

**PATIENT PRESENTING CLINICAL SIGNS**

Shiny Harvey vomiting , lethargy , anorexia  
Abnormal PE/Chem/CBC/UA Results: WBC 39.69 ALP 362

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine **Urinary System**

**BREED** The urinary bladder, trigone, and pelvic urethra presented normal thicknesses and normal tone to 1 cm. The ureters were not visible which is normal. A mild amount of non-shadowing sand accumulation was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

Shih Tzu

**SEX** The left kidney was swollen and irregular with pelvic calculi. Hydroureter was noted continuing at least 3 cm distally. The exact cause of the obstruction is unclear. Embedded calculus or stricture is likely.  
**FS** Retroperitoneal free fluid was present.

**AGE** The right kidney exhibited mild age related mineralization. The right kidney measured 4.0 cm.

6 The left kidney measured 4.6 cm with hydronephrosis measuring 2.17 cm.

**Adrenal Glands**

**WEIGHT** The right adrenal gland was 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.

9.6

The right adrenal gland measured 1.5 cm x 0.85 cm cranial x 0.51 cm caudal.

**INTERPRETED BY Spleen**

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 was noted.

**IMAGING PERFORMED BY**

Jenn

**Liver**

**HOSPITAL NAME**

Rockaway Animal  
Hospital

The liver images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

**REFERRING VET**

Dr Maniar

**Gastrointestinal**

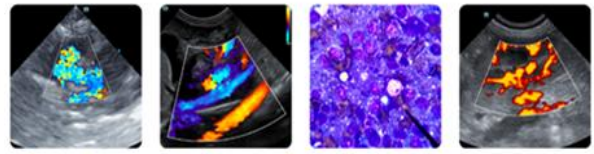
**INVOICE**

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

24155

**DATE**

03/11/2026



**PATIENT**

Shiny Harvey

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

**Pancreas**

**SPECIES**

Canine

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**

Shih Tzu

**ULTRASONOGRAPHIC FINDINGS**

- Obstructed left ureter with retroperitoneal fluid and hydronephrosis
- Aggressive nephritis
- Normal liver

**SEX**

FS

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**AGE**

6

Surgical intervention with likely stent placement or removal of the left kidney may be the best option for this patient depending upon the findings. There is mild tissue thickening within the proximal left ureter. Cannot rule out a neoplastic process regarding the left kidney, however it is more likely that a passage of calculus and stricture / blood clots are causing the tissue density appearance however underlying carcinoma cannot be ruled out.

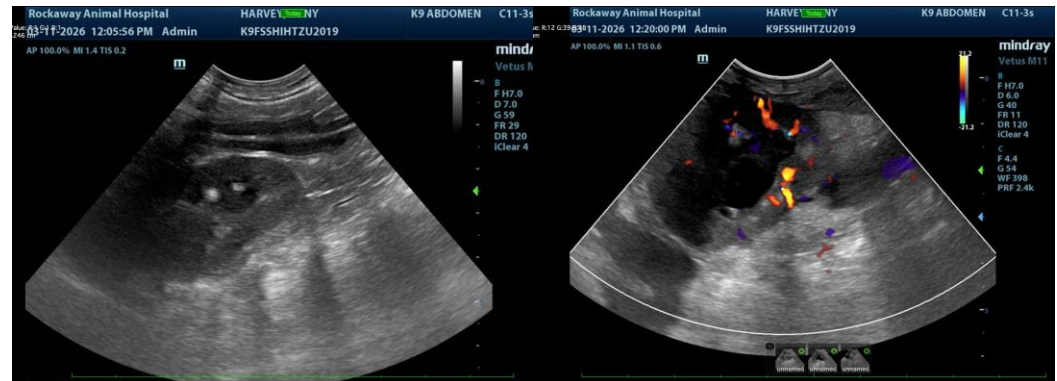
**WEIGHT**

9.6

Surgical intervention with left nephrectomy or ureterectomy would be recommended, unless a non-neoplastic process is present, then salvage of the left kidney with a stent could also be considered.

**INTERPRETED BY**

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**HOSPITAL NAME**

Rockaway Animal Hospital

**REFERRING VET**

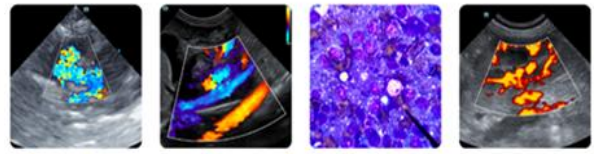
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**SPECIES**

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**BREED**

Shih Tzu

**SEX**

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**AGE**

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**WEIGHT**

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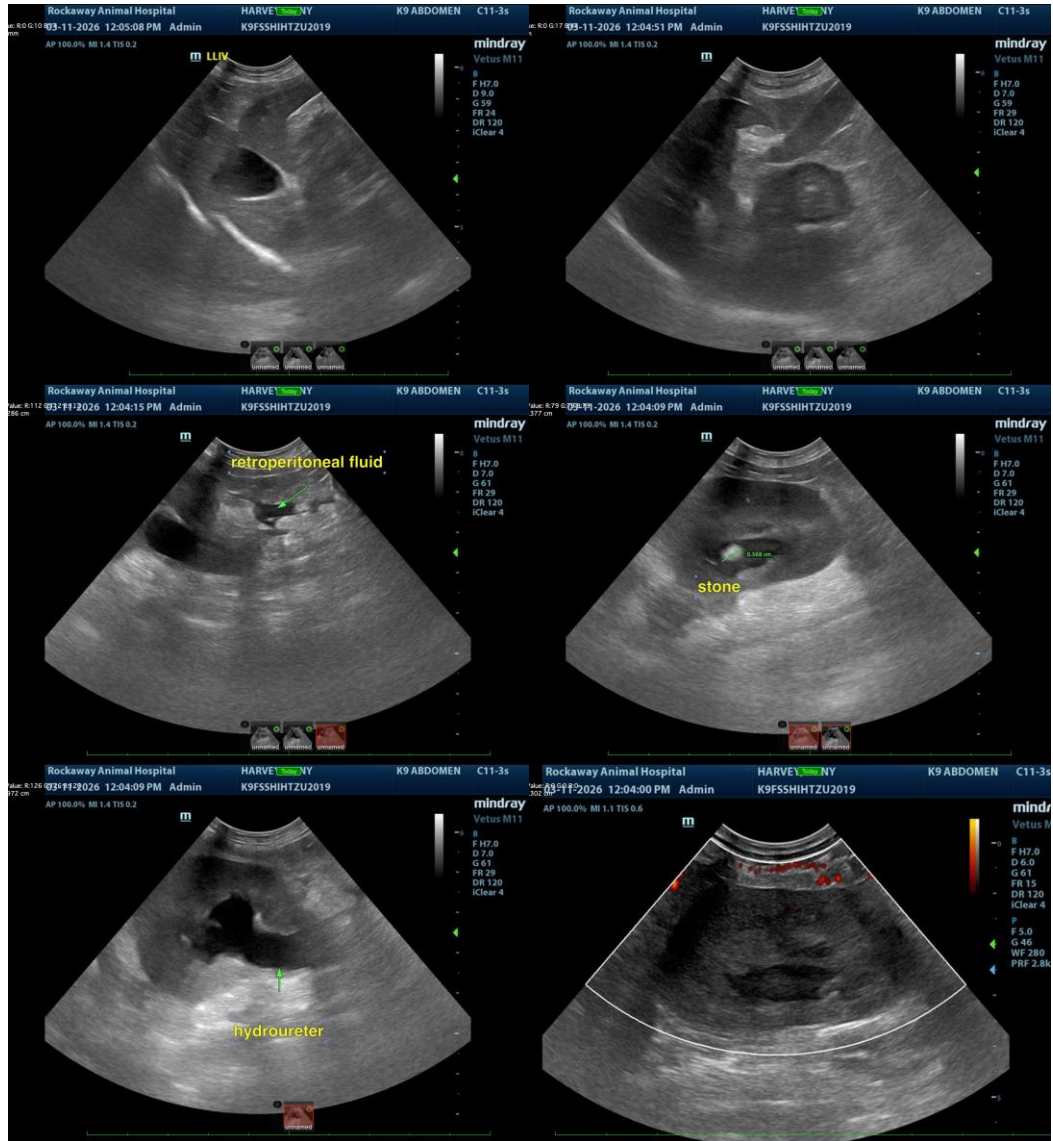
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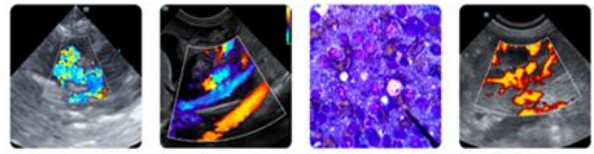
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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(CFM), Cert. IVUSS,  
CEO, Owner, Founder -- SonoPath.com  
info@SonoPath.com



## PATIENT

Shiny Harvey

## SPECIES

Canine

## BREED

Shih Tzu

## SEX

FS

## AGE

6

## WEIGHT

9.6

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