



**PATIENT PRESENTING CLINICAL SIGNS**

Alexis Lyons  
On Carprofen chronically  
Abnormal PE/Chem/CBC/UA Results: ALP (520) and ALT (454) on 7/11/2022

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine

**Urinary System**

BREED

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. Bladder sand noted, a grouping of which measured 0.45 cm with acoustic shadowing. This appears to be a small grouping of sand and not an overt calculus. The patient is likely passing calculi periodically from the kidneys to the bladder. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal. The pelvic urethra was imaged 1.0 cm beyond the cystourethral junction.

Boxer x

SEX

Spayed Female

AGE

13 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 his age patient. Medullary structure differed distinctly from that of the cortex. Corticomedullary and pelvic calculi noted on the left kidney. The left kidney measured 6.0 cm. Pyelectasia and calculi noted in the right kidney. The right kidney measured 6.0 cm.

WEIGHT

51 Pounds

**Adrenal Glands**

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

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 0.50 cm. The right adrenal gland measured 0.62 cm at the cranial pole and 0.46 cm at the caudal pole.

**IMAGING PERFORMED BY**

Kevin Moon

**Spleen**

**HOSPITAL NAME**

Shiloh Vet Hospital

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.

**REFERRING VET**

Dr. Katie Craig

**Liver**

The **liver** presented minor increased portal markings. The gallbladder presented calculi, non-obstructive at the time of the sonogram, measuring up to 5.0 mm.

**INVOICE**

44520

**Gastrointestinal**

DATE

7/31/23

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.



**PATIENT**

**Pancreas**

Alexis Lyons

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.

**SPECIES**

Canine

**ULTRASONOGRAPHIC FINDINGS**

**BREED**

Boxer x

- Right renal partial obstructive nephrolithiasis with pyelectasia
- Minor bladder sand
- Inflammatory hepatopathy with minor gallbladder calculi

**SEX**

Spayed Female

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

FNA of the liver warranted. The right renal calculi are likely too large to pass. Right nephrotomy could be considered, or conservative therapy with coverage for any UTI and urine culture.

**AGE**

13 Years

**WEIGHT**

51 Pounds

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DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

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**HOSPITAL NAME**

Shiloh Vet Hospital

**REFERRING VET**

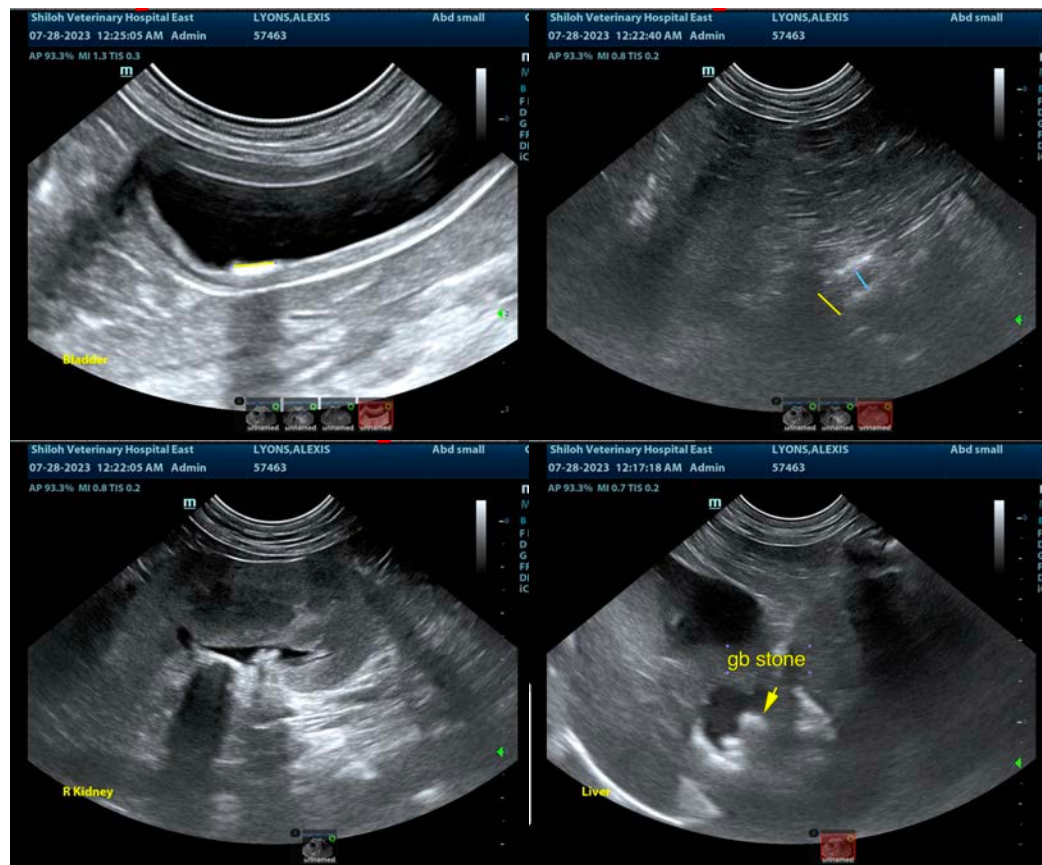
Dr. Katie Craig

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**DATE**

7/31/23





**PATIENT**

Alexis Lyons

**SPECIES**

Canine

**BREED**

Boxer x

**SEX**

Spayed Female

**AGE**

13 Years

**WEIGHT**

51 Pounds

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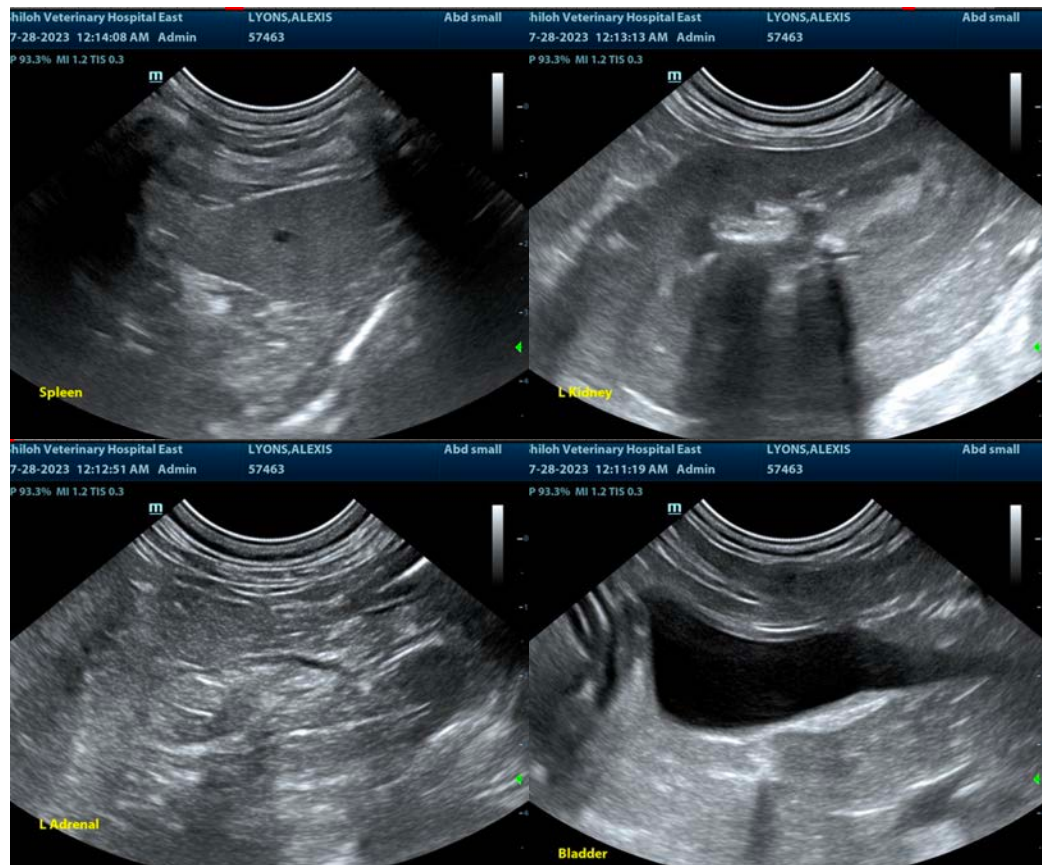
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**DATE**

7/31/23



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.

**Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com**

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