



PATIENT PRESENTING CLINICAL SIGNS

Sadie Nicholas History: Severe nonregenerative anemia. Albumen 2.1. Lethargic and fever of 103.8. Poor appetite.

SPECIES Abnormal lab-work values: PCV = 14%.
Feline Current Medications: Mirataz, Veraflox

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

DSH

Urinary System

SEX

Spayed Female The urinary bladder, trigone, and pelvic urethra are normal in thickness and the mucosal surface is smooth. The bladder lumen is mildly distended with anechoic urine. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2 cm, are normal.

AGE

12 years The left kidney is normal size (4.20 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

WEIGHT

13.2 lbs The right kidney is normal size (4.21 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

INTERPRETED BY

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

Adrenal Glands

The left adrenal gland is normal size (0.34 cm width). Normal shape and glandular echogenicity. The phrenicoabdominal vein and surrounding vasculature are normal.

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The right adrenal gland is normal size (0.41 cm width). Normal shape and glandular echogenicity. The phrenicoabdominal vein and surrounding vasculature are normal.

HOSPITAL NAME

Cats Only AH

Spleen

The spleen is enlarged (1.10 cm in width at the level of the hilus) with a with a slightly swollen medial contour. The parenchyma is homogenous. No distinct focal lesions are observed. Splenic vasculature appears normal with no evidence of thrombosis.

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Dr. Ben Fuller

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. The portal vein to caudal vena cava ratio is approximately 1: 1.

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PATIENT	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.
Sadie Nicholas	
SPECIES	Gastrointestinal
Feline	The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The ileocecolic junction and colonic wall are normal. There is no evidence of an obstructive pattern.
BREED	
DSH	
SEX	Pancreas
Spayed Female	The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.
AGE	Free Abdomen
12 years	No free fluid is observed. A 1.18 cm medial iliac lymph node is visualized. A few prominent mesentery lymph nodes are also seen, the largest measuring 0.52 cm in length. Surrounding mesentery is hyperechoic.
WEIGHT	Other
13.2 lbs	A brief echocardiogram reveals no evidence of pericardial effusion or obvious right atrial/auricular mass.
INTERPRETED BY	ULTRASONOGRAPHIC FINDINGS
Andrea Nicastro, DVM, Diplomate ACVIM (Small Animal Internal Medicine)	Primary Findings
IMAGING PERFORMED BY	<ul style="list-style-type: none">The splenomegaly could be consistent with extramedullary hematopoiesis (i.e., due to severe anemia), lymphoid hyperplasia, splenitis, antigenic stimulation, or less likely infiltrative neoplasia (i.e., round cell tumor).The prominent abdominal lymph nodes are most consistent with reactive lymphadenitis or lymphoid hyperplasia. Neoplastic infiltration is considered less likely.
Andrea Nicastro, DVM, Diplomate ACVIM (Small Animal Internal Medicine)	
HOSPITAL NAME	
Cats Only AH	*An obvious cause for the patient's anemia is not identified in this study. Considerations include autoimmune disease, infectious disease (i.e., Mycoplasma, Cytauxzoonosis), bone marrow disease, occult neoplasia, low-grade GI bleeding, other.
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Dr. Ben Fuller	
INVOICE	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
10872	A fine-needle aspirate of the spleen can be considered if clotting status is appropriate. A 25-gauge needle should be used. This may help to rule out lymphoma or other round cell neoplasms.
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PATIENT

A Haemobartonella PCR panel is also recommended.

Sadie Nicholas

Given the bicytopenia, a bone marrow aspirate can also be considered. If pursued, an immunofluorescence assay for feline leukemia should be performed on the bone marrow to assess for sequestered infection.

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

12 years

WEIGHT

13.2 lbs

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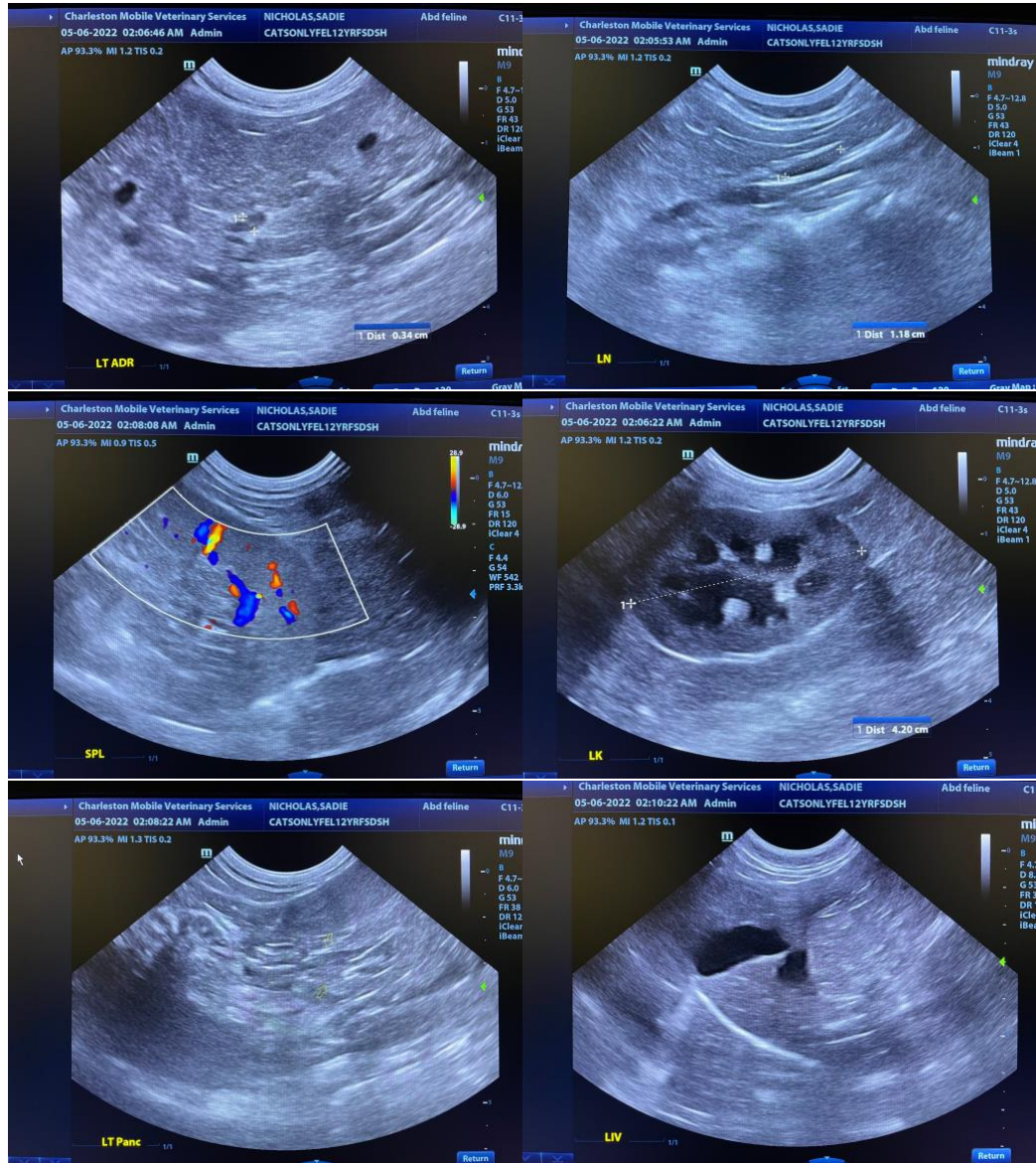
Dr. Ben Fuller

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PATIENT

Sadie Nicholas

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

12 years

WEIGHT

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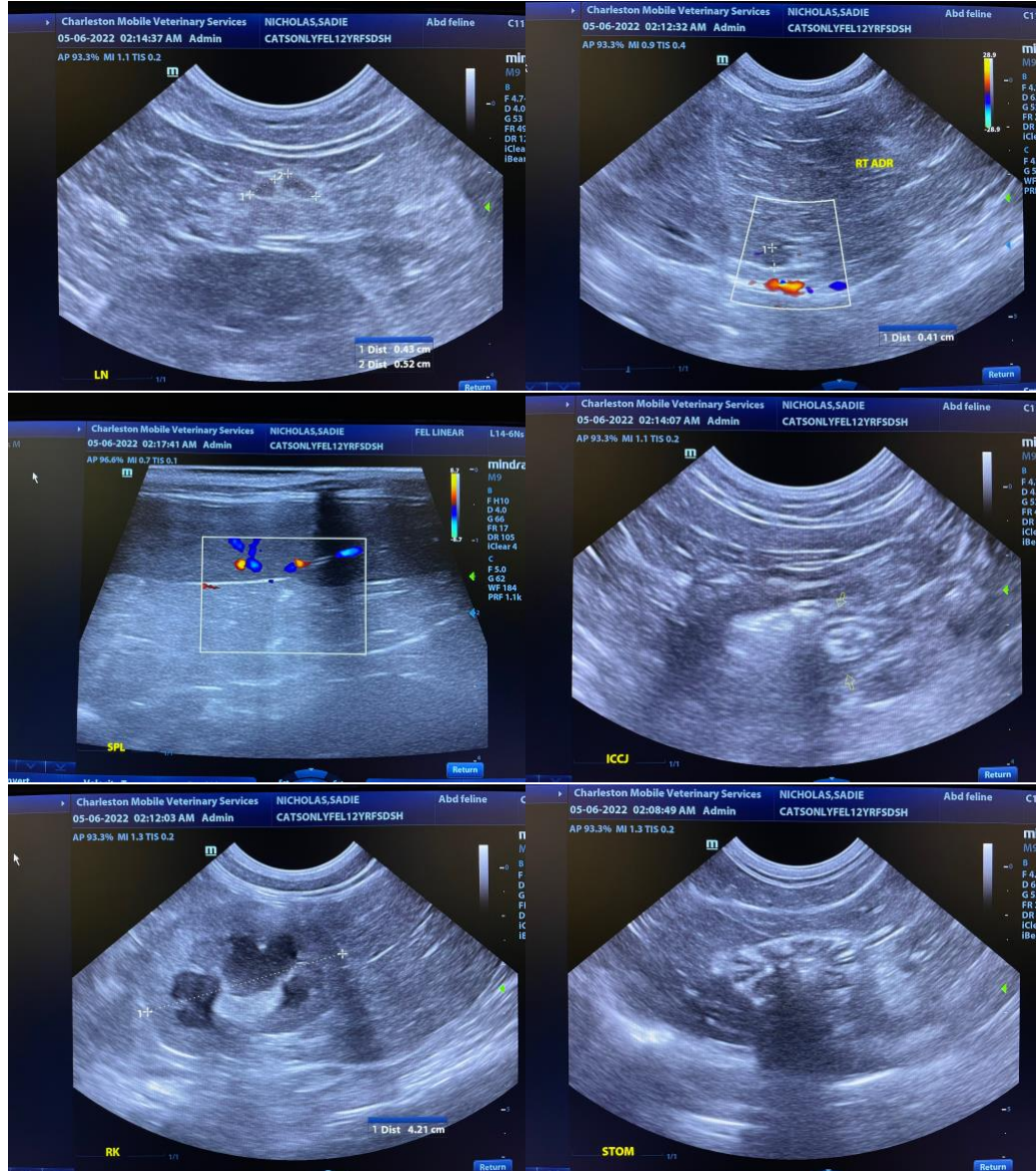
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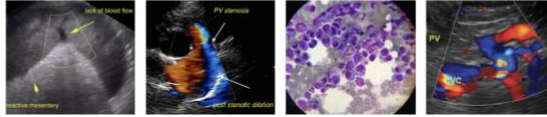
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Andrea Nicastro, DVM, Diplomate DACVIM (Small Animal Internal Medicine)
info@SonoPath.com



PATIENT

Sadie Nicholas

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

12 years

WEIGHT

13.2 lbs

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