



**PATIENT**

Schatzi Goldman

**SPECIES**

Canine

**BREED**

Pomeranian Mix

**SEX**

Spayed female

**AGE**

8 years

**WEIGHT**

26 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Adrienne Ligenza

**HOSPITAL NAME**

Rush Veterinary  
Urgent Care

**REFERRING VET**

Dr. Urban

**INVOICE**

76030

**DATE**

7/10/23

**PRESENTING CLINICAL SIGNS**

History: Takes Levothyroxine for hypothyroid, vomited blood Friday night and o took to ER, not eating, discharged today at noon from ER to come here for US - notes do say they rec further hospitalization - o does have monetary concerns, still not eating  
Abnormal PE/Chem/CBC/UA Results: Notes from local ER this past Saturday: On presentation Schatzi was quiet and alert. She was a bit tense on abdominal palpation and melena (digested blood) was appreciated on rectal exam leading to concern for gastric ulceration. Abdominal radiographs revealed an incidental bladder stone but no obvious foreign material or other significant findings to explain the clinical signs. Thoracic radiographs revealed aspiration pneumonia. Blood work revealed mild anemia, elevated white blood cells and a positive pancreatitis test. Coagulation times were normal. Patient exhibited pain when trying to do the Cloop. She was not sedated and quite reactive in that area.

**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. Calculus measuring 1.0 cm was noted. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

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. Non-obstructive calculi were noted in the kidneys. The right kidney measured 5.19 cm. The left kidney measured 4.83 cm.

**Adrenal Glands**

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 0.46 cm. The right adrenal gland measured 2.96 x 0.45 cm.

**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 was noted.

**Liver**

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. Left liver swelling was noted and is consistent with hepatoma. The liver presented coarse architecture with mildly increased portal markings and subtle, mixed echogenic changes. This is



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consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. There was no overt suspicion of neoplasia.

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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.

**BREED**

Pomeranian Mix

**Pancreas**

**SEX**

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.

Spayed female

**AGE**

**ULTRASONOGRAPHIC FINDINGS**

8 years

Renal calculi.

**WEIGHT**

Bladder calculi.

26 lbs

Vacuolar hepatopathy pattern. Left liver swelling, consistent with hematoma.

Gallbladder sludge.

Otherwise, unremarkable abdomen.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**IMAGING PERFORMED BY**

FNA of the left lateral liver lobe would be ideal to ensure that this is benign. There was no evidence of visceral disease directly related to abdominal discomfort.

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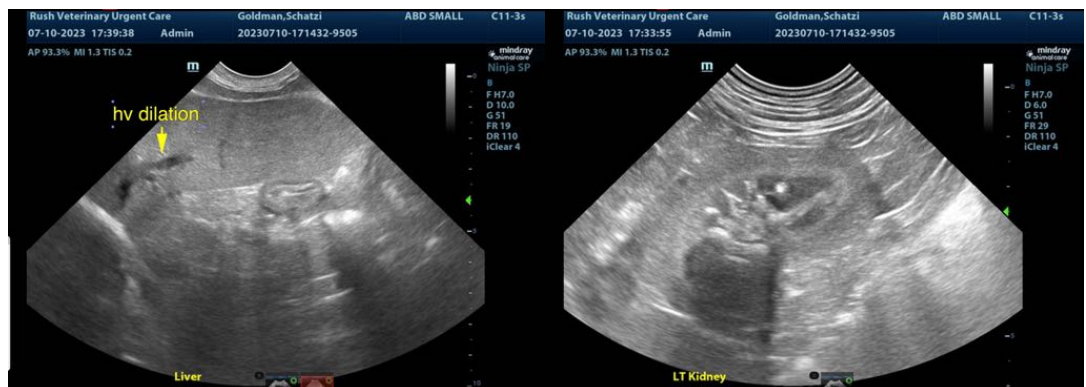
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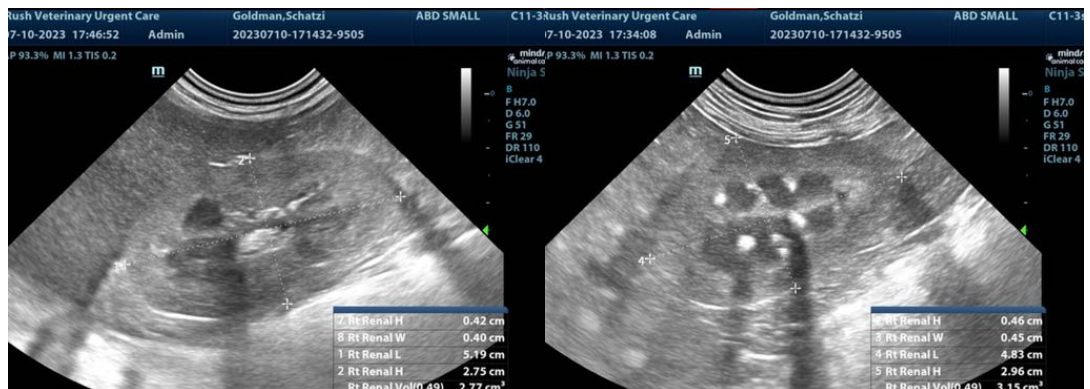
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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, Cert. IVUSS, CEO of SonoPath.com**  
info@SonoPath.com