



PATIENT PRESENTING CLINICAL SIGNS

Sabrina Horn History: Hematuria w/ intermittent vaginal discharge.
Abnormal PE/Chem/CBC/UA Results: nsf

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Mix

The **urinary bladder** revealed severe wall thickening with a minimal amount of urine present with small calculi. A minimal amount of urine was present with small calculi. Severe concentric mural thickening was present. There is a strong potential for underlying bladder neoplasia.

SEX

Female

The left ovary was uniform and measured 1.69 x 1.3 cm. The right ovary measured 1.78 x 1.2 cm. The uterus was unremarkable and measured 0.5 cm in wall thickness.

AGE

4 years

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 left kidney measured 6.7 cm. The right kidney measured 6.87 cm.

WEIGHT

89.5 lbs

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 2.26 x 0.45 cm at the caudal pole and 0.68 cm at the cranial pole. The right adrenal gland measured 2.48 x 1.21 cm at the cranial pole and 0.69 cm at the caudal pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Rockaway AH

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.

REFERRING VET

Dr. Maniar

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.

INVOICE

99246

DATE

4/12/22



PATIENT

Sabrina Horn

Gastrointestinal

SPECIES

Canine

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.

BREED

Mix

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.

SEX

Female

Free Abdomen

Severe wall thickening was noted.

AGE

4 years

WEIGHT

89.5 lbs

ULTRASONOGRAPHIC FINDINGS

Concentric bladder wall thickening with a small amount of calculi/sand.
Severe cystitis versus carcinoma.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Cystotomy, bladder wall biopsy, sand removal and analysis is recommended or a cystoscopy can be considered. Cytospin of the free catch urine sample to assess for neoplastic cells is also warranted. However, given the age of the patient this is likely a severe cystitis. Ovariohysterectomy should be considered at the time of surgery.

IMAGING PERFORMED BY

Shari Reffi, CVT

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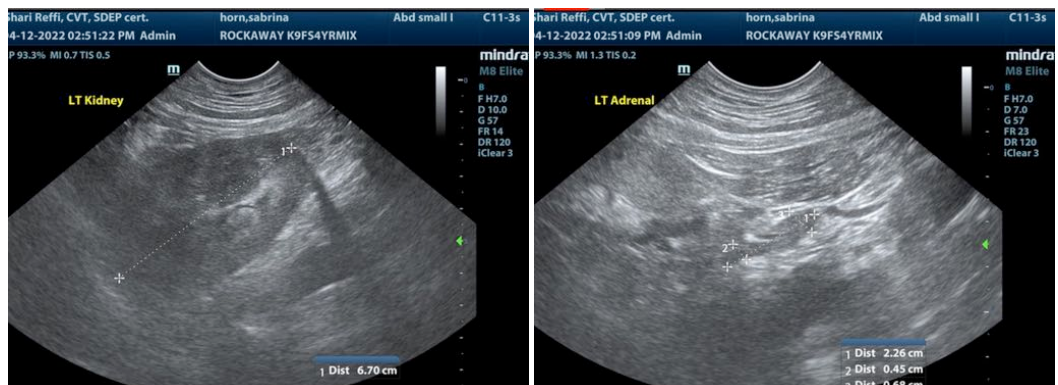
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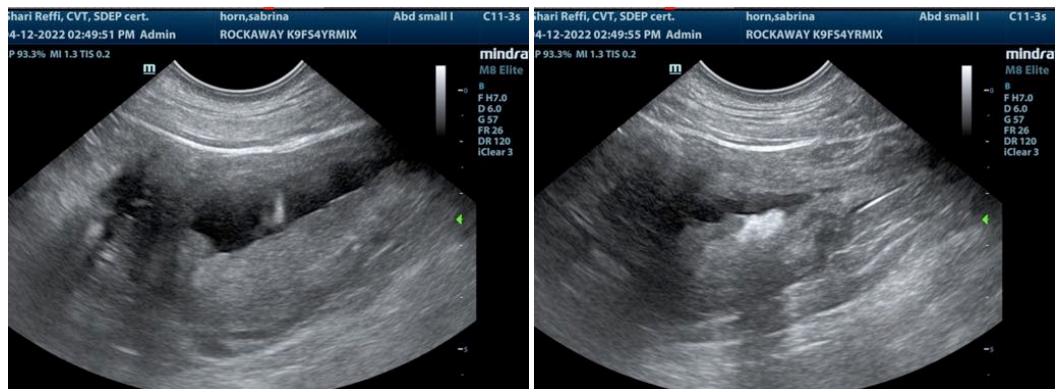
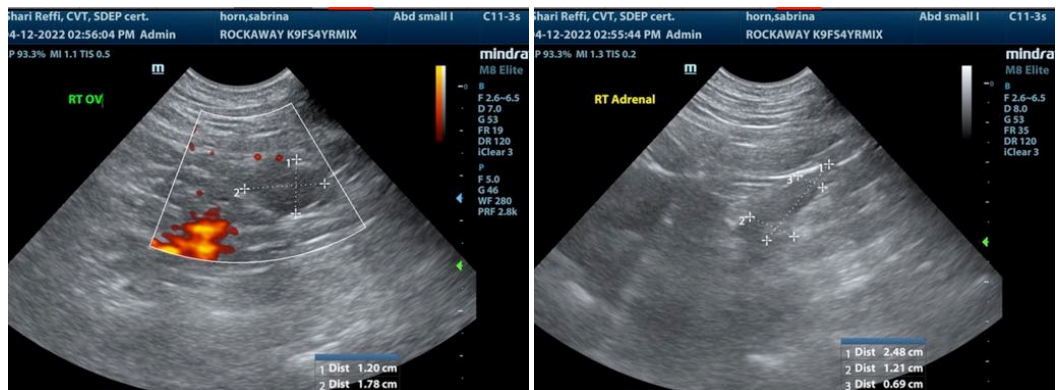
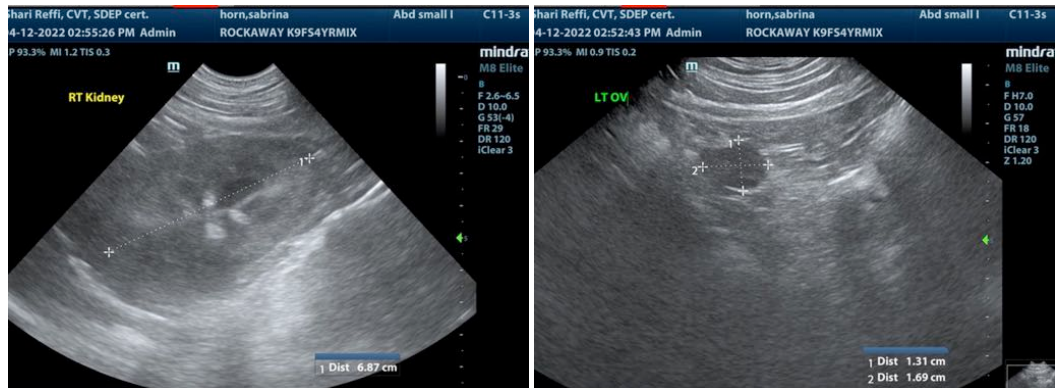
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PATIENT

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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.

SPECIES

Canine

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.

BREED

Mix

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
Info@SonoPath.com

SEX

Female

AGE

4 years

WEIGHT

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