



PATIENT PRESENTING CLINICAL SIGNS

PATIENT
Feebie Johnston
History: Recheck US. Hx of hydronephrosis and hydroureter. O has been saving funds for surgery, has been on clavamox and enrofloxacin since March

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Pug

The **urinary bladder** revealed mild bladder wall thickening with minor urethral thickening. A large amount of calculi were noted and were non-obstructive. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

SEX

Spayed female

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. The capsules were acceptably uniform without significant irregularities. Slight pyelectasia was noted in the kidneys, yet no hydroureter or hydronephrosis. The prior obstruction appears to have resolved. The left kidney measured 3.0 cm. The right kidney measured 4.4 cm.

AGE

8 years

WEIGHT

15 lbs

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 1.6 x 0.54 cm at the caudal pole and 0.43 cm at the cranial pole. The right adrenal gland measured 1.51 x 0.43 cm at the caudal pole and 0.48 cm at the cranial pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Waffle

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.

HOSPITAL NAME

Torch Lake VC

REFERRING VET

Dr. Waffle

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.

INVOICE

44144

DATE

5/3/23



PATIENT

Feebie Johnston

SPECIES

Canine

BREED

Pug

SEX

Spayed female

AGE

8 years

WEIGHT

15 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Waffle

HOSPITAL NAME

Torch Lake VC

REFERRING VET

Dr. Waffle

INVOICE

44144

DATE

5/3/23

Gastrointestinal

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. The descending colon was 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.

ULTRASONOGRAPHIC FINDINGS

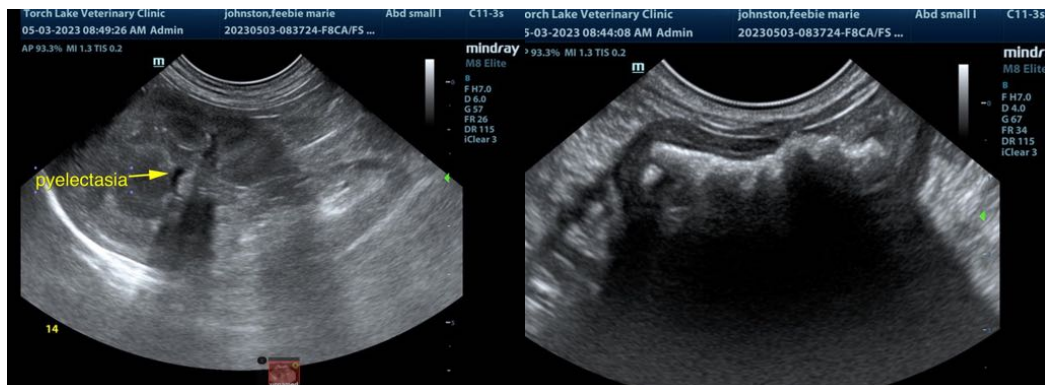
Resolved hydronephrosis, hydroureter.

Large amount of bladder calculi.

Minor residual pyelectasia.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

All of the calculi were noted in the bladder. Direct cystotomy would be appropriate with sand/stone analysis is indicated. Long term treatment for likely underlying UTI is recommended.





PATIENT

Feebie Johnston

SPECIES

Canine

BREED

Pug

SEX

Spayed female

AGE

8 years

WEIGHT

15 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Waffle

HOSPITAL NAME

Torch Lake VC

REFERRING VET

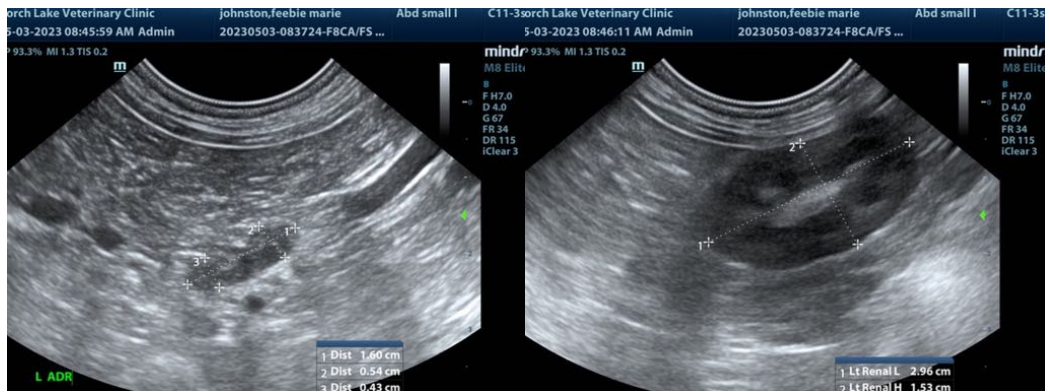
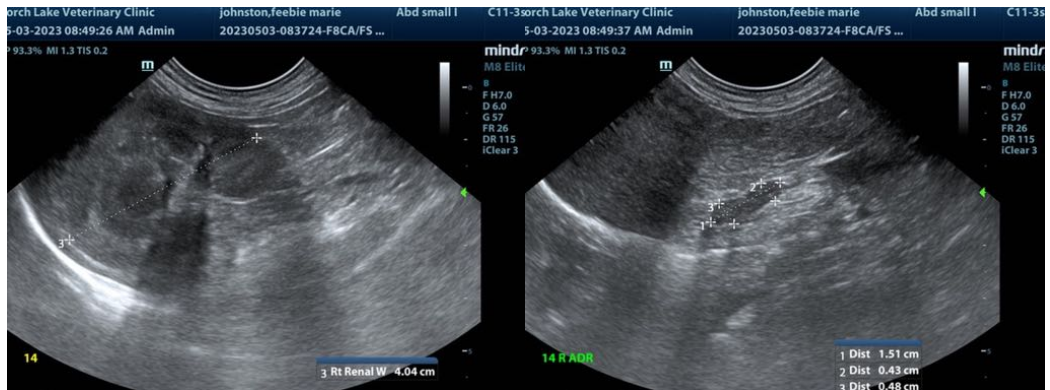
Dr. Waffle

INVOICE

44144

DATE

5/3/23



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