



PATIENT PRESENTING CLINICAL SIGNS

Tyler Fiumarelli History: Urinating blood.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Two image sets were evaluated one was from 4/1/22 and one from 3/21/22

Urinary System

BREED

Chihuahua

The **urinary bladder** revealed cystourethral junction and urethral mass. The mass measured 2.0 cm. The urinary bladder presented a large amount of debris.

SEX

Neutered male

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 left kidney measured 3.0 cm. The right kidney measured 3.0 cm. Blood flow was adequate.

AGE

14 years

Adrenal Glands

WEIGHT

7.6 lbs

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 1.62 x 0.5 cm. The right adrenal gland measured 1.4 x 0.6 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Spleen

IMAGING PERFORMED BY

Dr. Cerf

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

Veterinary Center of
Hardyston

Liver

REFERRING VET

Dr. Cerf

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. Occasional, hypoechoic, non-disruptive nodular change was noted. This is consistent with hyperplasia. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder was mildly over distended with suspended and dependent debris, yet not to the level of emerging mucocele. However, the sludge appears to be mildly excessive. No adjunctive inflammation was noted.

INVOICE

98063

Gastrointestinal

DATE

4/5/22

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. There was some retention of



PATIENT

Tyler Fiumarelli

ingesta was noted in the stomach. 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.

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

Chihuahua

ULTRASONOGRAPHIC FINDINGS

SEX

Neutered male

Cystourethral junction and urethral mass with geriatric abdomen and minor excessive gallbladder debris.

AGE

14 years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

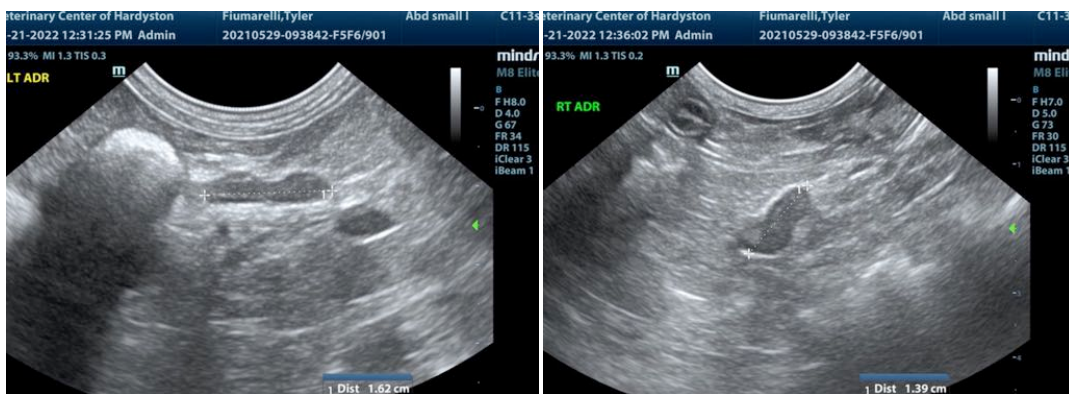
WEIGHT

7.6 lbs

Referral for urethral stent placement and oncological intervention is recommended. This is likely carcinoma. Traumatic catheterization with ultrasound guidance could be considered for definitive diagnosis. The prostate was not visible and obliterated by the mass.

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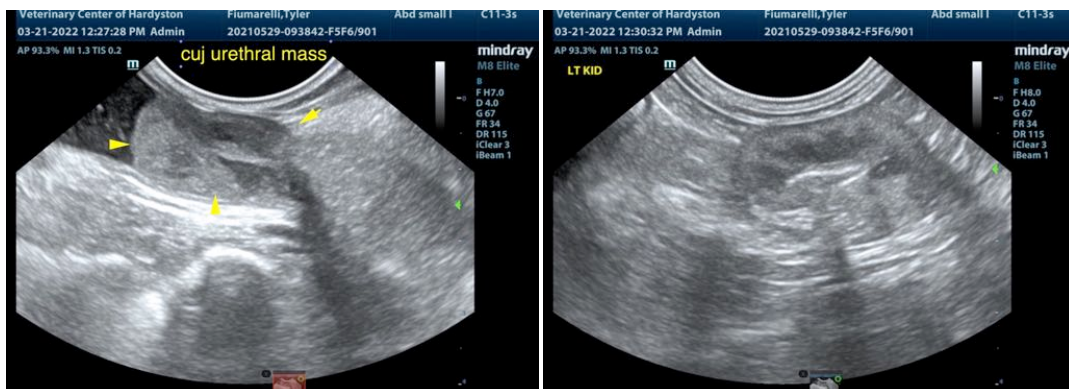


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Hardyston



REFERRING VET

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DATE

4/5/22



PATIENT

Tyler Fiumarelli

SPECIES

Canine

BREED

Chihuahua

SEX

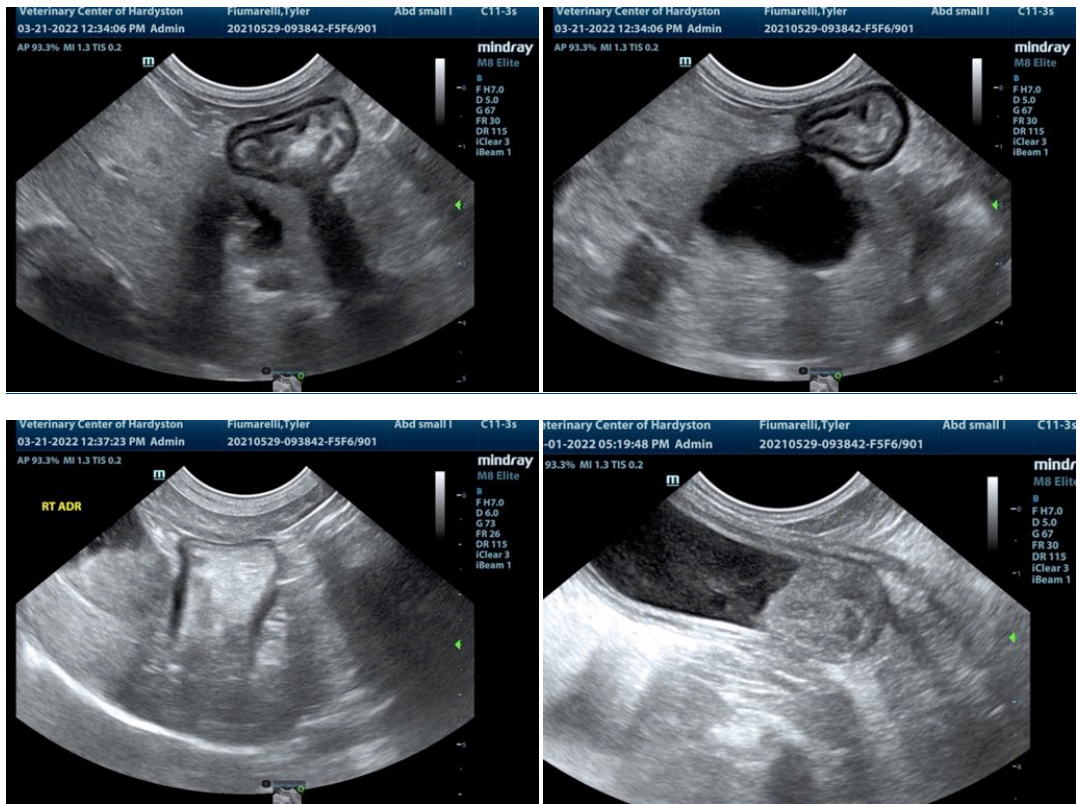
Neutered male

AGE

14 years

WEIGHT

7.6 lbs



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DATE

4/5/22

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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