



PATIENT

Star Mickelson

PRESENTING CLINICAL SIGNS

Pet presented for second opinion on ongoing hematuria. Previously treated with Clavamox and Enrofloxacin but no response per owner.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Unable to overlay results from previous vet

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Dachshund

Urinary System

The **urinary bladder** revealed two separate calculi measuring 2.5 cm and 1.5 cm with concentric mural hypertrophy of the bladder wall. A minimal amount of urine was present at the time of the sonogram. The bladder wall measured 1.0 cm in thickness without loss of detail. Mucosal remodeling noted. The pelvic urethra was imaged 3.0 cm beyond the cystourethral junction. The smaller calculus appeared to be embedded in the proximal urethra.

SEX

Spayed Female

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. The kidneys measured 5.0 cm each.

AGE

8 Years

Adrenal Glands

WEIGHT

20.4 Pounds

The **adrenal glands** were not visualized.

Spleen

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

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.

IMAGING PERFORMED BY

Dr. Reyes

Liver

HOSPITAL NAME

Mobile Vet Ultrasound

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.

REFERRING VET

Dr. Beltran

Gastrointestinal

INVOICE

43722

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.

Pancreas

DATE

12/23/22

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,



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amyloid, saponification of fat and may contain areas of low-grade chronic active inflammation especially if pain on imaging (+ Murphy sign) was present +/- focal subxyphoid palpation reveals pain response. No overt masses were noted.

SPECIES

Canine

ULTRASONOGRAPHIC FINDINGS

- Bladder calculi with chronic cystitis pattern
- Age related renal changes
- Age related hepatic changes
- Mild pancreatic remodeling

BREED

Dachshund

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Cystotomy, stone analysis and culture, bladder wall biopsy all indicated. No overt evidence of neoplasia.

SEX

Spayed Female

AGE

8 Years

WEIGHT

20.4 Pounds

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DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Reyes

HOSPITAL NAME

Mobile Vet Ultrasound

REFERRING VET

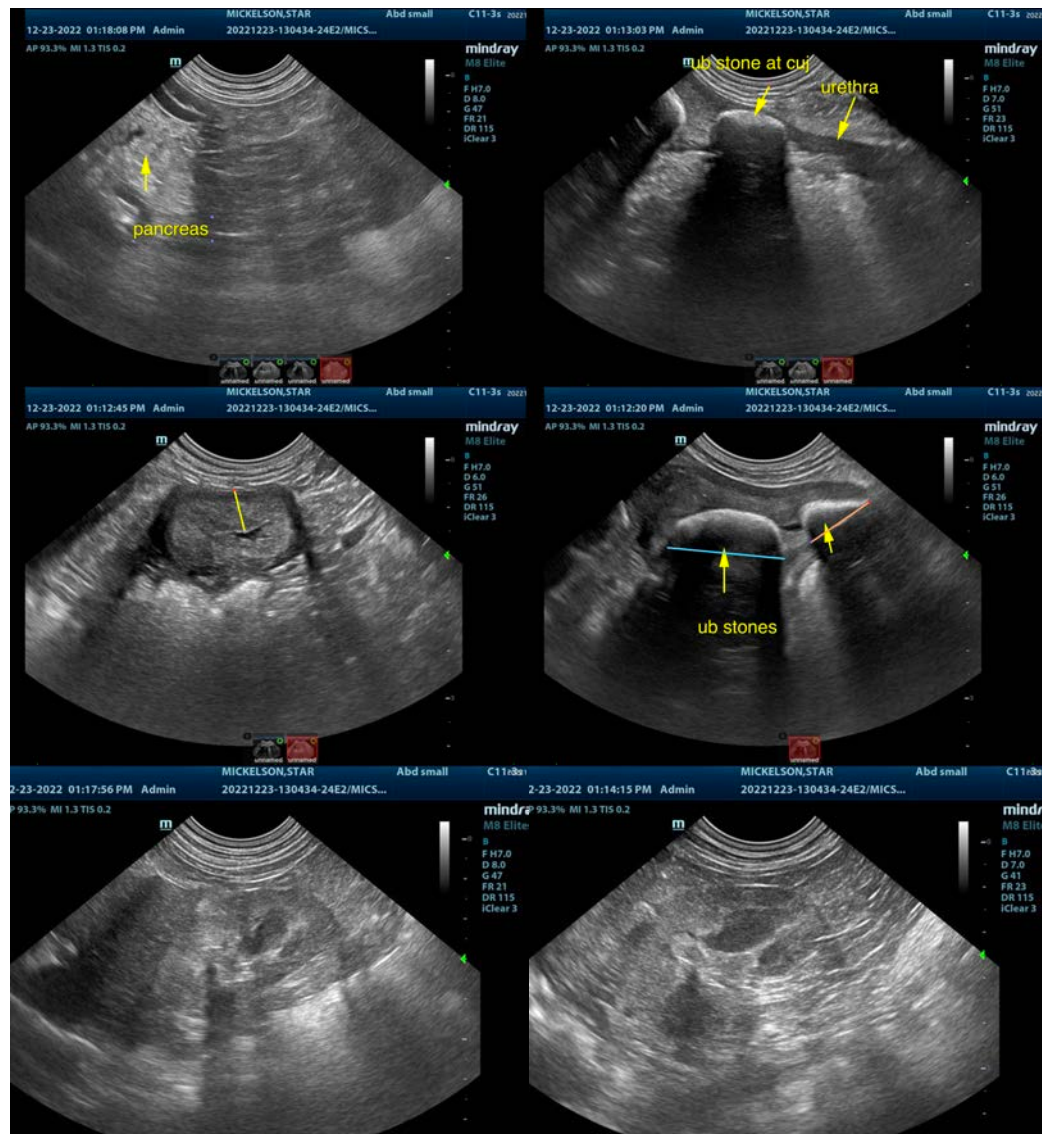
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

Canine

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

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