



PATIENT

Sammie Botts

SPECIES

Canine

BREED

Bichon Frise

SEX

Neutered male

AGE

11 years

WEIGHT

24 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Todd

HOSPITAL NAME

Lambs Gap AH

REFERRING VET

Dr. Todd

INVOICE

95521

DATE

1/25/22

PRESENTING CLINICAL SIGNS

Sammie is an eleven year old, MN, Bichon Frise who was presented on 1/21/22 for annual wellness. He was BAR on exam with moderate dental tartar and normal body temperature. No weight loss was present. His owner reported that he has a great appetite, no vomiting/diarrhea, but has always liked to eat dirt and mulch. On abdominal palpation, a firm, softball-sized mass was palpated in the left cranial abdomen. Vaccines were post-poned and AUS scheduled.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. Sand accumulation was noted and non-obstructive at the time of the sonogram. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The residual prostate measured 0.4 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. The capsules were acceptably uniform without significant irregularities. The left kidney revealed a cortical cyst with echogenic debris. The left kidney measured 7.5 cm with pyelectasia and disrupted architecture. The right kidney revealed multi-focal cysts with echogenic debris. Larger and smaller cysts were noted throughout the kidneys with loss of corticomedullary definition.

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 1.98 x 0.4 cm at the cranial pole and 0.45 cm at the caudal pole.

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.

Liver

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 presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory,



PATIENT

Sammie Botts

infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

SPECIES

Canine

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.

BREED

Bichon Frise

SEX

Neutered male

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.

AGE

11 years

ULTRASONOGRAPHIC FINDINGS

Complex renal cysts, minor potential for neoplasia such as hemangiosarcoma.

WEIGHT

24 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The echogenic cysts may be harboring infection. Full urinary work-up is warranted in this patient. Urine culture and sensitivity as well as drainage of the cysts could be considered with culture as well. However, there is some risk of leakage. If drainage of the cystic structures especially on the right reveal hemorrhage within the kidney then hemangiosarcoma is a potential. However, these are likely complex renal cysts with potential underlying infection. If UTI is a chronic issue in this patient then pulse antibiotics may be necessary to control the level of infection.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Todd

HOSPITAL NAME

Lambs Gap AH

REFERRING VET

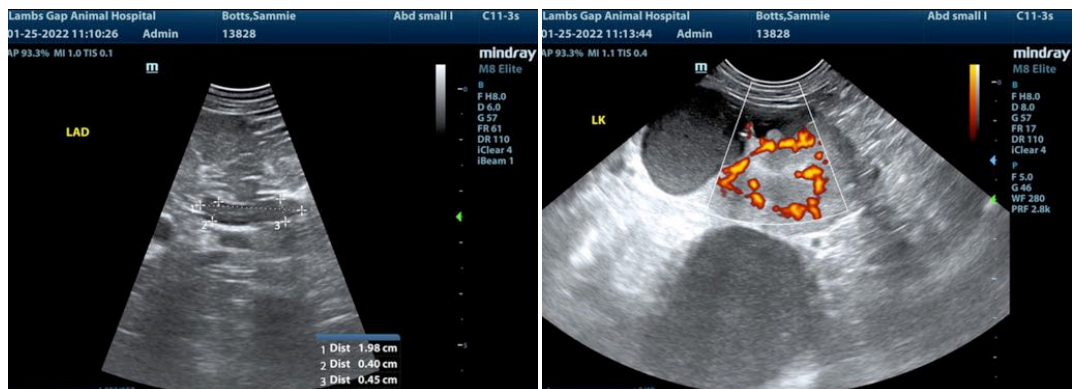
Dr. Todd

INVOICE

95521

DATE

1/25/22





PATIENT

Sammie Botts

SPECIES

Canine

BREED

Bichon Frise

SEX

Neutered male

AGE

11 years

WEIGHT

24 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Todd

HOSPITAL NAME

Lambs Gap AH

REFERRING VET

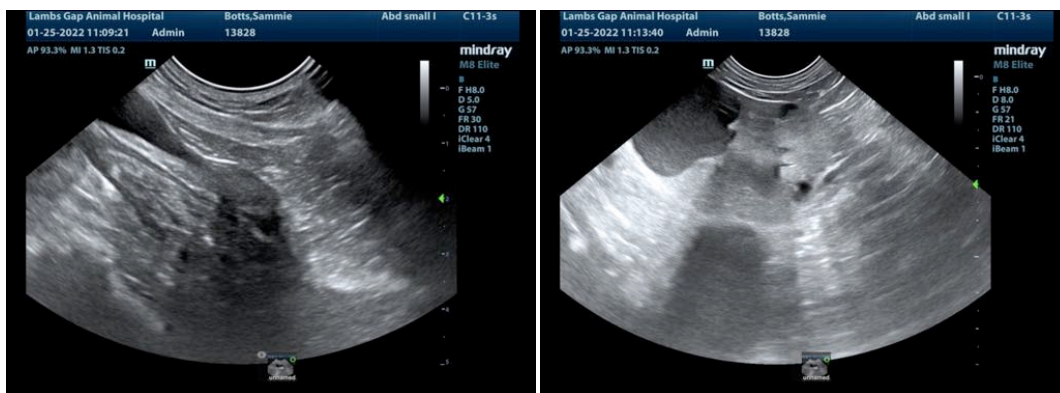
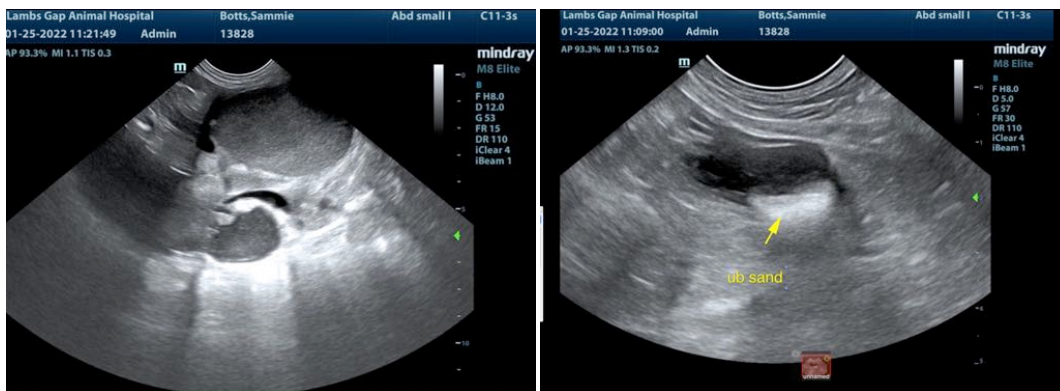
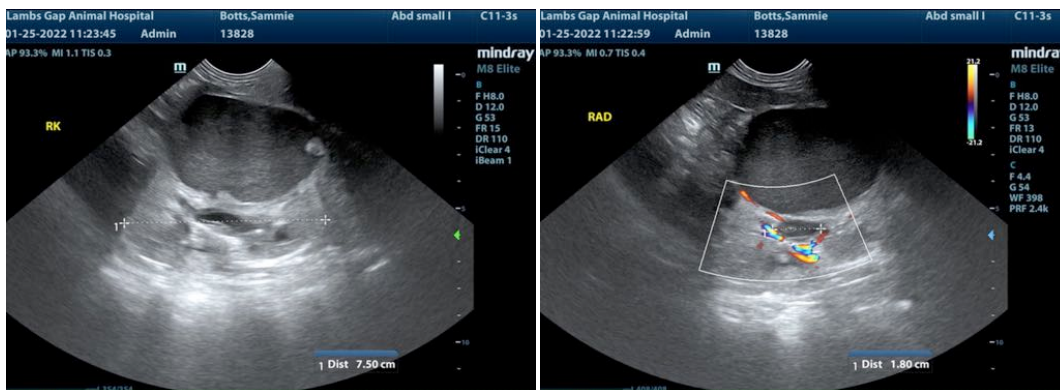
Dr. Todd

INVOICE

95521

DATE

1/25/22





PATIENT

Sammie Botts

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

Bichon Frise

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

SEX

Neutered male

AGE

11 years

WEIGHT

24 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dr. Todd

HOSPITAL NAME

Lambs Gap AH

REFERRING VET

Dr. Todd

INVOICE

95521

DATE

1/25/22