



PATIENT PRESENTING CLINICAL SIGNS

Panda Fougere

History: Hematuria, pollakuria, and dysuria beginning early February with no improvement despite antibiotics and NSAIDs. Pyuria and hematuria noted microscopically. No uroliths visualized on radiographs Baytril 50mg 1/2 tablet PO SID, Rheumocam 5kg dose PO SID. Very stressed during scan and seemed quite uncomfortable.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: On urinalysis, RBC and WBC both >50/HPF, with occasional non-squamous epithelial cells (6-10/HPF) and casts Lateral and VD views of abdomen obtained. Mixed opacity present in stomach. Moderate generalized gas distension present in small intestines. Bladder is small, with no obvious opacities.

BREED

Maltese Cross

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SEX

Spayed Female

Urinary System

The **urinary bladder** revealed a non-resectable mass that measured 2.0 x 1.5 cm and occupied the majority of the bladder entering into the cystourethral junction and urethra with kissing lesions on the ventral wall. The primary mass appears to derive from the dorsal wall and extends into the trigone with early ureteral obstruction at the ureteral papillae.

AGE

13 years

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. Non-obstructive mineralization was noted. The left kidney measured 4.06 cm. The right kidney measured 3.8 cm.

WEIGHT

5.6 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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 1.49 x 0.88 cm at the cranial pole and 0.6 cm at the caudal pole. The left adrenal gland measured 1.23 x 0.29 cm at the caudal pole and 0.34 cm at the cranial pole.

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Snelgrove VS

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. Perit

INVOICE

Liver

The **liver** revealed multi-focal, hypoechoic nodular changes. The changes were fairly subtle, yet present. Mildly increased portal markings were noted. The gallbladder and common bile duct were unremarkable.

DATE

2/25/22



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Gastrointestinal

SPECIES

Canine

A 2.4 cm, hypoechoic ileocecal mass was noted in the midabdomen and a separate gastric mass in the gastric fundus measuring 3.0 cm. The mass is concentric and non-resectable. The mass appears to enter into the gastroesophageal inlet. Regional inflammation was noted as well. Reactive mesentery was noted associated with the GI lesions.

BREED

Maltese Cross

Pancreas

SEX

Spayed Female

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.

AGE

13 years

ULTRASONOGRAPHIC FINDINGS

Non resectable bladder mass and bladder polyps.

Gastric and ileocecal junction masses.

WEIGHT

5.6 kg

Multi-focal, hypoechoic liver nodules are noted.

Moderate degenerative renal changes with non-obstructive calculi.

INTERPRETED BY

Eric Lindquist, DMV
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Multi-centric sarcoma is suspected. Sampling is recommended. Given the global presentation metastatic disease is likely.

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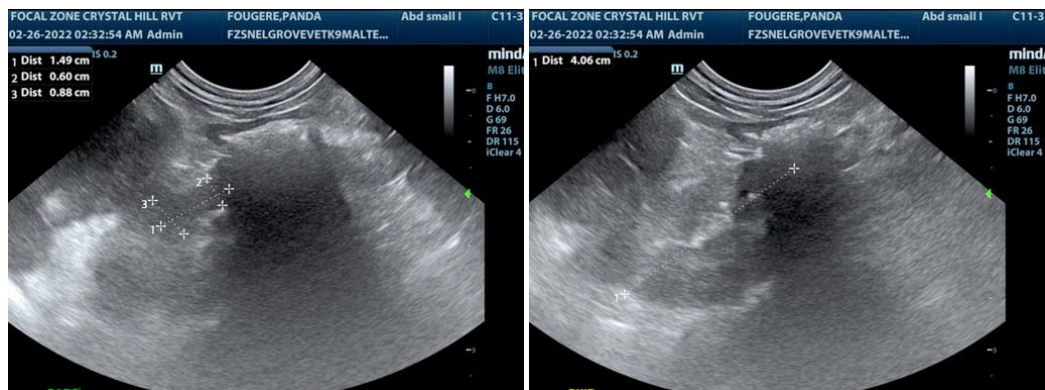
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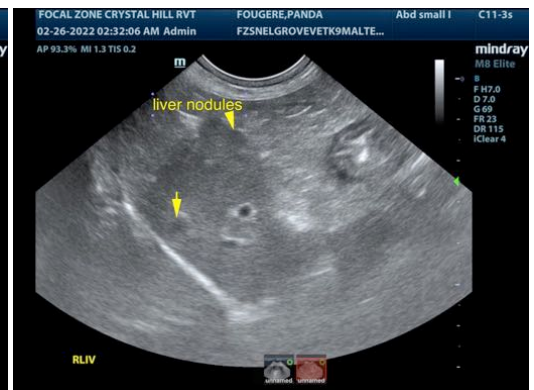
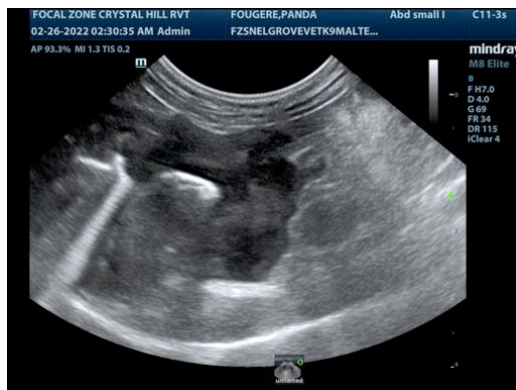
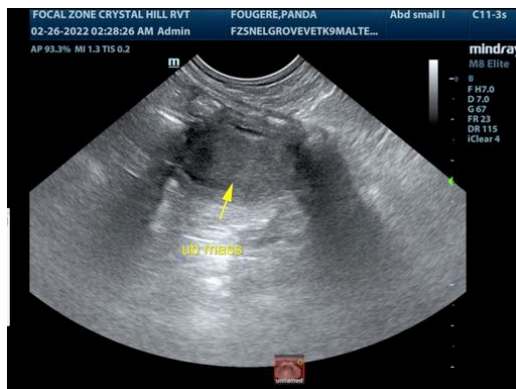
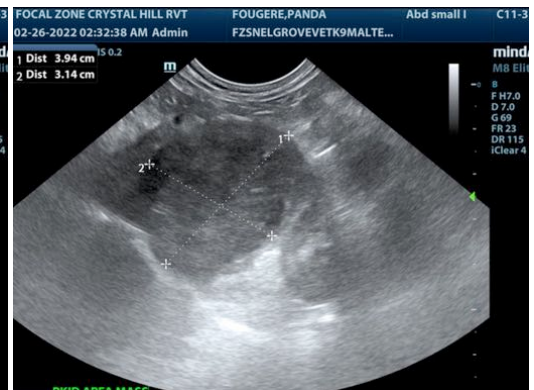
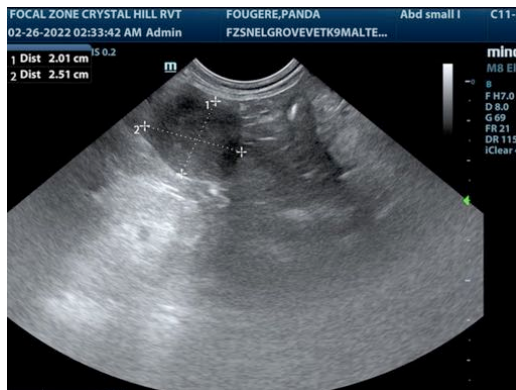
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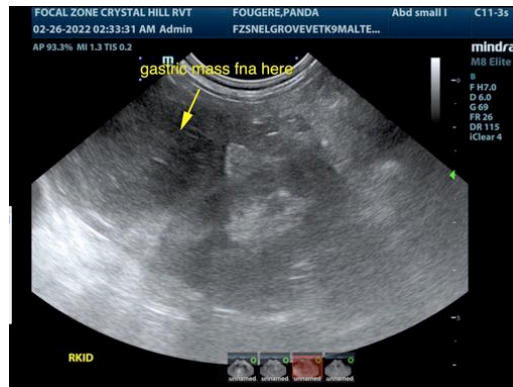
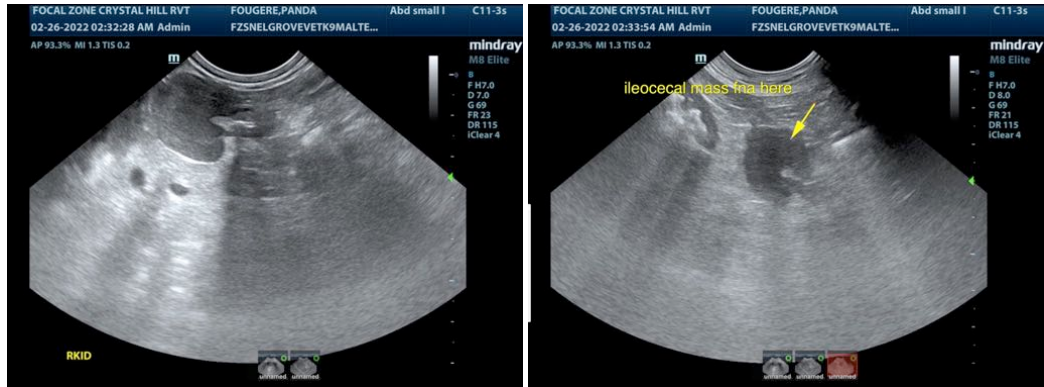
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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