



PATIENT

Bella Kane

SPECIES

Canine

BREED

Bichon Frise

SEX

Spayed Female

AGE

10 years

WEIGHT

3.4 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Sundridge VC

REFERRING VET

Dr. Magill

INVOICE

95370

DATE

1/18/22

PRESENTING CLINICAL SIGNS

Patient with history of hematuria for last 3 weeks. Abdominal x ray non diagnostic, Vaginal exam revealed area of erythema.
Abnormal PE/Chem/CBC/UA Results: Non diagnostic. UA via cystocentesis taken today.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** revealed sand accumulation with suspended debris. This is consistent with blood clot. The sand accumulation measured approximately 1.0 cm.

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 2.63 cm. The left kidney measured 3.0 cm.

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 0.33 cm at the cranial pole and 0.28 cm at the caudal pole. The left adrenal gland measured 0.38 cm at the cranial pole and 0.37 cm at the caudal pole.

Spleen

The **spleen** in this patient was mildly enlarged with uniform parenchyma and was folded upon itself caudally. This is a positional variant and is not pathological. There was no evidence of significant disease.

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 was mildly over distended with a coalesced portion of echogenic bile that measured 2.0 cm.

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.



PATIENT *Pancreas*

Bella Kane The **pancreas** revealed minor heterogenous changes noted in the right limb. The pancreas revealed coarse architecture. The patient likely has a history of pancreatitis.

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ULTRASONOGRAPHIC FINDINGS

Bladder sand and debris.

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Gallbladder sand, gallbladder sludge.

No obvious neoplasia.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Medical management for the bladder sand should prove effective. 48 hour IV fluid protocol may allow for sand dissolution to liberate the bladder debris. Ursodiol therapy should be considered as a preventative given the gallbladder presntation.

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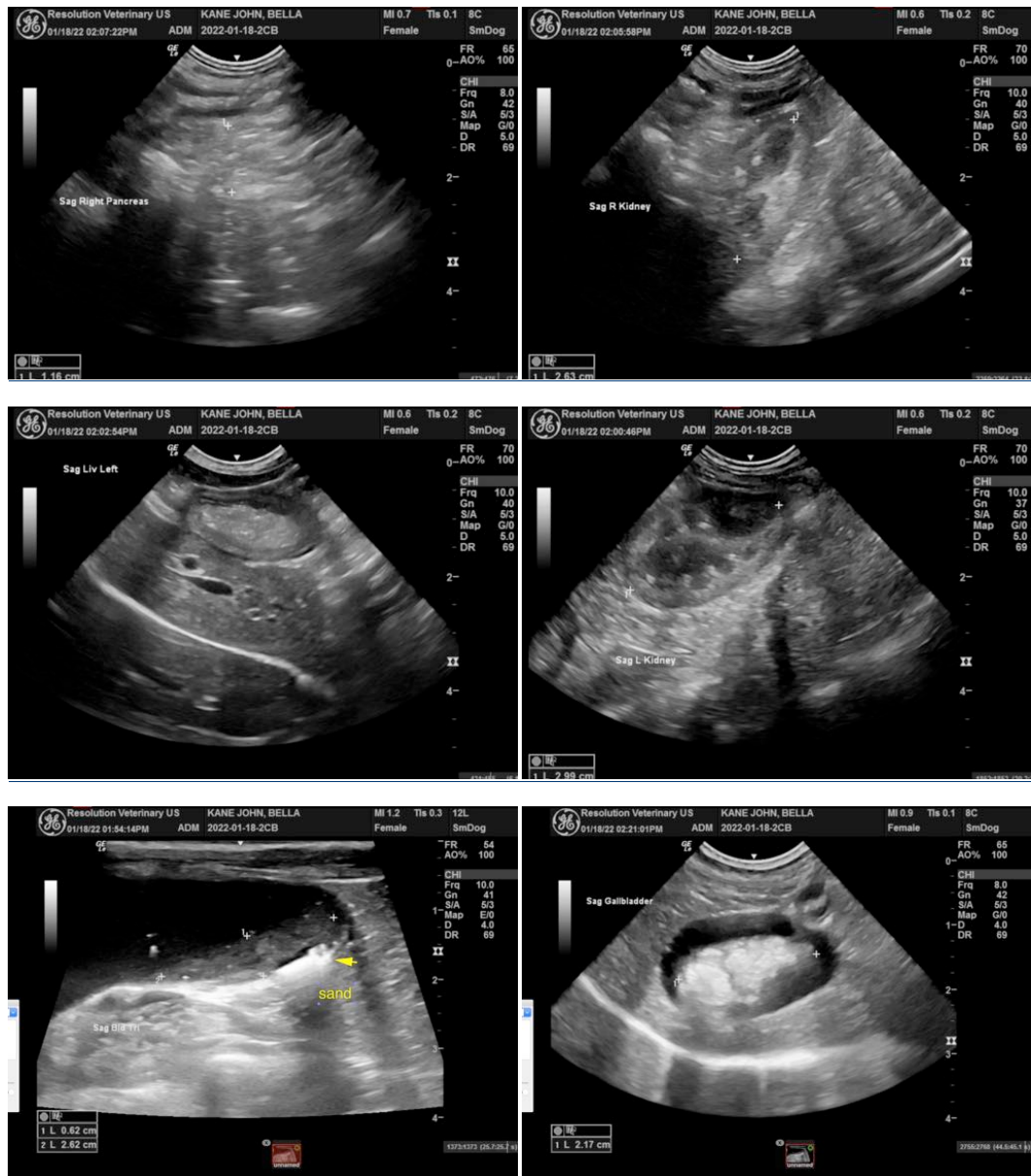
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.



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

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