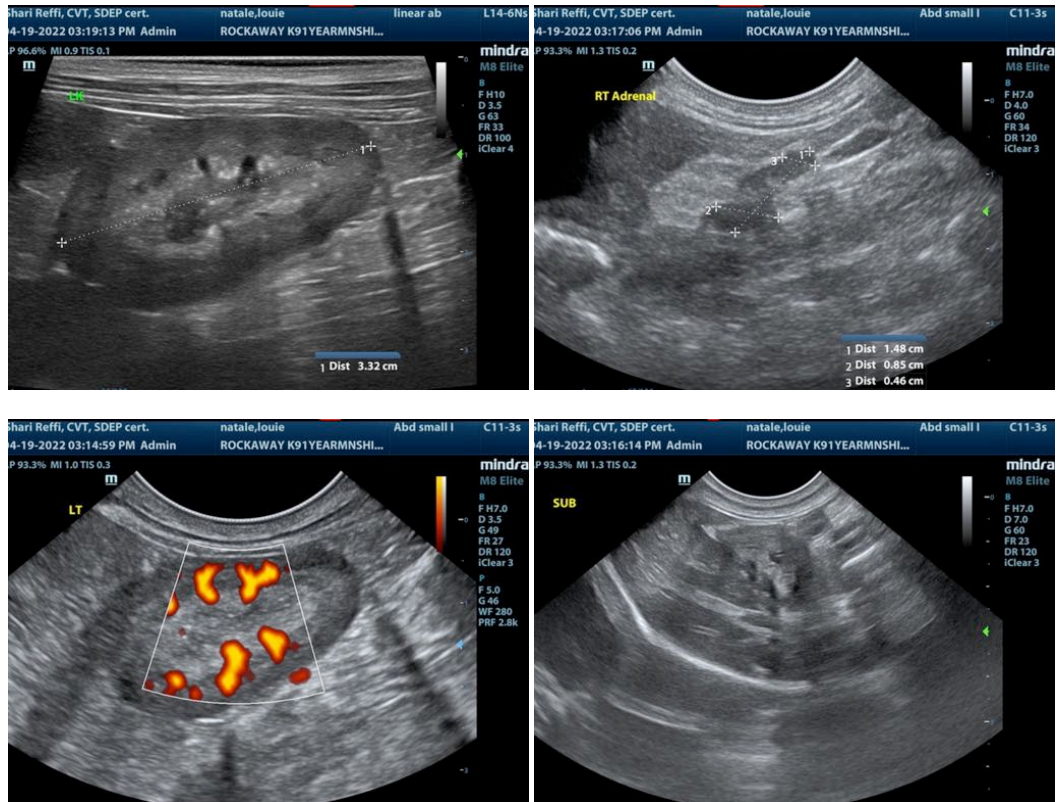
Neutered male

AGE

1 years

WEIGHT

7.2 lbs



INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Rockaway AH

REFERRING VET

Dr. Maniar

INVOICE

99398

DATE

4/19/22

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