



PATIENT

Spook Miller

PRESENTING CLINICAL SIGNS

History: patient was spayed on 4/18/22. After the spay owner saw spook eat a green string. Since last Friday 4/29 patient has been vomiting after eating, no BM.

SPECIES

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Domestic Shorthair

The urinary bladder is not visualized. The ultrasound begins with the aortic trifurcation.

SEX

Spayed Female

Kidneys

The **left** kidney measures 3.33 cm (3.80-4.40 cm). The capsule is smooth. Its overall architecture, including the definition of the cortico-medullary junction, are preserved. There are no signs of nephroliths or pyelectasia. Blood flow appears adequate. The surrounding mesentery is not hyperechoic.

AGE

9 months

The **right** kidney measures 3.40 cm (3.80-4.40 cm). The capsule is smooth. Its overall architecture, including the definition of the cortico-medullary junction, are preserved. There are no signs of nephroliths or pyelectasia. The surrounding mesentery is not hyperechoic.

WEIGHT

7 lbs

Aortic bifurcation/trifurcation

No abnormalities observed.

INTERPRETED BY

Lisa Carioto, DVM,
DVSc, Diplomate
ACVIM

Adrenal Glands

The **left** adrenal gland measures 0.38 cm in diameter. No abnormalities are noted with the gland's overall architecture, echogenicity or echotexture. The phrenico-abdominal vein and surrounding vasculature and mesentery are unremarkable.

IMAGING PERFORMED BY

Nicole Gotfredson

The **right** adrenal gland measures 0.44 cm in diameter. No abnormalities are noted with the gland's overall architecture, echogenicity or echotexture. The phrenico-abdominal vein and surrounding vasculature and mesentery are unremarkable.

HOSPITAL NAME

Buffalo VC

Spleen

REFERRING VET

Dr. Gotfredson

The spleen is within normal limits in size 7.7 mm (normal = 10 mm), echotexture, and echogenicity. The capsule is smooth. No abnormalities are observed with its vasculature, i.e. congestion and thrombi are not identified.

INVOICE

30134

Liver

There are no obvious signs of hepatomegaly and its borders are smooth and sharp. The liver's echotexture is homogeneous and it is within normal limits in echogenicity. No abnormalities are observed with the hepatic vessels visualized.

DATE

5/422



| | |
|--|---|
| PATIENT | The gallbladder wall is mildly thicker at 1.5 mm and hyperechoic than normal. There is no evidence of echogenic material within the GB or edema surrounding it. The portions of the cystic and/or common bile ducts observed are not dilated or tortuous, i.e. there are no signs of an obstruction. However, subjectively, the walls of the cystic duct are hyperechoic compared to normal, which may be associated with inflammation secondary to vomiting. |
| Spook Miller | |
| SPECIES | |
| Feline | |
| BREED | |
| Domestic Shorthair | |
| SEX | |
| Spayed Female | |
| AGE | |
| 9 months | |
| WEIGHT | |
| 7 lbs | |
| INTERPRETED BY | |
| Lisa Carioto, DVM, DVSc, Diplomate ACVIM | |
| IMAGING PERFORMED BY | |
| Nicole Gotfredson | |
| HOSPITAL NAME | |
| Buffalo VC | |
| REFERRING VET | |
| Dr. Gotfredson | |

Gastrointestinal

A very large amount of ingesta, gas and fluid are present within the lumen of the stomach, which is affecting the ability to perform an in depth evaluation. The gastric wall is within normal limits in thickness and the wall layers are well defined. A possible linear foreign body is present in the lumen of the stomach in one view. Plication is not evident. No obvious abnormalities are observed with its peristalsis.

The duodenum is thicker than the normal reference range at 0.29 cm and definition of wall layering is "lost" in a certain segment.

No abnormalities are noted in the remainder of small intestinal wall thickness or the definition of the wall layers, which is preserved. Abnormally dilated loops of bowel are not observed.

The colonic wall is not thickened and mural detail is considered normal.

Pancreas

No overt abnormalities are observed with the echogenicity or echotexture of the left or right limbs. There is no evidence of hyperechogenicity of the surrounding mesentery, i.e., signs of active pancreatitis are not present.

The **body** is larger than usual. It is diffusely and severely hypoechoic, which is suggestive of edema. The surrounding mesenteric fat is hyperechoic, which is consistent with saponification. These findings are highly suggestive of active pancreatitis.

Other

Lymph nodes A mildly plump and enlarged gastric LN is visualized, measuring 5.2 mm in diameter x 6.7 mm in length. It is mildly hypoechoic, but its architecture and echotexture are maintained.

No other abnormalities are observed.

Abdominal effusion is not visualized.

ULTRASONOGRAPHIC FINDINGS

INVOICE

30134

DATE

5/422

- A possible linear foreign body is present in the body of the stomach, however, the large amount of fluid and ingesta is affecting the evaluation. There is no evidence of plication or signs of an obstruction. A gastric lymph node is "plump" and very mildly enlarged.
- The duodenum is thicker than the normal reference range at 0.29 cm and definition of wall layering is "lost" in a certain segment. This may be due to inflammation secondary to Spook's recent vomiting episodes. An obvious obstruction is not evident.



PATIENT

Spook Miller

- The mildly hyperechoic and thicker gallbladder wall, as well as the mildly hyperechoic wall of the cystic duct are suggestive of cholecystitis, which may also be due to Spook’s recent vomiting episodes.

SPECIES

Feline

- The body of the pancreas is heterogeneous, with both anechoic and hypo areas. It is enlarged and irregular, which are suggestive of active pancreatitis.

BREED

Domestic Shorthair

- Although the kidneys are smaller than the normal reference range, architectural abnormalities are not observed.

SEX

Spayed Female

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

A portion of the string may be trapped under Spook’s tongue , therefore an evaluation under her tongue is suggested if it has not already been performed.

AGE

9 months

Medical management is suggested for the moment, for example, intravenous or subcutaneous fluids depending on hydration status, anti-emetics, such as maropitant (Cerenia), analgesics to treat for pancreatitis and cholecystitis (buprenorphine). A re-evaluation of the sonogram is recommended in approximately 12 to 18 hours to determine if the linear foreign body is still present. If yes, further intervention will be indicated. If re-ultrasounding Spook is not an option, baseline radiographs may be performed and re-evaluated in 12 to 18 hours to evaluate the gas pattern.

WEIGHT

7 lbs

INTERPRETED BY

Lisa Carioto, DVM,
DVSc, Diplomate
ACVIM

IMAGING PERFORMED BY

Nicole Gotfredson

HOSPITAL NAME

Buffalo VC

REFERRING VET

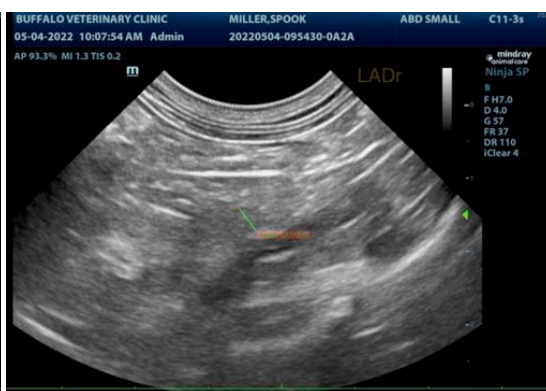
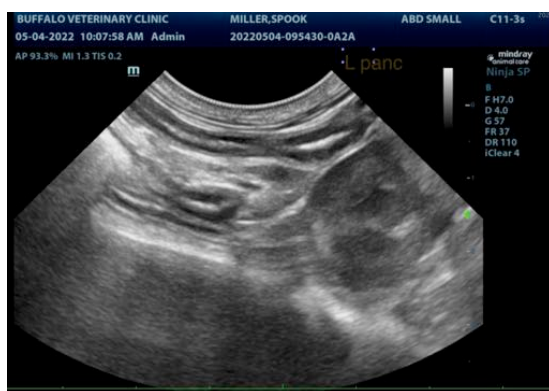
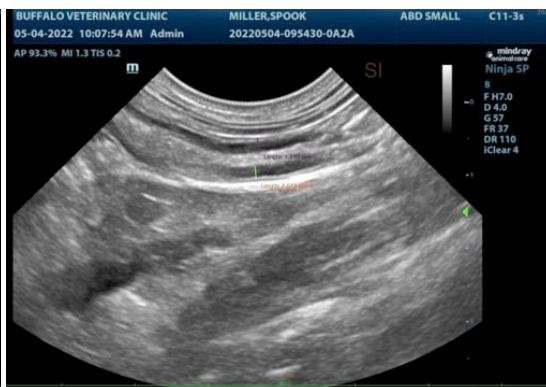
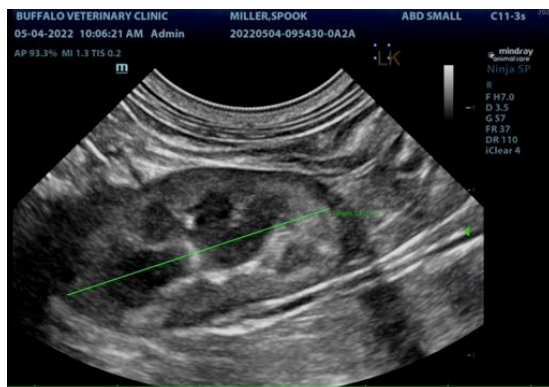
Dr. Gotfredson

INVOICE

30134

DATE

5/422





PATIENT

Spook Miller

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed Female

AGE

9 months

WEIGHT

7 lbs

INTERPRETED BY

Lisa Carioto, DVM,
DVSc, Diplomate
ACVIM

**IMAGING
PERFORMED BY**

Nicole Gotfredson

HOSPITAL NAME

Buffalo VC

REFERRING VET

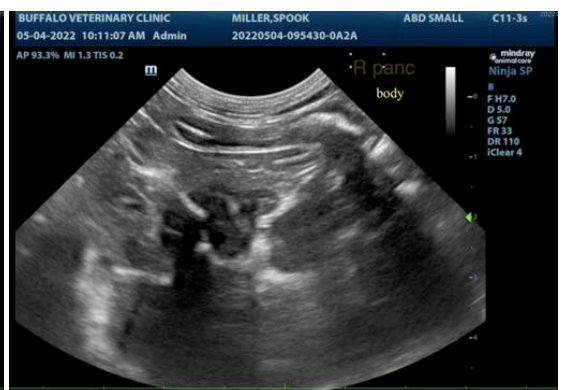
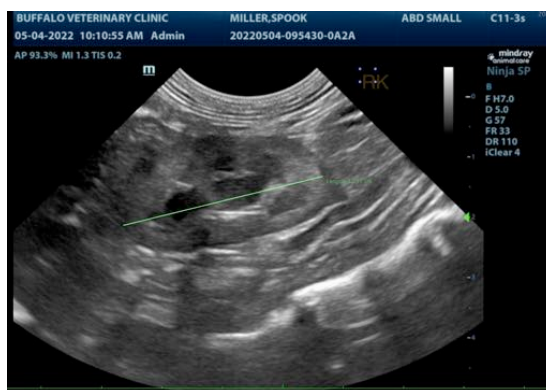
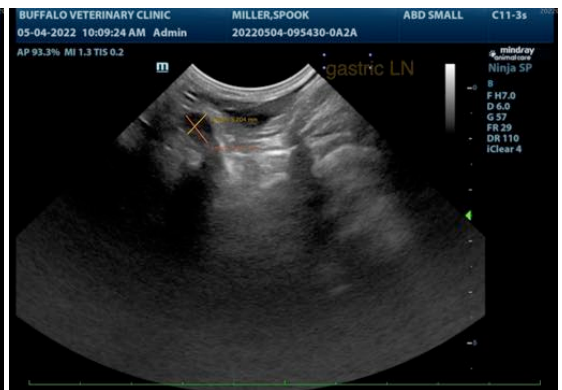
Dr. Gotfredson

INVOICE

30134

DATE

5/4/22





PATIENT

Spook Miller

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed Female

AGE

9 months

WEIGHT

7 lbs

INTERPRETED BY

Lisa Carioto, DVM,
DVSc, Diplomate
ACVIM

**IMAGING
PERFORMED BY**

Nicole Gotfredson

HOSPITAL NAME

Buffalo VC

REFERRING VET

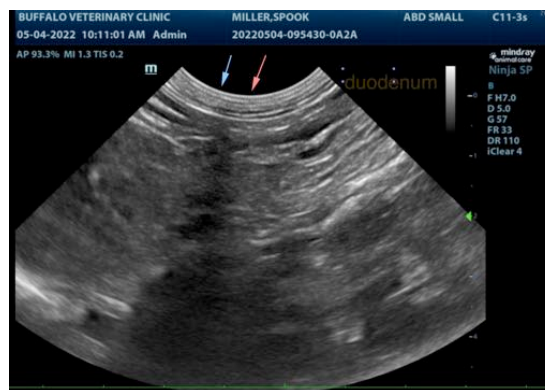
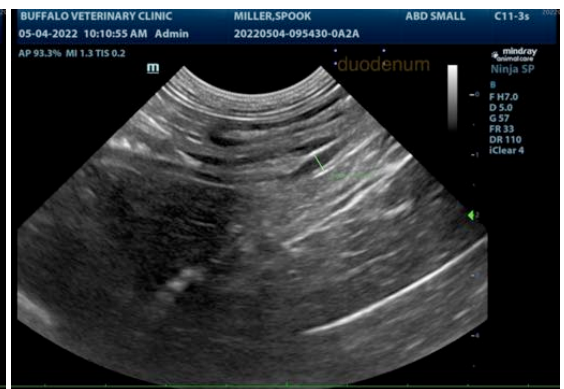
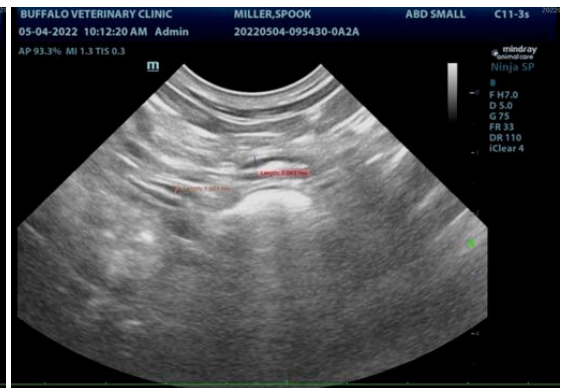
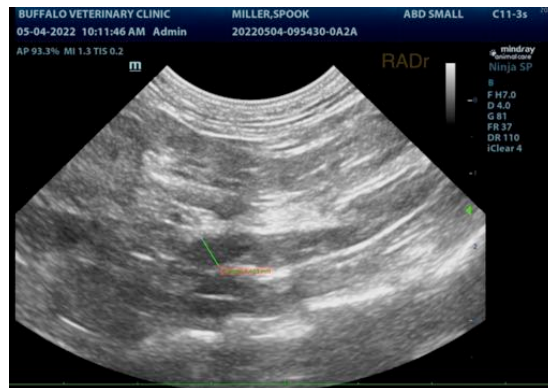
Dr. Gotfredson

INVOICE

30134

DATE

5/422

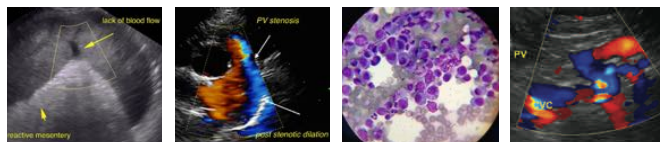


The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Lisa Carioto, DVM, DVSc, Diplomate ACVIM

Lisa.Carioto@sonopath.com



PATIENT

Spook Miller

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed Female

AGE

9 months

WEIGHT

7 lbs

INTERPRETED BY

Lisa Carioto, DVM,
DVSc, Diplomate
ACVIM

**IMAGING
PERFORMED BY**

Nicole Gotfredson

HOSPITAL NAME

Buffalo VC

REFERRING VET

Dr. Gotfredson

INVOICE

30134

DATE

5/422