



PATIENT PRESENTING CLINICAL SIGNS

Max Neufeld

History: Presented at our hospital for AUS. Adopted approx 5/6 yr ago. Hx of freq. UTI. In July UR bloody, took to rdvm, took rads and saw bladder stones. Tried medication to dissolve them, did not work, had Sx to remove bladder stones, also found elevated lipase. At two week recheck was doing great. Now had UTI about a month ago, took rads – did not see stones per owner, was put on Amoxi, then did culture – negative. Rdvm rec AUS to see what cause of persistent hematuria. Current Medications: carprovet, finished antibiotic 2 weeks ago Appetite/When did they eat last: only had a nylon treat today

SPECIES

Canine

BREED

Bichon

Abnormal PE/Chem/CBC/UA Results: Urine culture negative Rdvm Rads: no evidence of bladder stones

SEX

Neutered male

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. A small amount of bladder sand was noted. The patient is likely passing calculi/sand from the kidneys to the bladder. A ventral polyp was noted in the bladder and appears resectable. The polyp measures 1.3 cm in length x 0.6 cm in width.

AGE

12 years

The residual prostate measured 0.7 cm.

WEIGHT

12.4 kg

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 this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Pinpoint mineralization was noted in the kidneys. The left kidney measured 5.58 cm. The right kidney measured 5.88 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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 2.15 x 0.39 cm at the caudal pole and 0.4 cm at the cranial pole.

IMAGING PERFORMED BY

Erin Wicks

HOSPITAL NAME

Shores VEC

Spleen

The **spleen** in this patient was mildly enlarged with uniform parenchyma and was folded upon itself caudally. This is a positional variant and is not pathological. There was no evidence of significant disease.

REFERRING VET

Dr. Nelson

Liver

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The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some 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. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory,

DATE

3/8/22



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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.

SPECIES

Canine

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. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

BREED

Bichon

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

12 years

ULTRASONOGRAPHIC FINDINGS

WEIGHT

12.4 kg

Bladder sand. Resectable bladder polyp.

Renal calculi, non-obstructive.

Moderate hepatic remodeling.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Cystotomy with partial ventral cystectomy and bladder sand removal and analysis is recommended. These are likely oxalate.

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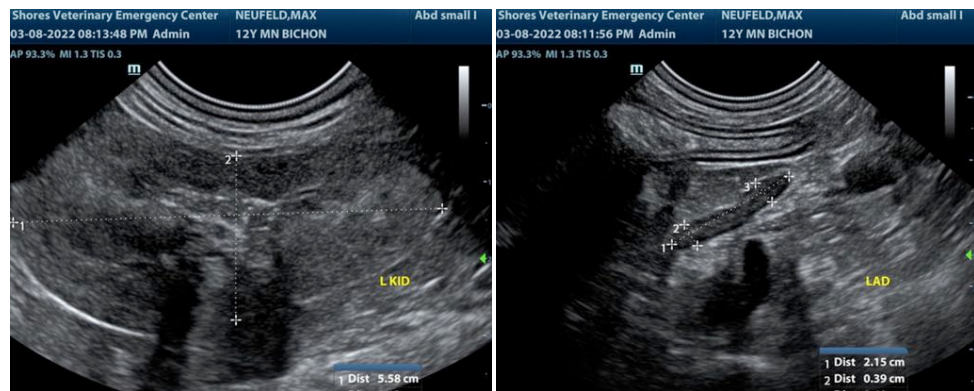
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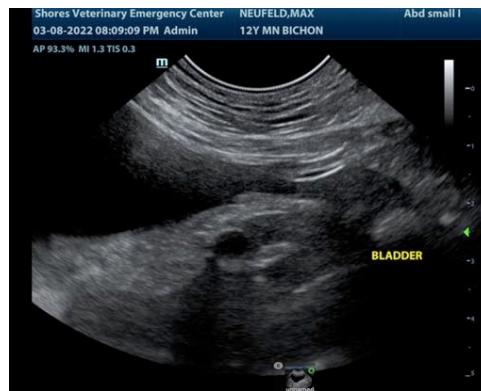
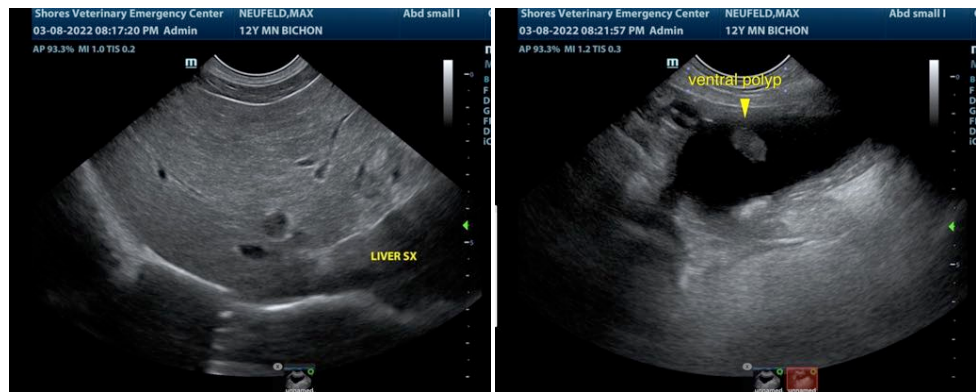
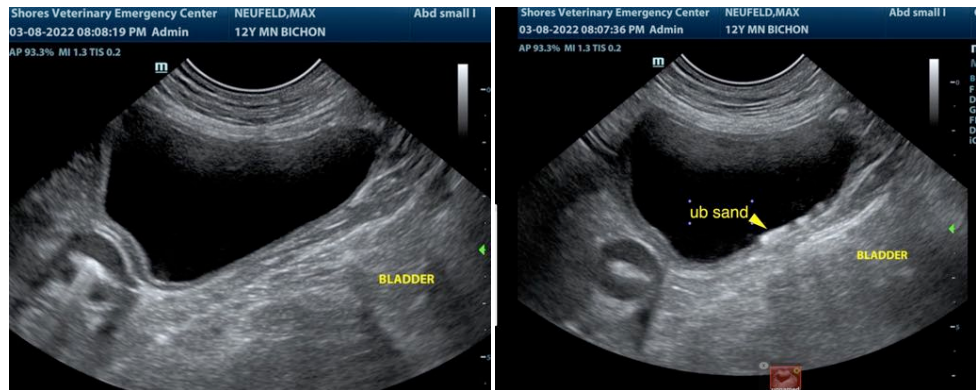
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.



PATIENT

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