



PATIENT

Lulu Murphy

SPECIES

Feline

BREED

Domestic Mediumhair

SEX

Female, spayed

AGE

13 Yrs.

WEIGHT

6.4 lbs.

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

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

HOSPITAL NAME

Saddleback

REFERRING VET

Dr. Klein

INVOICE

13348

DATE

11/18/25

PRESENTING CLINICAL SIGNS

Pt has been having inappropriate urinations. Urinating outside of the box around the house, seems uncomfortable.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder wall is mildly distended with anechoic urine. The wall is diffusely thickened (up to 0.49 cm) and irregular, particularly in the region of the apex. A finger-like projection is arising from the apical wall and extending into the bladder lumen. No cystic calculi are observed. The region of the trigone and the visible portion of the proximal urethra are normal.

The left kidney is normal size (3.30 cm in length); normal shape and architecture with smooth peripheral margins. The cortex is mildly thickened and there is moderate loss of corticomedullary distinction. Mild pyelectasia is present (0.19 cm in the transverse plane). Hyperechoic shadowing diverticular foci are visualized. There is no evidence of infarcts or hydroureter. Renal vasculature is normal.

The right kidney is normal in size (3.46 cm in length); normal shape and architecture with smooth peripheral margins. The cortex is mildly thickened and there is moderate loss of corticomedullary distinction. Trace pyelectasia is present. Hyperechoic shadowing diverticular foci are visualized. There is no evidence of infarcts or hydroureter. Renal vasculature is normal.

Adrenal Glands

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

The right adrenal gland is mildly enlarged (0.52 cm width) with smooth peripheral contours. Glandular echogenicity and detail are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

Spleen

The spleen is normal in size (0.74 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

Liver

The liver is normal to prominent in size with smooth peripheral contours. The parenchyma is isoechoic relative to the spleen. A few hypoechoic nodules are observed throughout the organ, the largest measuring 1.7 x 0.8 cm (left side). Vascular and biliary tracts are of normal volume with no evidence of congestion. The portal vein to caudal vena cava ratio is approximately 1:1.

The gall bladder lumen is moderately distended. The wall is thin and smooth. A scant amount of echogenic debris is observed within the lumen. The cystic and common bile ducts are normal/not seen.

Gastrointestinal

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 is normal in thickness with a normal layering pattern and appropriate mural



PATIENT

Lulu Murphy

SPECIES

Feline

BREED

Domestic Mediumhair

SEX

Female, spayed

AGE

13 Yrs.

WEIGHT

6.4 lbs.

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

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

HOSPITAL NAME

Saddleback

REFERRING VET

Dr. Klein

INVOICE

13348

DATE

11/18/25

detail. Discreet masses are not identified. The ileocecolic junction and colonic wall are normal. There is no evidence of an obstructive pattern.

Pancreas

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.

Lymph nodes

The abdominal lymph nodes are normal/not visible.

Free Abdomen

The peritoneal cavity is normal. There is no evidence of inflammation or effusion.

Other

A brief echocardiogram reveals no obvious evidence of pericardial or pleural effusion in the visible window.

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- The urinary bladder wall changes are most consistent with polypoid cystitis with a lower possibility of emerging neoplasia (i.e., transitional cell carcinoma).
- The bilateral renal changes are most consistent with chronic interstitial nephrosis/nephritis with dystrophic mineralization. The bilateral pyelectasia may be secondary to parenchymal remodeling, pyelonephritis, PU/PD (if applicable) or some combination thereof.
- Hepatic nodules could be consistent with benign foci (i.e., inflammatory lesions) or emerging neoplasia.

Secondary Findings:

- The right adrenomegaly may be secondary to stress hyperplasia or, less likely, emerging neoplasia.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

1. Regarding the urinary bladder wall changes, a urinalysis with a culture and sensitivity are recommended. While awaiting test results, supportive care for cystitis should be considered.
2. Baseline lab work including a CBC chemistry panel and T4 is also recommended (if not already performed).
3. Regarding the hepatic nodules, consider fine needle aspiration (assuming normal clotting status). 25-gauge needles should be used. If tissue sampling is not pursued, consider a recheck ultrasound in 1-2 months to assess for growth of the lesions.



PATIENT

Lulu Murphy

SPECIES

Feline

BREED

Domestic Mediumhair

SEX

Female, spayed

AGE

13 Yrs.

WEIGHT

6.4 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

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

HOSPITAL NAME

Saddleback

REFERRING VET

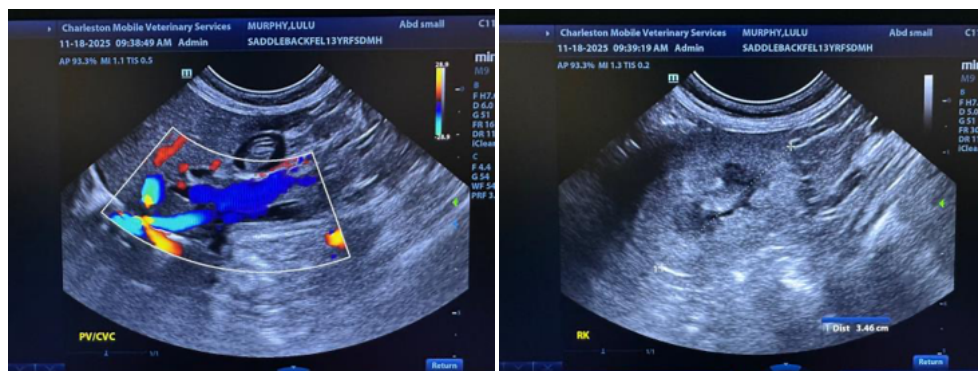
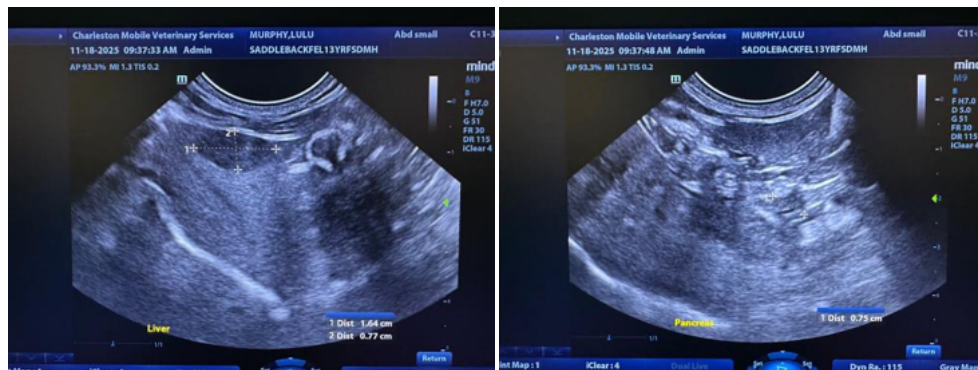
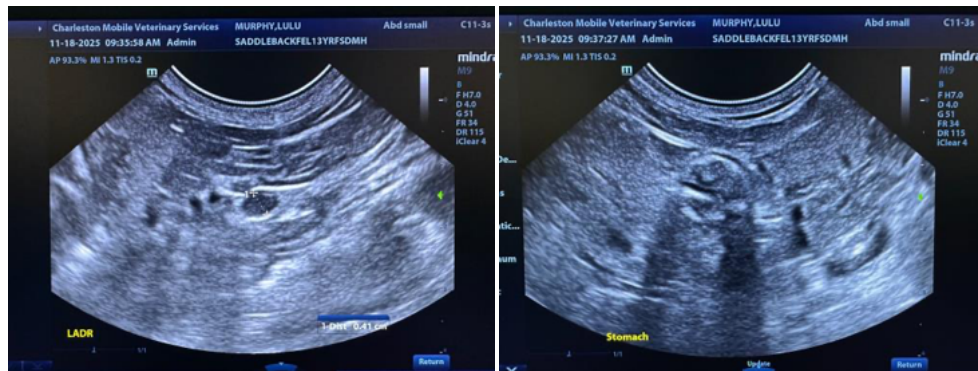
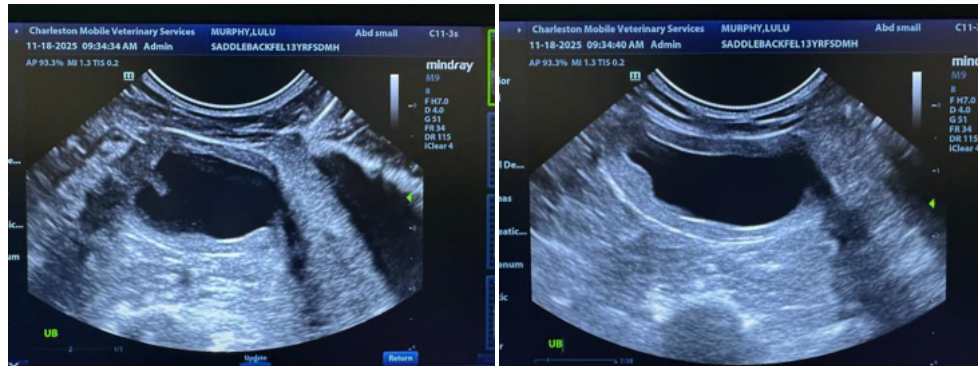
Dr. Klein

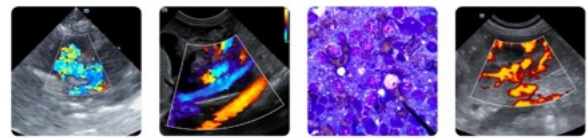
INVOICE

13348

DATE

11/18/25





PATIENT

Lulu Murphy

SPECIES

Feline

BREED

Domestic Mediumhair

SEX

Female, spayed

AGE

13 Yrs.

WEIGHT

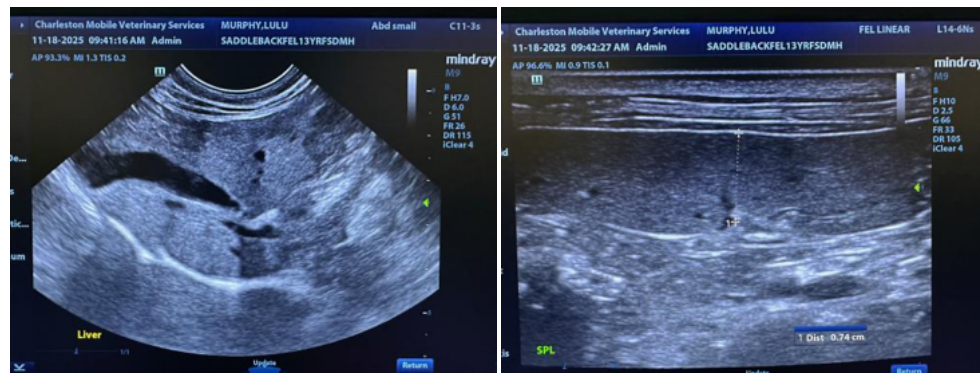
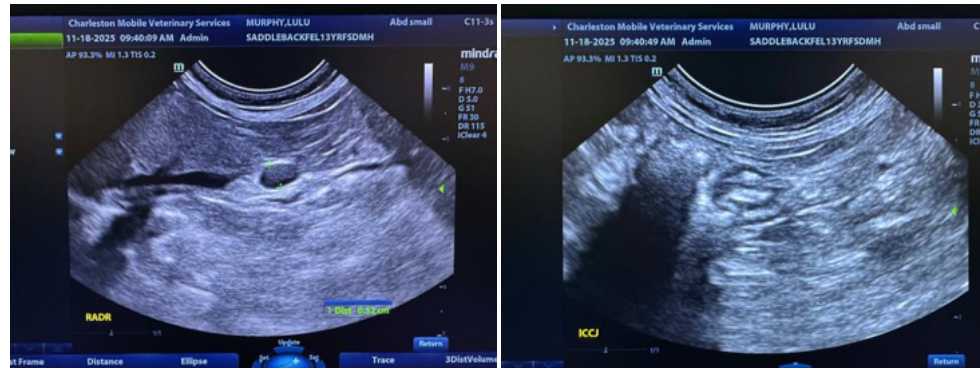
6.4 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

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



HOSPITAL NAME

Saddleback

REFERRING VET

Dr. Klein

INVOICE

13348

DATE

11/18/25

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