



**PATIENT**

Lily Tropiano

**PRESENTING CLINICAL SIGNS**

Breed: West highland white terrier  
History: Resp distress prev submitted echo

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**BREED**

West Highland White Terrier

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. The bladder revealed small calculus measuring 0.5 cm. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

**SEX**

Spayed female

The **kidneys** revealed moderate degenerative changes with cortical remodeling and loss of corticomedullary definition. Pelvic and corticomedullary calculi were noted as well as infarcts. Calculus in the left kidney measured 1.0 cm and was non-obstructive at the time of the sonogram. A slight amount of retroperitoneal fluid noted adjacent to the left kidney. This may be indicative of recent obstructive nephropathy as there is a bladder calculus and pelvic calculi in the left kidney. Recent passage of calculi may have occurred and may be contributing to the clinical signs. The left kidney measured 4.39 cm. The right kidney measured 4.68 cm.

**AGE**

15 years

**WEIGHT**

24 lbs

**Adrenal Glands**

The left **adrenal gland** was enlarged at the caudal pole and measured 1.2 cm at the caudal pole and 2.35 cm in length. The right adrenal gland was normal in size and contour measuring 2.36 x 0.71 cm.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**Spleen**

**IMAGING PERFORMED BY**

Dr. Rodriguez

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.

**HOSPITAL NAME**

Foxfield VS

**Liver**

**REFERRING VET**

Dr. Rodriguez

The **liver** was uniformly swollen with minor, excessive gallbladder debris and over distension with dependent and suspended bile without evidence of overt mucocele formation. However, excessive sludge was present. Hyperechoic lipogranulomatous nodules were noted in the liver and were not pathological. The liver presented coarse architecture with mildly increased portal markings and subtle, mixed echogenic changes. This is consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. There was no overt suspicion of neoplasia.

**INVOICE**

42433

**Gastrointestinal**

**DATE**

12/30/22

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



**PATIENT**

Lily Tropiano

demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

**SPECIES**

Canine

**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.

**BREED**

West Highland White Terrier

**ULTRASONOGRAPHIC FINDINGS**

**SEX**

Spayed female

Left adrenal adenomatous type change with moderate degenerative renal changes with calculi. Benign hepatopathy.

**AGE**

15 years

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**WEIGHT**

24 lbs

The patient is likely passing calculi periodically from the kidneys to the bladder, yet no obstructive disease was noted at the time of the sonogram. Blood flow was subjectively subnormal to the kidneys on color flow assessment. Blood pressure measurements are warranted to assess for any hypertension related to the left adrenal gland. Eventual cystotomy and left adrenalectomy can be considered. If the respiratory issues are not longer present then they may have been episodic related to pain associated with passage of the calculus. Full urinary work-up is warranted if not already performed.

**INTERPRETED BY**

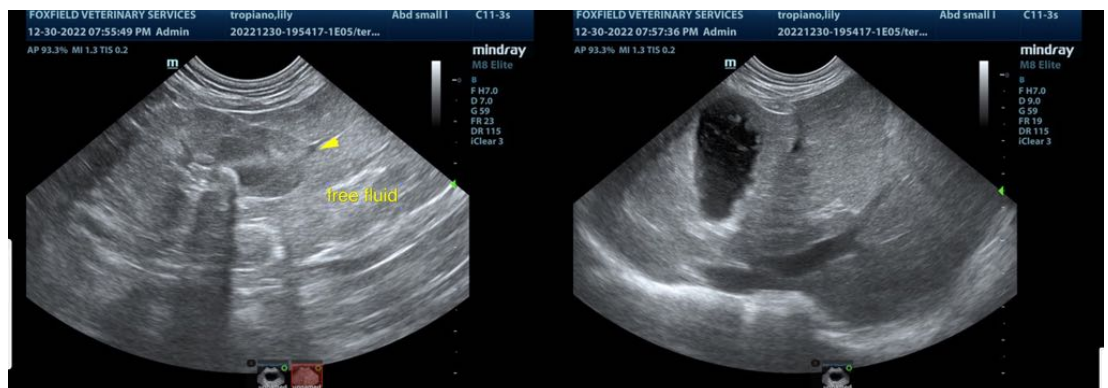
Eric Lindquist, DMV DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Rodriguez

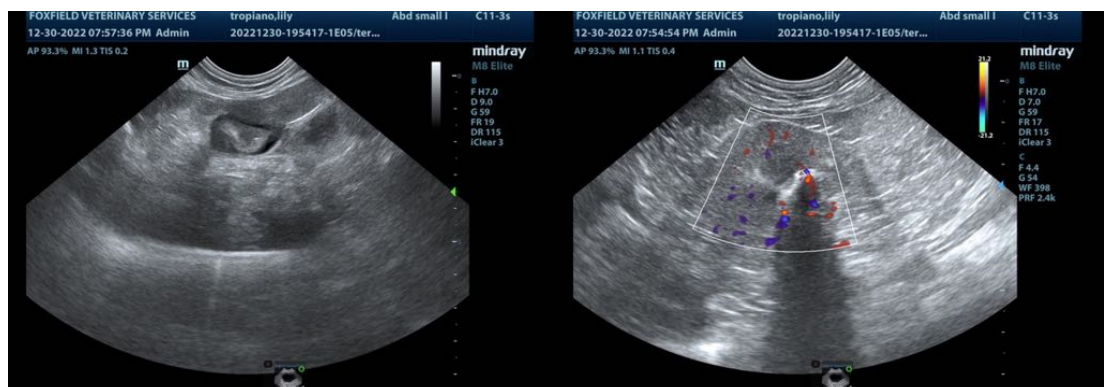
**HOSPITAL NAME**

Foxfield VS



**REFERRING VET**

Dr. Rodriguez



**INVOICE**

42433

**DATE**

12/30/22



**PATIENT**

Lily Tropiano

**SPECIES**

Canine

**BREED**

West Highland White Terrier

**SEX**

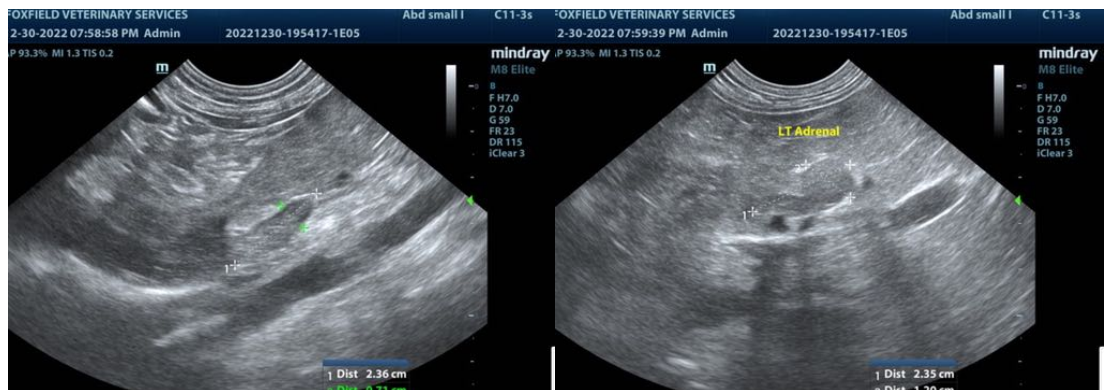
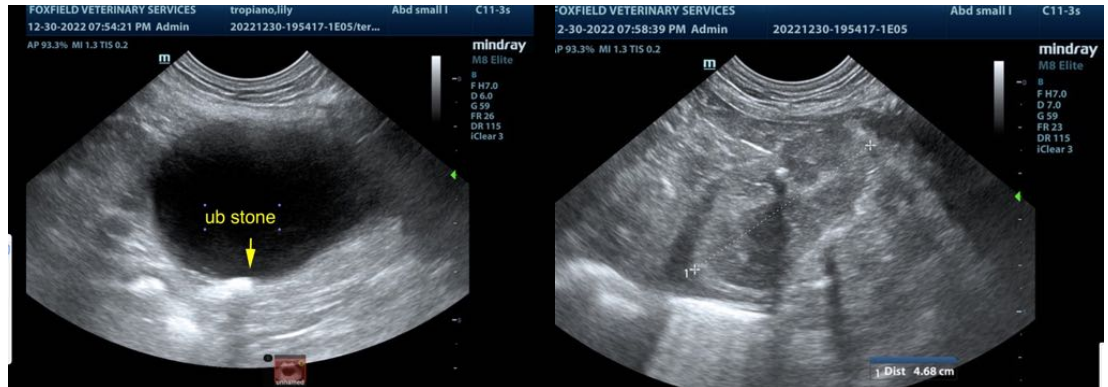
Spayed female

**AGE**

15 years

**WEIGHT**

24 lbs



**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Rodriguez

**HOSPITAL NAME**

Foxfield VS



**REFERRING VET**

Dr. Rodriguez

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.

**INVOICE**

42433

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.

**DATE**

12/30/22

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