



PATIENT

Shea Vasquez

PRESENTING CLINICAL SIGNS

History: possible UTI - hematuria

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** presented suspended debris with overdistention. A polypoid mass was noted in the cystourethral junction measuring 1.0 cm. Mild concentric bladder wall thickening noted with suspended debris and minor sand accumulation of approximately 1.0 cm. The sand continued into the pelvic urethra with irregular polypoid urethral changes. A deep pelvic urethral mass measuring at least 2.0 cm in length x 1.0 cm in width was noted. Variable mineralization noted within the urethra as well as the body of the bladder.

BREED

Poodle-Yorkie X

SEX

Intact Female

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 6.07 cm. Slight mineralization noted in both kidneys. The left kidney measured 5.72 cm.

AGE

7 Years

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 right adrenal gland measured 2.42 cm x 0.48 cm at the caudal pole and 0.49 cm at the cranial pole. The left adrenal gland measured 1.84 cm x 0.66 cm at the caudal pole and 0.57 cm at the cranial pole.

WEIGHT

26 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert IVUSS

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. Slight fluid noted adjacent to splenic fold. 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 were noted.

IMAGING PERFORMED BY

Denise Bruno, LVT,
RDMS

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.

HOSPITAL NAME

Ideal Pet Vet Clinic

REFERRING VET

Dr. Kolta

Gastrointestinal

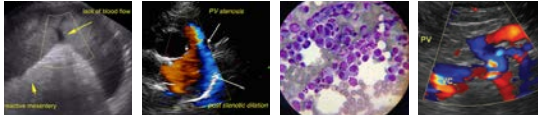
Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

INVOICE

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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.

Other

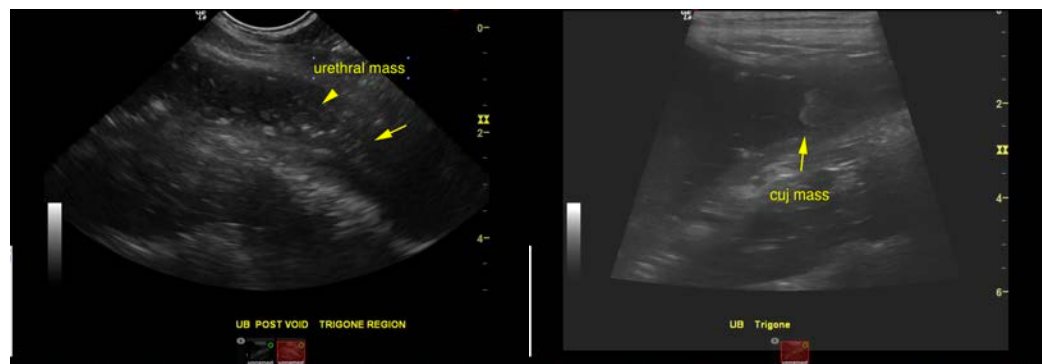
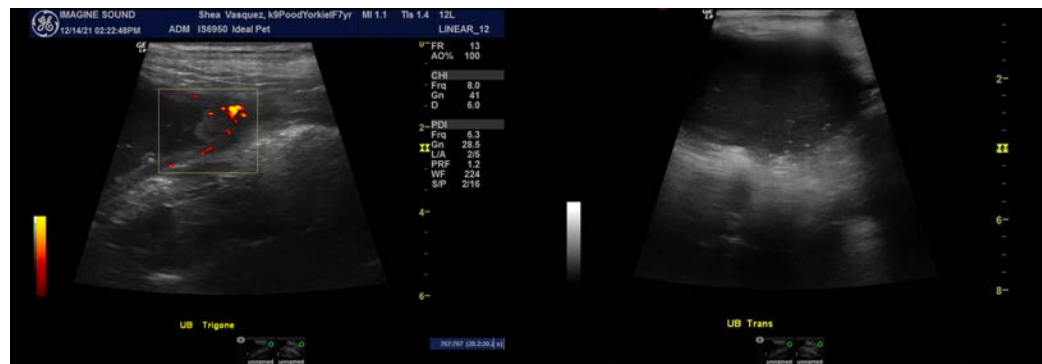
The uterus and reproductive tract were not visible.

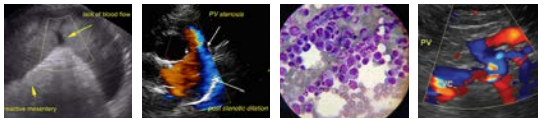
ULTRASONOGRAPHIC FINDINGS

- Mineralizing urethral mass – strongly suggestive for urethral carcinoma
- Slight renal/bladder mineralization

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Cystoscopy recommended to confirm suspicion of urethral neoplasia. Power doppler assessment of the polypoid changes in the bladder revealed positive flow, strongly suggestive for carcinoma. Referral for cystostomy with potential urethral stent placement and chemotherapeutic intervention recommended if carcinoma is confirmed. No evidence of metastatic disease. The fluid adjacent to the spleen is likely secondary to splenic folding.





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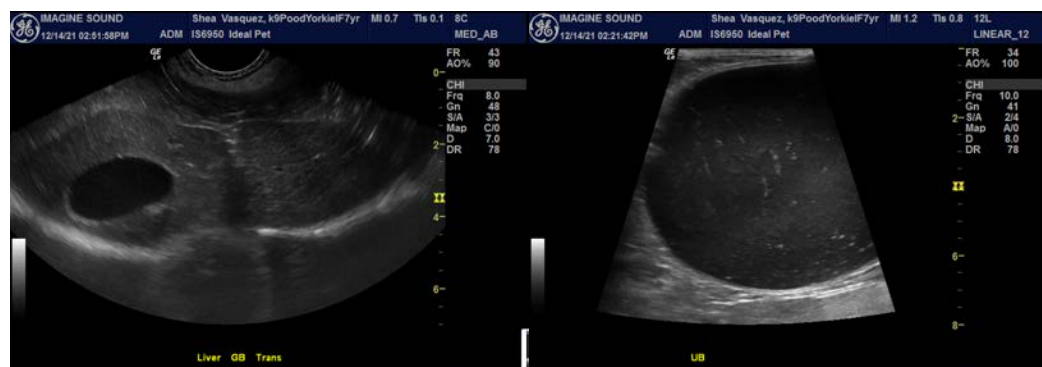
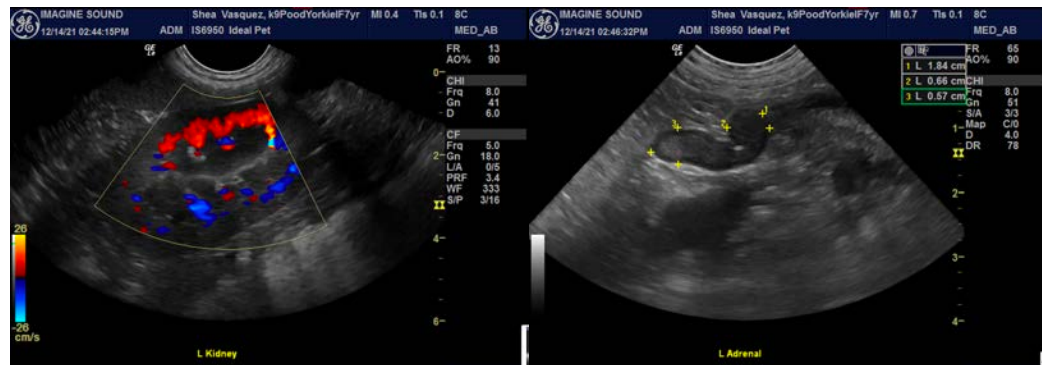
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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
Eric.Lindquist@SonoPath.com