



## PATIENT

Spanky Hewson

## SPECIES

Canine

## BREED

Mix

## SEX

Neutered male

## AGE

12 years

## WEIGHT

21.9 lbs

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Christine Barnhorst

## HOSPITAL NAME

Walker Valley VH

## REFERRING VET

Dr. Barnhorst

## INVOICE

73468

## DATE

3/16/26

## PRESENTING CLINICAL SIGNS

- O reports that dog is lethargic and "off" for several months. Favoring RR but no obvious limp. Grade 3/6 systolic heart murmur - recently had echo and no meds necessary. O thinks it is a tick borne disease but 4DX was neg - tick PCR panel pending.
- Most recent BW done 1/5/2026 chem BUN = 35, alb = 4.1, lipase = 383, T4 = 1.7, UA SG = 1.025, pH = 6.5, no protein, no infection, Pancreatic Lipase test - normal.

## 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. A trace concretion/sand granule was noted in the urinary bladder and measured 0.1 cm. A minor amount of suspended debris 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 this age patient. Medullary structure differed distinctly from that of the cortex. Slight pyelectasia was noted in the right kidney. The right kidney measured 4.4 cm. The left kidney measured 4.3 cm.

The residual prostate measured 0.5 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 1.7 x 0.49 cm at the caudal pole and 0.45 cm at the cranial pole. The right adrenal gland measured 1.68 x 0.62 cm at the cranial pole and 0.52 cm at the caudal pole.

### 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.



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## Liver

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.

## 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.

## Pancreas

Diffuse hyperechoic changes were present in the area of the **pancreas**. The pancreatic remodeling was evident with multifocal to diffuse hyperechoic changes. These changes are consistent with fibrosis, amyloid, saponification of fat and may contain areas of low-grade chronic active inflammation especially if pain on imaging (+ Murphy sign) was present +/- focal subxiphoid palpation reveals pain response. No overt masses were noted.

## ULTRASONOGRAPHIC FINDINGS

Pancreatic remodeling.

Trace bladder concretion.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no evidence of significant disease. The patient may have recently passed a small calculus, yet there was no evidence of obstructive disease noted. Urine culture is indicated. The patient should not have any overt clinical signs related to the urinary system at this time as there was no evidence of infection is noted. Other causes of the clinical signs such as orthopedic pain, thoracic or CNS disease should be considered.



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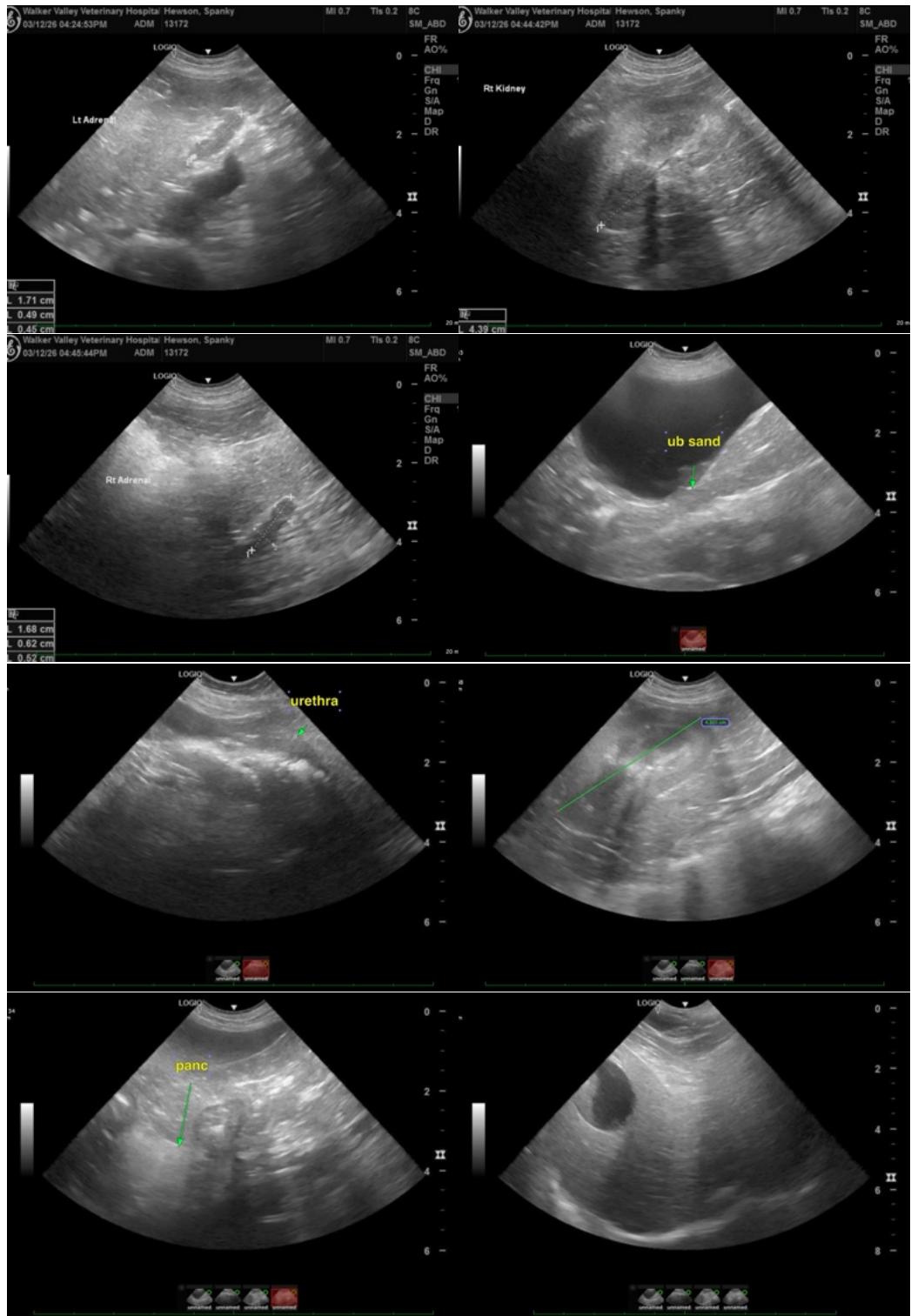
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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 of SonoPath.com

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