



PATIENT

Bonnie Behrens

SPECIES

Canine

BREED

Bichon Frise

SEX

Spayed Female

AGE

11 Years

WEIGHT

12 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

All Creatures Great and Small

REFERRING VET

Dr. Mitrovic

INVOICE

23214

DATE

7/7/23

PRESENTING CLINICAL SIGNS

History: Anorexia, bloated, uncomfortable abd. Palpations large GI. Since last night: loose stool, hemorrhagic. Current meds: (since yesterday) Enema, reglan, fluids

Abnormal PE/Chem/CBC/UA Results: PLT Ct 471

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. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some mild 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 his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The right kidney measured 4.22 cm. The left kidney measured 4.11 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 left adrenal gland measured 2.0 cm x 0.45 cm at the caudal pole and 0.37 cm at the cranial pole.

Spleen

The **spleen** was mildly enlarged with subtle micronodular changes. Additionally, a 1.3 cm x 0.88 cm nodule was noted in the cranial pole of the spleen.

Liver

The **liver** revealed multifocal hypoechoic nodular changes and increased portal markings. The gallbladder and common bile duct were unremarkable.

Gastrointestinal

The **upper gastrointestinal tract** was unremarkable. The colon wall was thickened. The descending colon was thickened, to 0.5 cm. Some loss of mural detail was noted.

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.

Free Abdomen

Epigastric **lymph nodes** were slightly enlarged, measuring 1.0 cm x 0.5 cm.



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Other

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A rapid view of the **heart** revealed no evident pathology.

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ULTRASONOGRAPHIC FINDINGS

- Splenic and hepatic nodular changes- hyperplasia vs round cell neoplasia are differentials for the spleen. Nodular hyperplasia liver vs metastatic disease are differentials for the liver.
- Epigastric lymph nodes slightly enlarged.
- Thickened colon- Colitis vs early infiltrative disease.
- Age-related renal changes

BREED

Bichon Frise

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

FNA of the spleen and liver is indicated for further definition. Strong concern for emerging round cell neoplasia. Prognosis is guarded.

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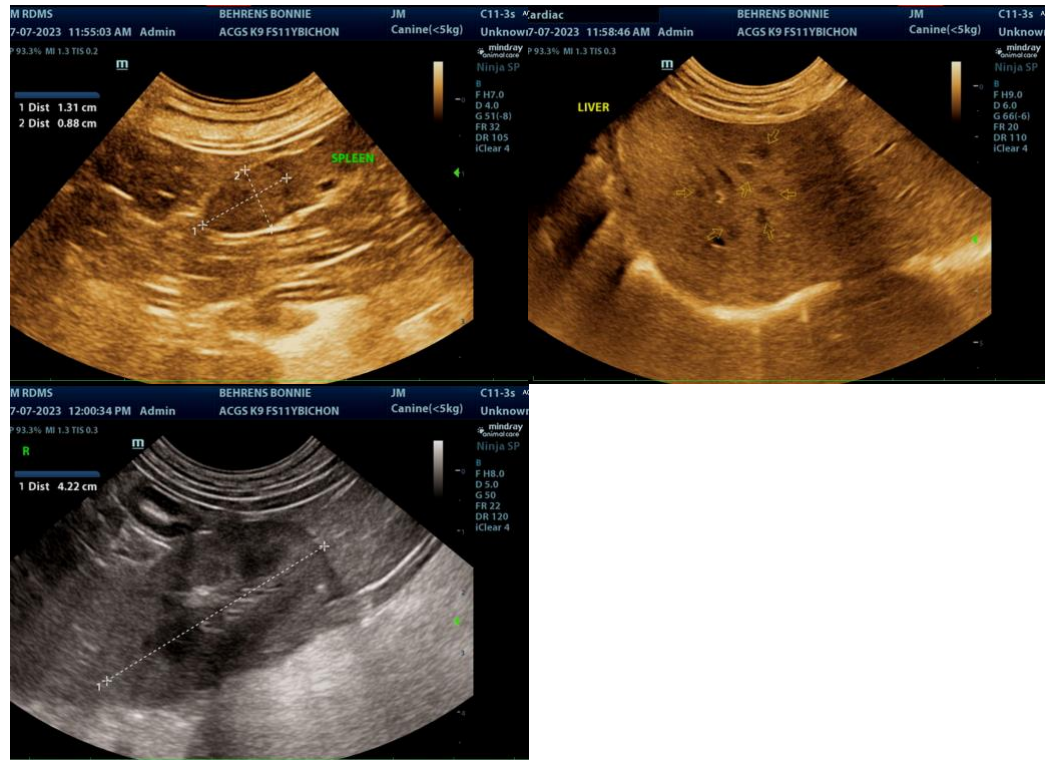
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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
info@SonoPath.com