



PATIENT

Keeto Buzinkai

SPECIES

Canine

BREED

Pug

SEX

Neutered Male

AGE

10 Years

WEIGHT

19 Lbs.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Samuel Gabriel

HOSPITAL NAME

Central Jersey AH

REFERRING VET

Gabriel

INVOICE

13802

DATE

2/6/22

PRESENTING CLINICAL SIGNS

History: presented yesterday for urinary blockage, was able to pass urinary catheter with some difficulty today came back blocked again

Abnormal PE/Chem/CBC/UA Results: cbc : wnl chem : high ca level 12.1 . alt 203

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** revealed a 1.0 cm distinctly shadowing calculus with anechoic urine otherwise. The bladder wall was slightly thickened with minor coarse mucosal architecture. The residual prostate was uniform and measured 1.06 cm. Pre- and post-prostatic urethra were unremarkable.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some 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 his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Slight mineralization was present. The left kidney measured 5.1 cm. The right kidney measured 5.1 cm.

Adrenal Glands

The **left adrenal gland** was 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 0.5 cm.

The **right adrenal gland** was not visualized.

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** itself was uniform, no evident pathology. The gallbladder was mildly overdistended, likely owing to NPO status. Minor excessive gallbladder debris was present.

Gastrointestinal

The **stomach** was filled with ingesta. 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.



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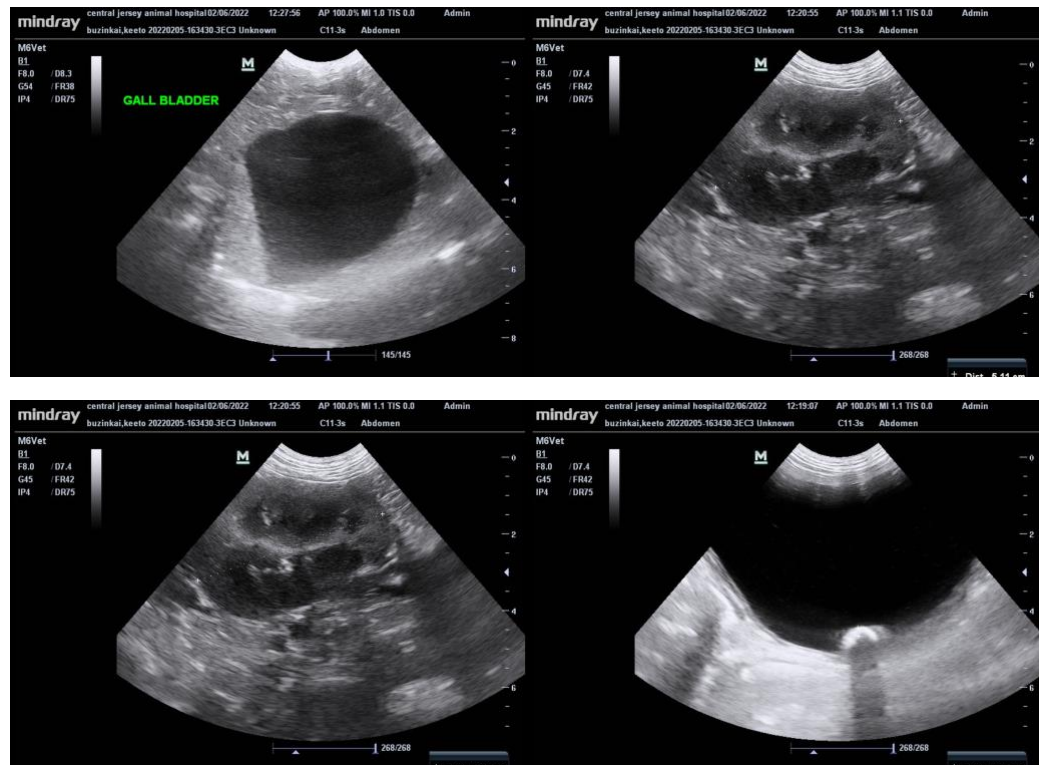
2/6/22

ULTRASONOGRAPHIC FINDINGS

- Bladder calculus and bladder wall thickening
- Normal urethra and prostate
- Stomach ingesta
- Minor excessive gallbladder debris
- Age-related renal changes with slight mineralization

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The patient is likely obstructing with the 1.0 cm calculus periodically. I recommend cystotomy and normal and retrograde urethral flushing, stone analysis and culture. No evidence of neoplasia.





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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 can be of any further assistance please contact me.

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