

PATIENT

Mona Cakes Bagnoli

SPECIES

Canine

BREED

Beagle Mix

SEX

Spayed female

AGE

12 years

WEIGHT

55 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jessica Miller, RDMS

HOSPITAL NAME

Whippany VH

REFERRING VET

Dr. Cordero

INVOICE

46513

DATE

8/9/23

PRESENTING CLINICAL SIGNS

History: Continued elevation of liver values - recently started Enalapril due to Proteinuria. Current meds: Enalapril 10mg SID
Abnormal PE/Chem/CBC/UA Results: ALKP 1149, ALT 268, GGT 15, K 5.6 UA: protein +3, pH6.5, UPC 4.1 SG: 1.024

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 was noted. Ureteral papillae were normal.

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 6.44 cm. The left kidney measured 6.25 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 2.29 x 0.6 cm at the caudal pole and 0.65 cm at the cranial pole. The right adrenal gland measured 2.72 x 0.67 cm at the caudal pole and 1.28 cm at the cranial pole.

Spleen

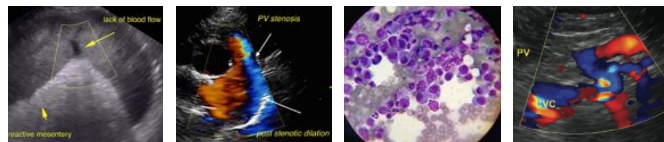
The **spleen** revealed an expansive, hypoechoic 2.72 cm nodule that was deriving from the caudal pole. The remainder of the spleen was unremarkable.

Liver

The **liver** revealed an expansive 6.6 x 5.8 cm hepatoma type mass. The position of the mass appeared to be cranial/medial. This is a difficult area for resection. Other heterogenous parenchymal changes were noted in the liver. However, much of the liver was unremarkable. The gallbladder and common bile duct were unremarkable.

Gastrointestinal

There was some residual chyme and gas was noted in the **stomach**, yet not pathological. This is consistent with end post prandial presentation. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. Small and



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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.

SPECIES

Pancreas

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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.

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Heart

SEX

Rapid view of the heart revealed no evidence of pathology in the right auricle or right atrium.

Spayed female

ULTRASONOGRAPHIC FINDINGS

AGE

Cranial liver mass. Differentials include low-grade hepatocellular carcinoma versus benign hepatoma.

12 years

Concurrent splenic nodule. Differentials include round cell neoplasia, emerging hemangiosarcoma and hyperplasia.

WEIGHT

55 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Ideally CT evaluation of the abdomen and chest would be warranted for surgical planning in this patient. However, this is a difficult region to resect. FNA of both lesions could be considered and can be performed at the time of the CT, but could also be performed prior to CT evaluation.

IMAGING PERFORMED BY

Jessica Miller, RDMS

ABOUT SONOPATH CT SERVICES:

SonoPath CT Services are offered at the SonoPath Imaging and Veterinary Education Center, 141 Main St (rt 206), Andover, New Jersey, a 20-minute drive west on route 80/206 North from the route 80/287 interchange/Parsippany, New Jersey. More information can be found at <https://sonopath.com/services/vetimaging/>

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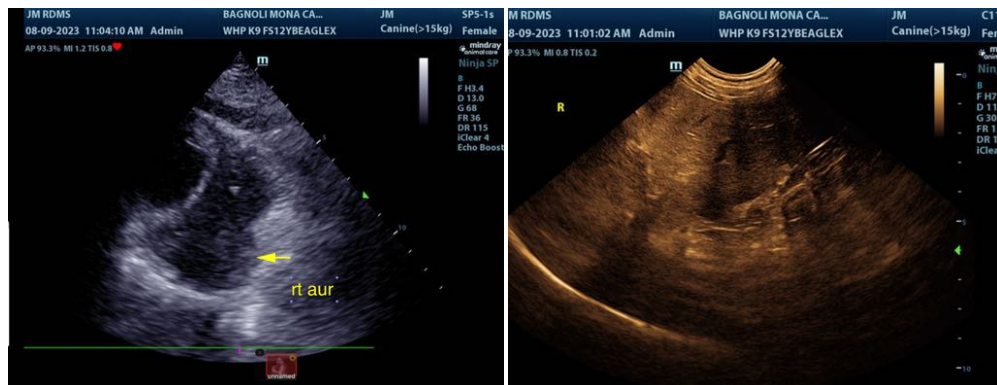
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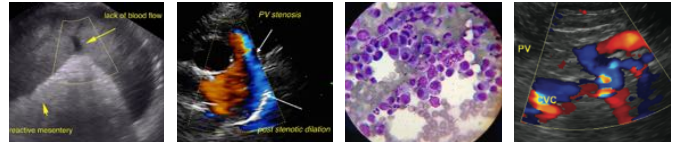
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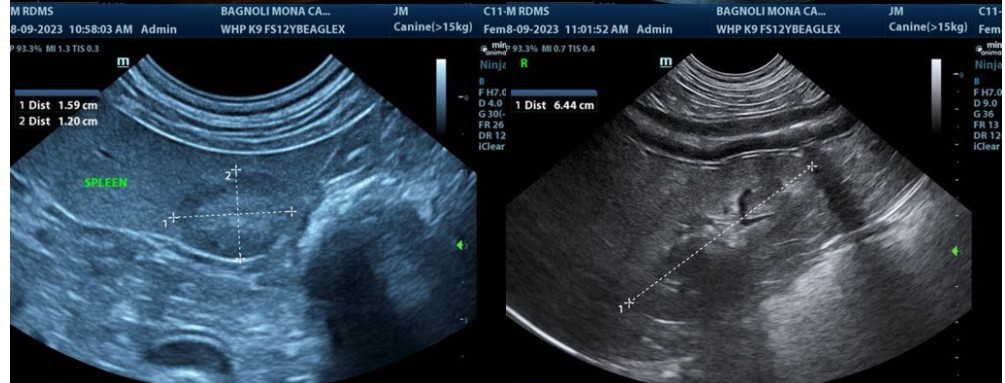
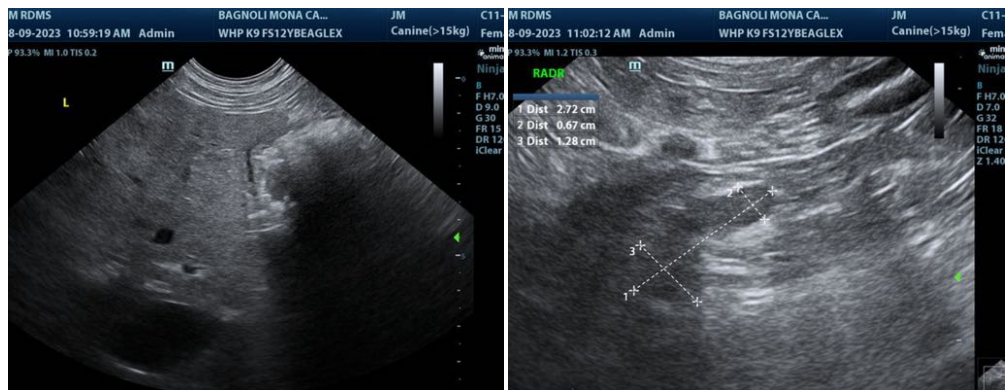
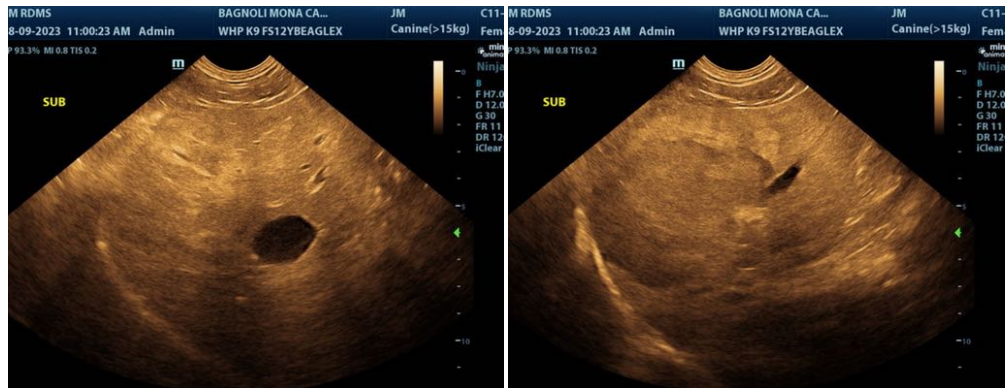
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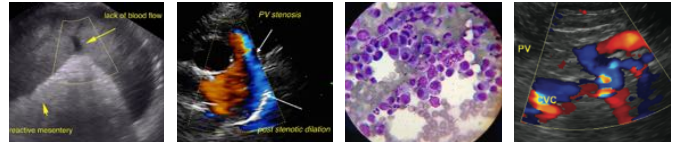
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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
Info@SonoPath.com