



PATIENT PRESENTING CLINICAL SIGNS

Daisy Morris
History: Intermittent blood noted in urine and urine pH issues. Patient is currently on i/d low fat due to removal of Calcium Oxalate stones 3/2020. Owner came in for dental cleaning today but noted blood on pee pads at home again so decided to work this up prior to dental
Abnormal PE/Chem/CBC/UA Results: Attached is the most recent UA for Daisy done on 9/20/21 and bloodwork done on 7/08/21

SPECIES

Canine

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Yorkshire Terrier

Urinary System

SEX

Female

The **urinary bladder** revealed minor micropolypoid changes with coalescing sand or stone formation measuring 0.5 cm. Minor apical ventral and apical dorsal bladder thickening was noted. Minor echogenic debris was noted.

AGE

10 years

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. Mild, non-obstructive mineralization was noted in the kidneys.

WEIGHT

6.19 lbs

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 0.5 cm.

IMAGING PERFORMED BY

Dr. Faith

Spleen

HOSPITAL NAME

Faith AC

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.

REFERRING VET

Dr. Faith

Liver

INVOICE

92380

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, 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.

DATE

10/13/21



PATIENT

Gastrointestinal

Daisy Morris

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.

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Yorkshire Terrier

Pancreas

Diffuse hyperechoic changes were present in the area of the **pancreas**. The pancreatic remodeling was evident with multifocal to diffuse hyperechoic changes. These changes are consistent with fibrosis, amyloid, saponification of fat and may contain areas of low-grade chronic active inflammation especially if pain on imaging (+ Murphy sign) was present +/- focal subxiphoid palpation reveals pain response. No overt masses were noted.

SEX

Female

AGE

10 years

ULTRASONOGRAPHIC FINDINGS

Coalesced bladder sand or small calculus. Minor cystitis bladder pattern.

Minor renal mineralization.

WEIGHT

6.19 lbs

Age related abdominal changes otherwise.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Either medical management or direct cystotomy, sand/stone analysis and culture is indicated. However, if a cystotomy is to be performed then immediate sonogram is recommended just prior to surgery to ensure that the calculus is persistently present.

IMAGING PERFORMED BY

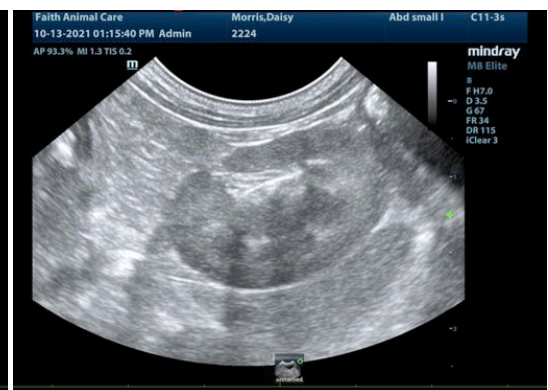
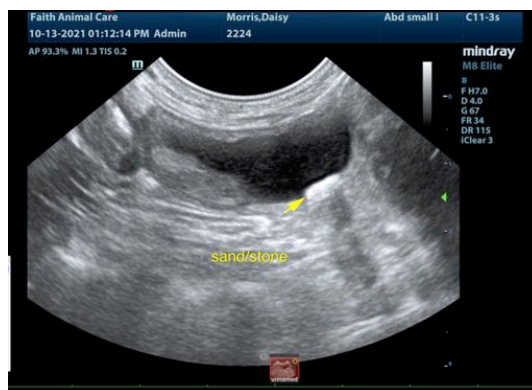
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PATIENT

Daisy Morris

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BREED

Yorkshire Terrier

SEX

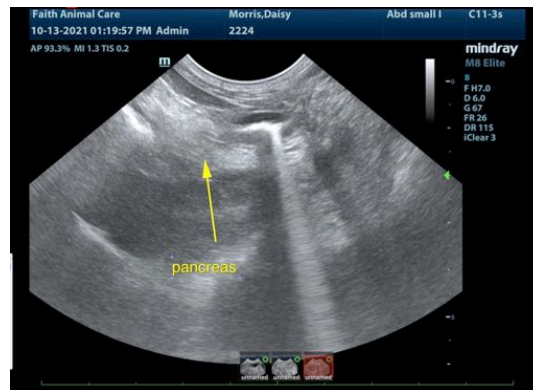
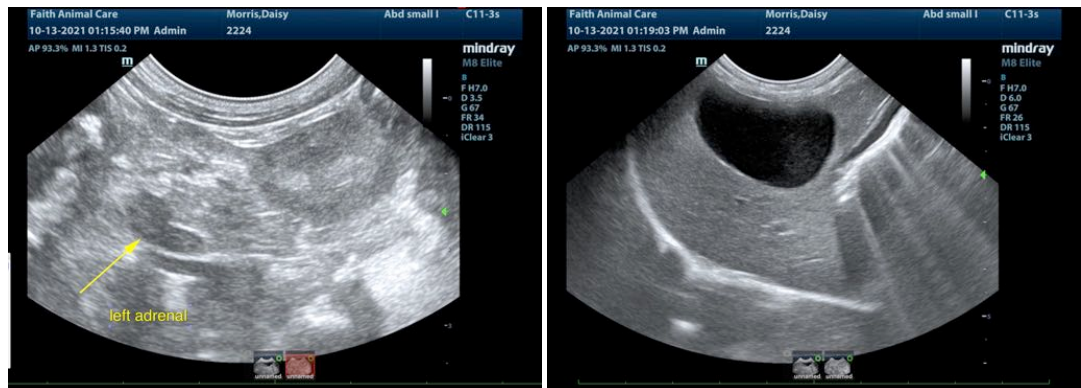
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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