

PATIENT

Leelo Namoff

PRESENTING CLINICAL SIGNS

History: "Leelu" Nadine and Bryan Hoffman 12 years old female, spayed concerned about mass in abdomen

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Lab Mix

Urinary System

The urinary bladder wall is normal for the degree of luminal distension. The urine is anechoic with no evidence of debris. Cystic calculi and discrete masses are not observed. Approximately halfway between the apex and the cysto-urethral junction, there is what appears to be a ureter entering the bladder. The location seems more cranially-located than is typical. The visible portion of the proximal urethra is normal.

SEX

Spayed Female

The **left kidney** is normal size (6.65 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis.

AGE

12 years

The **right kidney** is normal size (6.50 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis.

WEIGHT

70 lbs

Adrenal Glands

The **left adrenal gland** is normal size (0.42 cm at cranial pole) (0.58 cm at caudal pole) (3.75 cm in length); with a flattened contour; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM (Small
Animal Internal Medicine)

The **right adrenal gland** is normal in length (0.44 cm at cranial pole) (0.45 cm at caudal pole) (2.86 cm in length); with a flattened contour; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

IMAGING PERFORMED BY

Loetitia Saint-Jacques,
RVT LVT

Spleen

The **spleen** is subjectively prominent in size (2.76 cm in width at the level of the hilus) with swollen, slightly rounded peripheral margins. The parenchyma is subtly mottled in appearance with several ill-defined hyperechoic areas throughout the organ. In addition, a 1.05 cm slightly hypoechoic nodule is observed at the medial aspect. Splenic vasculature is normal with no obvious evidence of thrombosis.

HOSPITAL NAME

Roundhill AH

Liver

The **liver** is subjectively normal in size with normal contours and structure. There is appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative, or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of congestion. No pathological hepatic lymphadenopathy observed.

REFERRING VET

Dr. Carl Kelly

The **gall bladder** lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal/not seen.

INVOICE

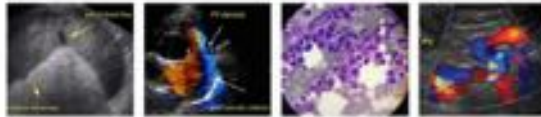
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Gastrointestinal

The **gastric lumen** is moderately distended with ingesta. The gastric wall is normal in thickness with a normal layering pattern. The small intestinal lumen is segmentally dilated with chyme. The small intestinal wall is normal in thickness with a normal layering pattern and appropriate mural

DATE

6.29.22



PATIENT

Leelo Namoff detail. Discreet masses are not identified. The colonic wall is normal. The colonic lumen contains shadowing fecal material. There is no obvious evidence of an obstructive pattern.

SPECIES

Pancreas

Canine

A portion of the **pancreas** is obscured by the gastric distention. In the visualized portion of the right limb, the pancreas is prominent to enlarged with slightly irregular peripheral contours. The parenchyma is hyperechoic relative to surrounding omental fat and mottled in appearance. No distinct focal lesions are observed. The pancreatic duct is not overtly dilated. The left limb is normal in size and largely isoechoic relative to surrounding omental fat.

BREED

Lab Mix

Free Abdomen

There is no evidence of free fluid. The abdominal **lymph nodes** are normal/not visible.

SEX

Other

Spayed Female

A brief echocardiogram reveals no evidence of pericardial effusion or obvious right atrial/auricular mass.

AGE

12 years

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- The splenic parenchymal changes trends toward the benign (i.e., lymphoid hyperplasia, extramedullary hematopoiesis or similar) with a lower possibility of infiltrative neoplasia (i.e., round cell tumor). The ill-defined hyperechoic areas also trend toward the benign (i.e., myelolipomas).

WEIGHT

70 lbs

Secondary Findings

- The flattened adrenal glands may be a normal variant or could be consistent with early atrophy (i.e., secondary to hypoadrenocorticism)
- Minor bilateral age-related renal changes
- The pancreatic changes are most consistent with remodeling/fibrosis. Concurrent pancreatitis is also possible, particularly if the patient exhibits pain on cranial abdominal palpation.

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Animal Internal Medicine)

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

A fine-needle aspirate of the spleen can be considered (if clotting status is appropriate) to help assess for round cell neoplasia. A 25-gauge needle should be used.

Given the patient's age, a CBC, chemistry panel, urinalysis and T4 is recommended to assess overall metabolic function.

Thoracic radiographs can also be considered to assess cardiopulmonary status.

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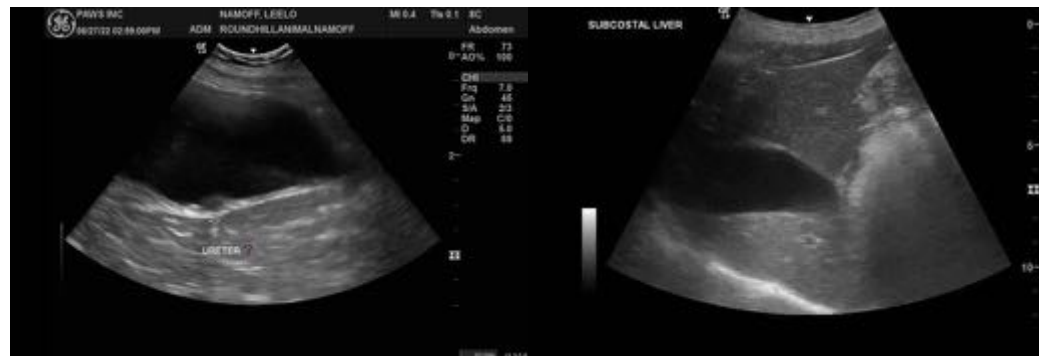
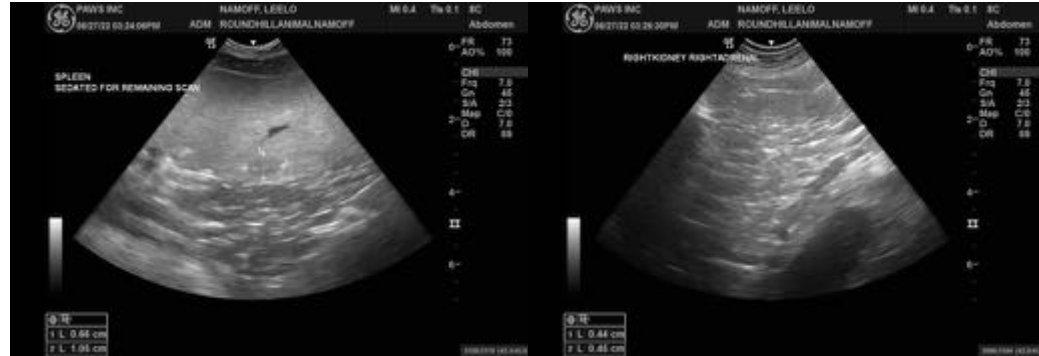
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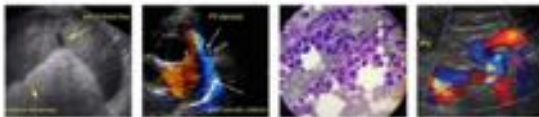
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



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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.

SPECIES

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info@SonoPath.com

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