



PATIENT

Binxster elasquez

PRESENTING CLINICAL SIGNS

History: urinating blood in large amount

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Shih Tzu

The **urinary bladder** revealed a dorsal mass that measured 1.8 cm with other micropolypoid changes.

The prostate was enlarged and heterogenous measuring 3.0 cm. This is consistent with BPH.

SEX

Male

The **kidneys** presented a relatively uniform cortical hyperechogenicity when compared to the renal medulla, spleen and liver. No overt masses were noted. Corticomedullary definition was nebulous and the ratio favored the cortex slightly. The ureters were not visible and assumed to be normal. These changes are most consistent with chronic interstitial nephritis yet infiltrative disease could not be entirely ruled out without biopsy though neoplasia is not suspected. The right kidney measured 4.57 cm with hyperechoic medullary rim sign. The left kidney measured 4.05 cm.

AGE

11 years

Adrenal Glands

WEIGHT

15.6 lbs

The left adrenal gland was slightly irregular at the caudal pole and measured 1.76 x 0.87 cm at the caudal pole and 0.62 cm at the cranial pole. The right adrenal gland measured 2.72 x 0.65 cm at the caudal pole and 0.72 cm at the cranial pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Spleen

IMAGING PERFORMED BY

Jenn

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

Rockaway AH

Liver

REFERRING VET

Dr. Maniar

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 was empty.

INVOICE

31820

Gastrointestinal

DATE

7/20/22

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



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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.

ULTRASONOGRAPHIC FINDINGS

BPH prostate.

Dorsal bladder wall mass. Possibly pronounced polypoid hyperplasia versus carcinoma.

Age related renal changes with medullary rim sign.

Age related hepatic changes.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Traumatic catheterization could be considered with ultrasound-guidance or direct dorsal wall resection. Neutering and dorsal bladder wall resection would be ideal in this patient. Chest radiographs are warranted to assess for metastatic disease.

INTERPRETED BY

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REFERRING VET

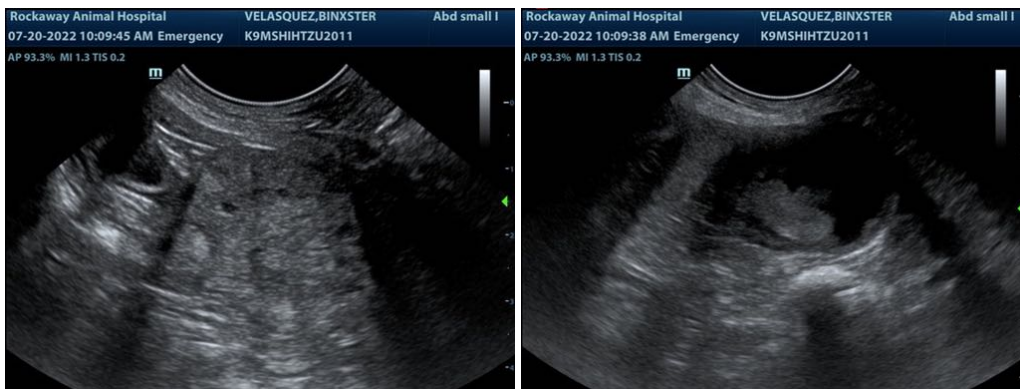
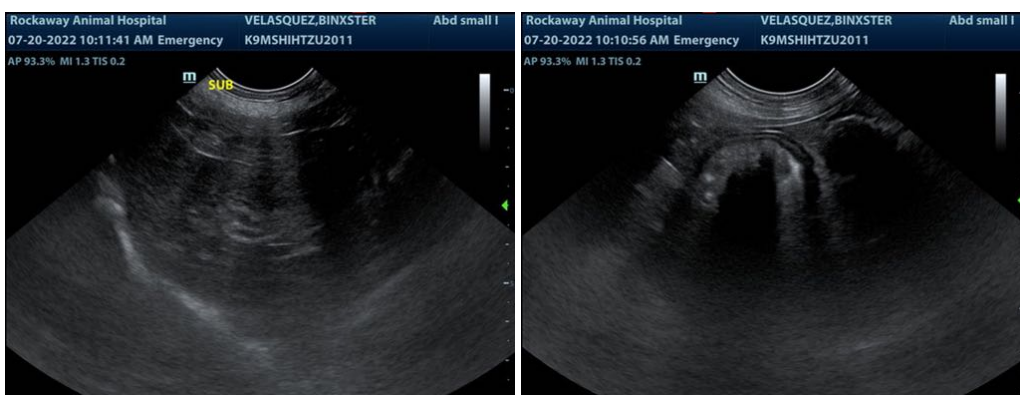
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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
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