



PATIENT PRESENTING CLINICAL SIGNS

Bones Wilkins

History: Acute onset (four hours prior to presentation) of vomiting, diarrhea, and hypersalivation. No other abnormal medical history. After presentation, received 50mLs SQF and 1mg/kg maropitant SQ prior to AUS. Hypersalivation ceased with these treatments. No vomiting or diarrhea in hospital .
Abnormal PE/Chem/CBC/UA Results: Patient hypersalivating on presentation, 5% dehydrated. CBC/Chem/T4/SDMA - SDMA 16 (mild elevation), all other values WNL

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

16 years

WEIGHT

7.5 lbs

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 was noted. Ureteral papillae were normal.

The **kidneys** presented a relatively uniform cortical hyperechogenicity when compared to the renal medulla, spleen and liver. No overt masses were noted. Corticomedullary definition was nebulous and the ratio favored the cortex slightly. The ureters were not visible and assumed to be normal. These changes are most consistent with chronic interstitial nephritis yet infiltrative disease could not be entirely ruled out without biopsy though neoplasia is not suspected. Slight mineralization was noted in the left kidney. The left kidney measured 3.46 cm. The right kidney measured 3.93 cm.

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 right adrenal gland measured 1.05 x 0.4 cm. The left adrenal gland measured 0.93 x 0.4 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Leal

HOSPITAL NAME

Wellesley AH

REFERRING VET

De. Leal

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.

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.

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Gastrointestinal

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Examination of the **gastrointestinal tract** revealed a minor amount of fluid filled gastric lumen was noted. The intestines were 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 colon was fluid filled and non-specific. The colonic wall was unremarkable.

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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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ULTRASONOGRAPHIC FINDINGS

Geriatric abdomen.

AGE

16 years

Moderate, interstitial nephrosis renal pattern, non-obstructive. Mineralization/trace nephrolithiasis.

Non-specific gastrointestinal upset.

WEIGHT

7.5 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

If weight loss is an issue then maldigestion should be considered. There was no evidence of neoplasia. Enterotoxins, dietary intolerance, dietary indiscretion and occult parasitism is all possible. The changes are largely expected for this age patient. However, the kidneys appear to have moderate degenerative changes.

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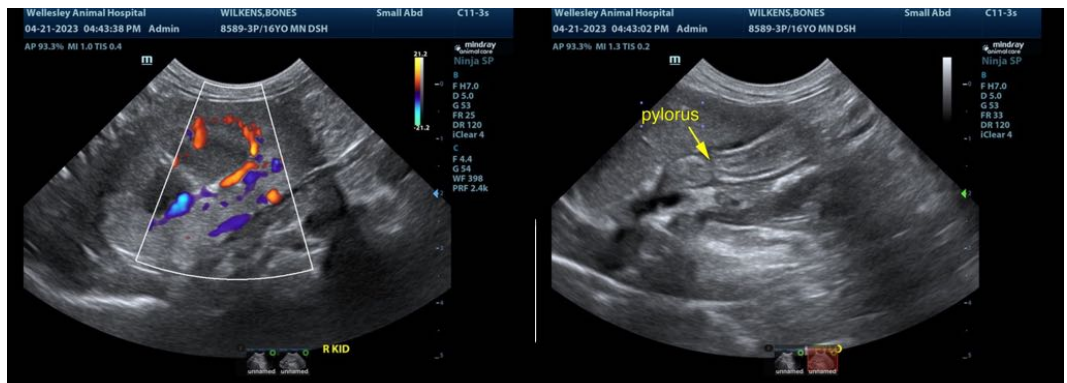
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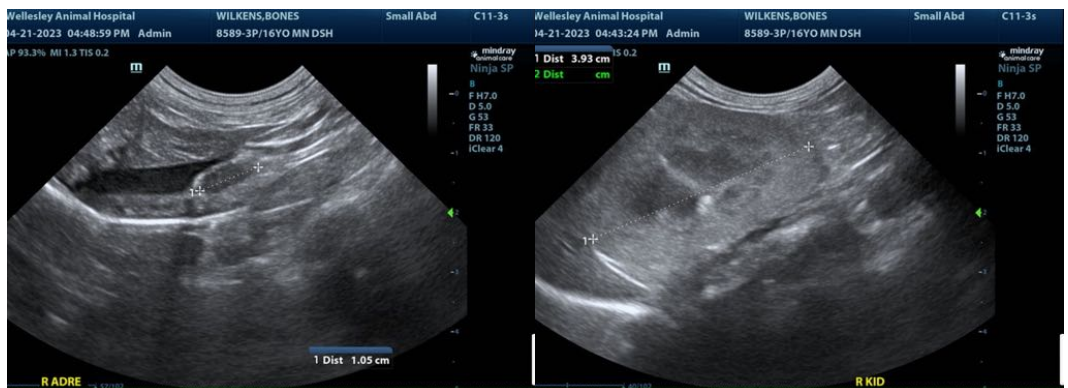
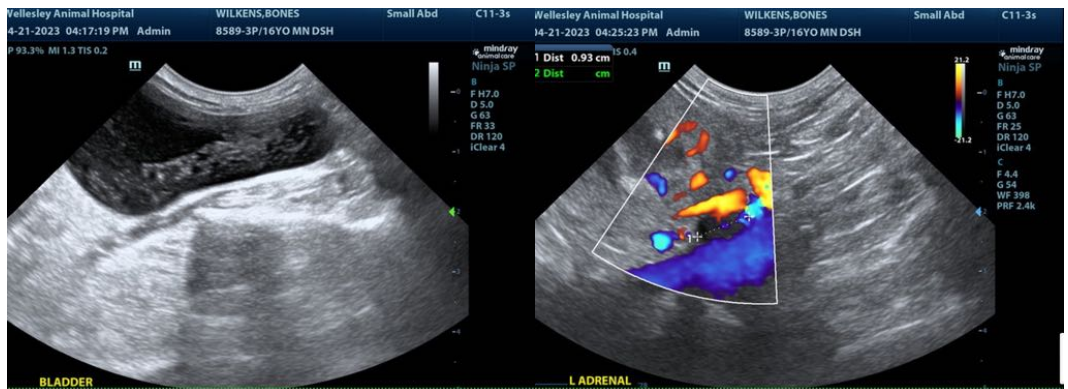
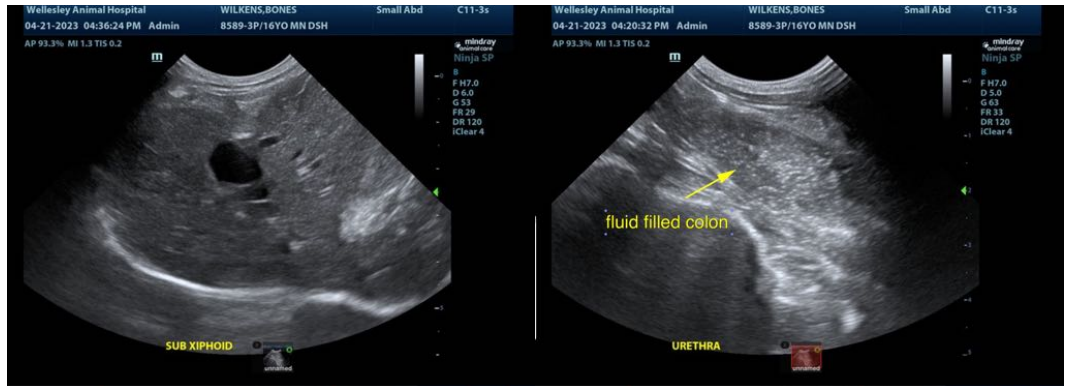
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PATIENT

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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.

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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.

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