



**PATIENT**

Pumpkin Hade

**PRESENTING CLINICAL SIGNS**

Stranguria, pollakuria; on enroquin 68mg x 1/2 sid  
Abnormal PE/Chem/CBC/UA Results: UA: pH 7.5, RBC 4-10, WBC 2-3, squamous epithelial cells 2-3; USPG 1.018

**SPECIES**

Canine

**BREED**

Shih Tzu

**SEX**

Spayed Female

**AGE**

12 years

**WEIGHT**

11.6 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Diane McFadden, RVT

**HOSPITAL NAME**

American AH

**INVOICE**

96175

**DATE**

2/21/22

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder** revealed a cystourethral junction mass that measured 1.0 cm in width and entered into the deep pelvic urethra to an extent of 3.0 cm.

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 and no evidence of pelvic dilation was present. The right kidney measured 4.7 cm. The left kidney measured 3.98 cm.

**Adrenal Glands**

The left **adrenal gland** was heterogenous and enlarged measuring 2.35 x 0.95 cm at the caudal pole and 0.77 cm at the cranial pole. The right adrenal gland was heterogenous and at the upper limits of normal to slightly enlarged measuring 2.63 x 0.66 cm at the caudal pole and 1.21 cm at the cranial pole. Neither adrenal gland demonstrated capsular escape or vascular invasion.

**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** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

**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



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

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**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.

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Shih Tzu

**ULTRASONOGRAPHIC FINDINGS**

**SEX**

Spayed Female

Cystourethral junction and urethral mass.

Bilateral adrenal enlargement, likely hyperplasia with possible emerging Cushing's.

Age related renal changes.

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12 years

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**WEIGHT**

11.6 lbs

There is no evidence of unilateral adrenal tumors. Referral for chemotherapy and urethral stent placement would be ideal in this patient. The presentation is most consistent with carcinoma. Referral to Animal Medical Center with Dr. Weiss and Dr. Berent is recommended. There was no evidence of organ metastasis.

**INTERPRETED BY**

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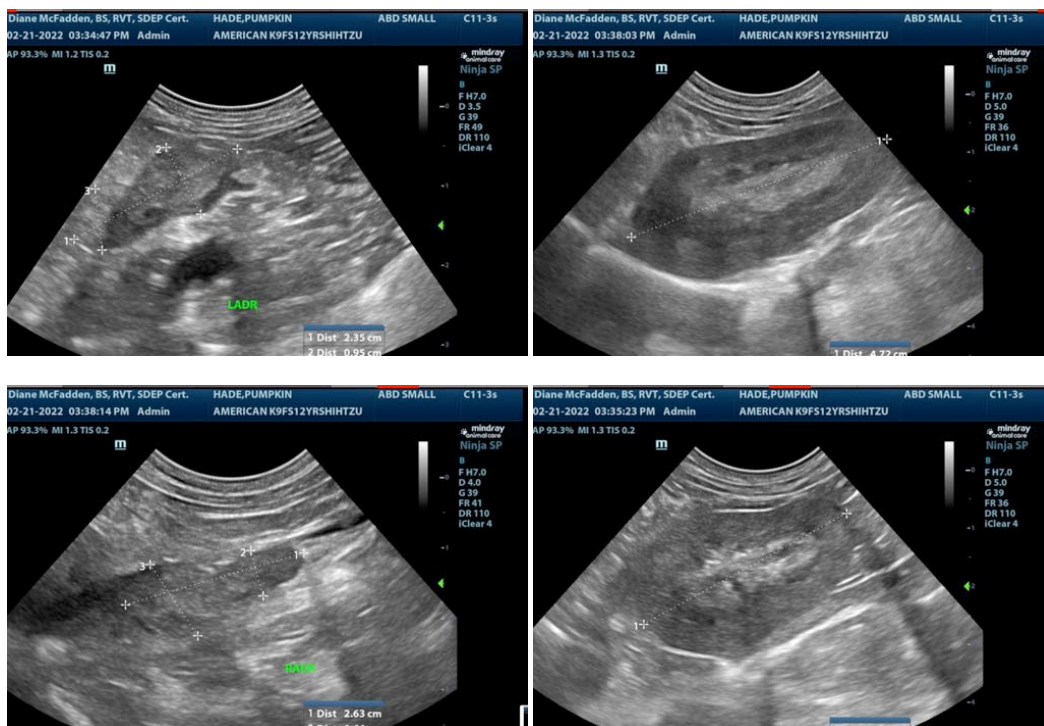
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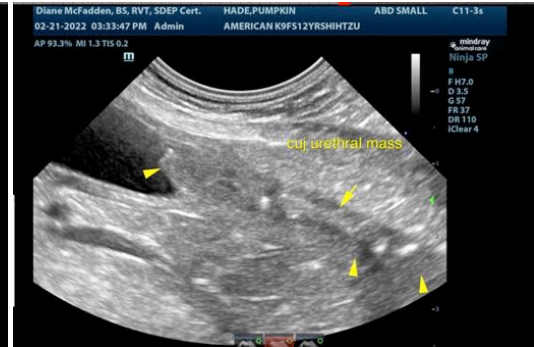
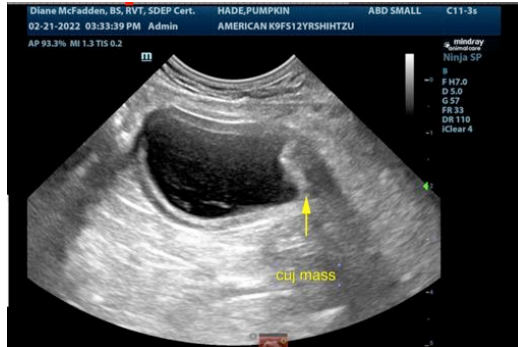
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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