



PATIENT PRESENTING CLINICAL SIGNS

Lilly Norris History: Signs that are compatible with a shunt

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Yorkie

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.

SEX

Spayed Female

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 left kidney measured 2.6 cm. The right kidney measured 2.85 cm.

AGE

6 years

WEIGHT

4 lbs

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 1.35 x 0.8 cm at the cranial pole and 0.43 cm at the caudal pole. The left adrenal gland measured 1.37 x 0.41 cm at the cranial pole and 0.33 cm at the caudal pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Hunt

Spleen

The **spleen** was structurally unremarkable, yet displaced cranially occupying the area of the left liver given that the left liver is poorly developed.

HOSPITAL NAME

Bayshore VH

Liver

The **liver** is significantly subnormal in size. The portal vein to vena cava ratio was 1:1 both measuring 0.5 cm each. There was no evidence of intrahepatic or extrahepatic shunting. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident.

REFERRING VET

Dr. Hunt

INVOICE

96257

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.

DATE

2/22/22



PATIENT

Pancreas

Lilly Norris

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.

SPECIES

Canine

ULTRASONOGRAPHIC FINDINGS

BREED

Yorkie

Microhepatica without evidence of macroscopic shunting.

SEX

Spayed Female

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no evidence of intrahepatic or extrahepatic shunting present. If the bile acids are elevated it would be consistent with portal hypoplasia/microvascular dysplasia, which is a biopsy diagnosis. Hepatic biopsy is necessary for further definition.

AGE

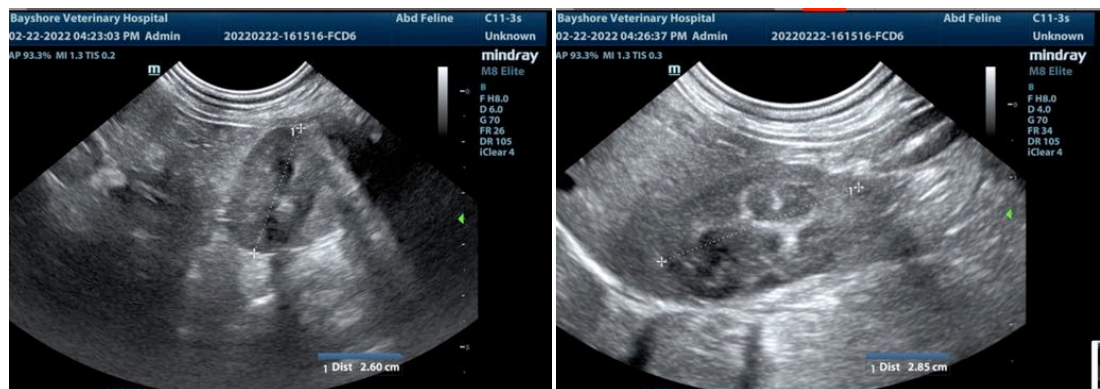
6 years

WEIGHT

4 lbs

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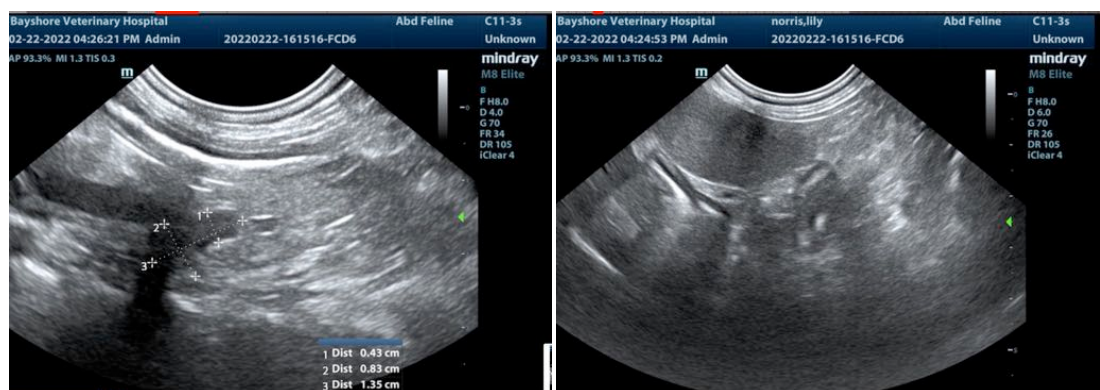


IMAGING PERFORMED BY

Dr. Hunt

HOSPITAL NAME

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PATIENT

Lilly Norris

SPECIES

Canine

BREED

Yorkie

SEX

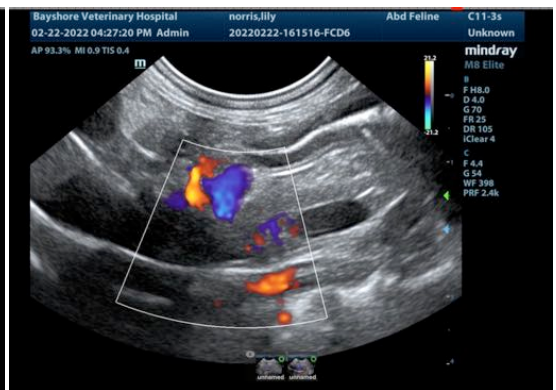
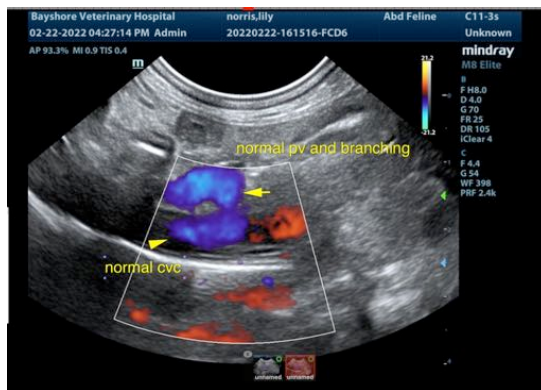
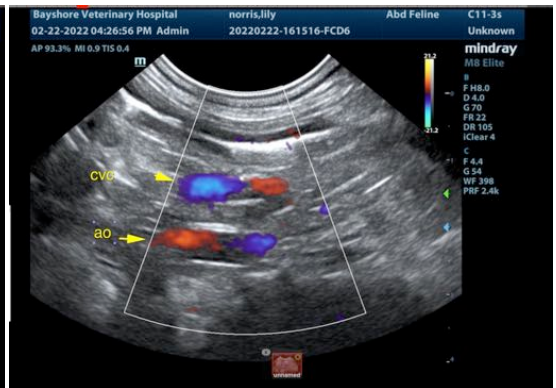
Spayed Female

AGE

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The information and recommendations provided are based on the images provided 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