



PATIENT

Elektra Hawkins

SPECIES

Canine

BREED

Lhasa Apso

SEX

Spayed Female

AGE

15 Years

WEIGHT

14.3 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Ebersole

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Sanders

INVOICE

26037

DATE

10/1/21

PRESENTING CLINICAL SIGNS

Urinating in the house. Persisting clinical signs and hematuria w/transitional cells despite 2 rounds of antibiotics. IV Torbugesic for sedation. Collected UA via cysto post AUS.

Abnormal PE/Chem/CBC/UA Results: PE: 5/6 systolic heart murmur. UA (9/26/21): SG 1.025, pH 5.0. Sed: RBC >50/HPF, WBC 5/HPF, non-squamous epithelial cells 1-2/HPF.

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 were noted. Ureteral papillae were normal.

The uterine stump was unremarkable at 4.0 mm.

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. Pelvic and corticomedullary mineralization noted. Cortical cysts and remodeling noted. The right kidney measured 4.03 cm. The left kidney measured 4.5 cm with pyelectasia.

Adrenal Glands

The **left adrenal gland** was slightly irregular and measured 0.66 cm at the caudal pole and 0.44 cm at the cranial pole. 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** 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. Mild non-disruptive nodular changes were noted. 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.

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.



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Pancreas

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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

BREED

Lhasa Apso

- Unremarkable lower urinary tract, renal calculi and cysts with moderate degenerative renal changes
- Slight irregular left adrenal gland

SEX

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The patient is likely passing calculi periodically. No obstructive disease noted. Enhancing urethral tone with Phenylpropanolamine may prove fruitful in management, as the urethra appears to be slightly dilated, which may be indicative of poor tone. Passage of calculi and embedded infection within the renal pelvises are two probable complicating factors.

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WEIGHT

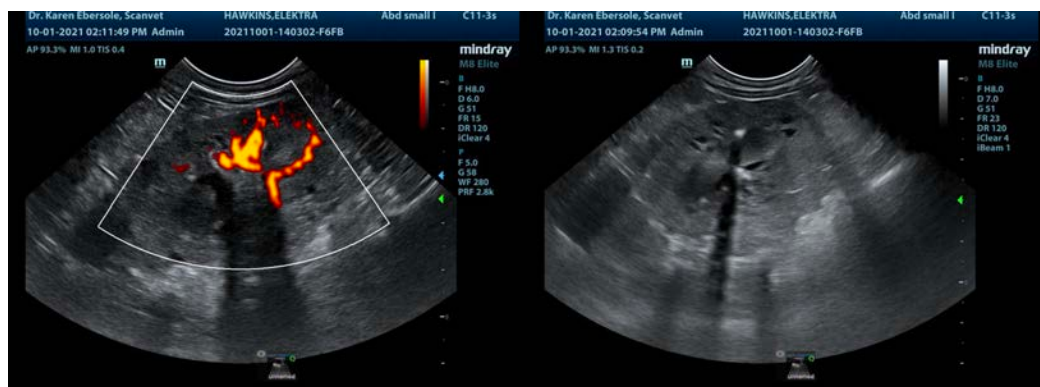
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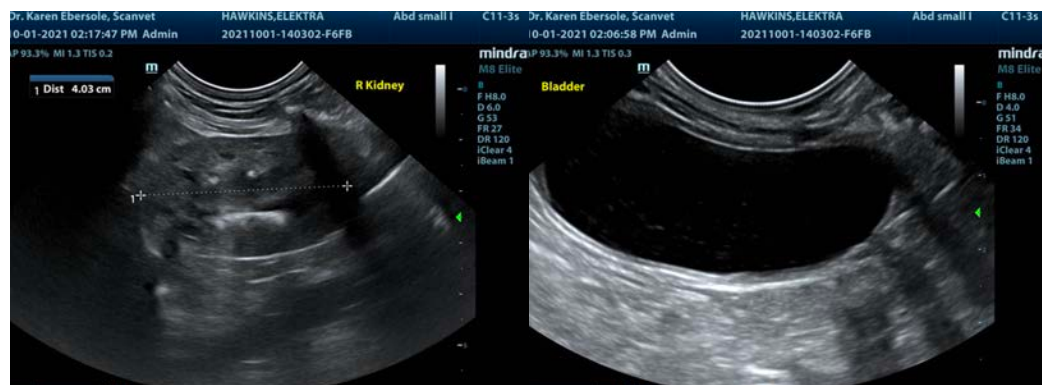
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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