



PATIENT	PRESENTING CLINICAL SIGNS
Midnight Ramundo	History: Patient presents for abdominal ultrasound due to suspicion of abdominal mass.
SPECIES	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Feline	Urinary System
BREED	The urinary bladder is adequately filled. The wall is smooth and regular. No abnormalities are present with the trigone or proximal urethra, and there is no evidence of sediment, cystoliths or a mass. Soft tissue projections from the mucosa are observed throughout the entire bladder. One example measured 2.8 mm in diameter x 5.1 mm in length. A polypoid cystitis cannot be excluded.
Domestic Shorthair	
SEX	The left kidney measures 5.63 cm and is severely enlarged. A marked loss of the normal architecture is present, including a bossilated capsule. Mineralizations are present, without signs of nephroliths. The pelvis measures 1.1 mm (within normal limits). Well-defined hypoechoic nodules are distributed haphazardly throughout the cortex; one measures 9.6 mm in diameter, 8.8 mm in length. The surrounding mesentery is mildly hyperechoic.
Neutered male	
AGE	The right kidney measures 5.60 cm (marked renomegaly). The capsule is severely bossilated. Severe loss of the normal architecture is observed in addition to well-circumscribed, hypoechoic nodules within the cortex, similarly to the left kidney. Mineralizations are also observed. The pelvis measures 1.03 mm (within normal limits). The surrounding mesentery is mildly hyperechoic.
8 years	
WEIGHT	Adrenal Glands
13 lbs	The adrenal glands are not visualized.
INTERPRETED BY	
Lisa Carioto, DVM, DVSc, Diplomate ACVIM	Spleen
IMAGING PERFORMED BY	The spleen is within normal limits in size, architecture, echotexture, and echogenicity. The capsule is smooth. No abnormalities are observed with its vasculature, i.e. congestion and thrombi are not identified.
Kelly Vazquez , CVT	
HOSPITAL NAME	Liver
North Haledon VC	There are no obvious signs of hepatomegaly. Its borders are smooth and mildly rounded. The liver is markedly heterogenous with ill-defined anechoic regions, suggestive of cysts, surrounded by hyperechoic regions. They have an appearance similar to "target lesions" other than the fact that their centers are anechoic. Other cystic areas that have a disorganized distribution are also observed. Ill-defined, hyperechoic patches and nodules are also noted diffusely throughout the parenchyma. No abnormalities are observed with the hepatic vessels.
REFERRING VET	
Dr. Goldstein	
INVOICE	A moderate amount of echogenic material is visualized within the gallbladder. Although this may be clinically insignificant, one cannot exclude a cholecystitis, despite the absence of sonographic signs. The biliary system is otherwise within normal limits.
98013	
DATE	Gastrointestinal
3/29/22	



PATIENT	Gas is present within the stomach. An in-depth evaluation of the stomach is not possible, however, no obvious abnormalities are observed.
Midnight Ramundo	
SPECIES	The duodenum is thickened including both the mucosa and muscularis. A solid, well circumscribed, homogeneous, avascular, mass effect, measuring 0.81 cm ² , appears to be originating from the muscularis from the duodenum. The remainder of the small intestines are also thickened with fogging and a thickened mucosa, as well as a muscularis that is thicker than what is considered normal.
Feline	
BREED	The colonic wall is not thickened and mural detail is considered normal. There are no obvious signs of a foreign body or an obstruction.
Domestic Shorthair	
SEX	Pancreas No overt abnormalities are observed.
Neutered male	
AGE	Other: Multiple, hypoechoic, enlarged lymph nodes are observed throughout the abdomen. They are variable in size. Many of them are concentrated around both kidneys, the spleen and duodenum, but are also extend to the iliac trifurcation.
8 years	
WEIGHT	Abdominal effusion is not visualized.
13 lbs	
INTERPRETED BY	ULTRASONOGRAPHIC FINDINGS
Lisa Carioto, DVM, DVSc, Diplomate ACVIM	<ul style="list-style-type: none"> Neoplasia affecting multiple organs is suspected. It is difficult to determine which is the primary organ, for example, the hepatic abnormalities are suggestive of cystic adenocarcinoma, while the renal changes may be due to either adenocarcinoma or lymphoma. Although not common, the presence of two different forms of neoplasia is possible. One must also consider a fungal or other infectious disease depending on Midnight's history with regards to where he was adopted from, travel history, hunter, etc. The urinary bladder may be due to a polypoid cystitis, despite the absence of inflammatory changes to the wall; however, neoplasia cannot be excluded, nor can a parasitic infection, such as <i>Capillaria</i>.
IMAGING PERFORMED BY	
Kelly Vazquez, CVT	
HOSPITAL NAME	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
North Haledon VC	FNA of the lymph nodes are pending.
REFERRING VET	Three view thoracic radiographs are recommended to determine if sternal lymphadenomegaly and pulmonary lesions are present.
Dr. Goldstein	
INVOICE	Further recommendations can be made pending the results of the FNA.
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PATIENT

Midnight Ramundo

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

8 years

WEIGHT

13 lbs

INTERPRETED BY

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DVSc, Diplomate
ACVIM

**IMAGING
PERFORMED BY**

Kelly Vazquez, CVT

HOSPITAL NAME

North Haledon VC

REFERRING VET

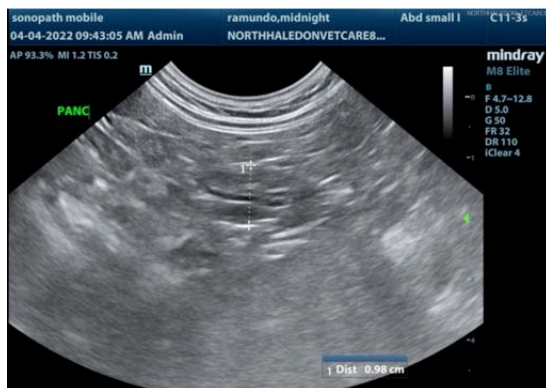
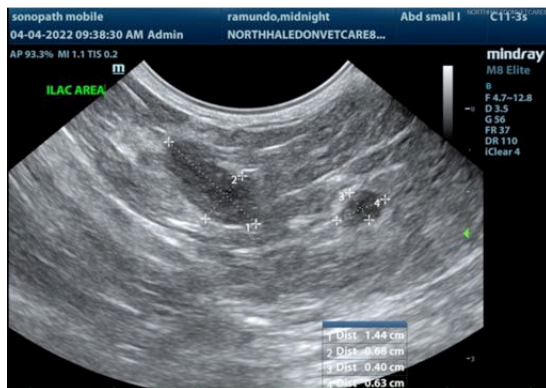
Dr. Goldstein

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HOSPITAL NAME

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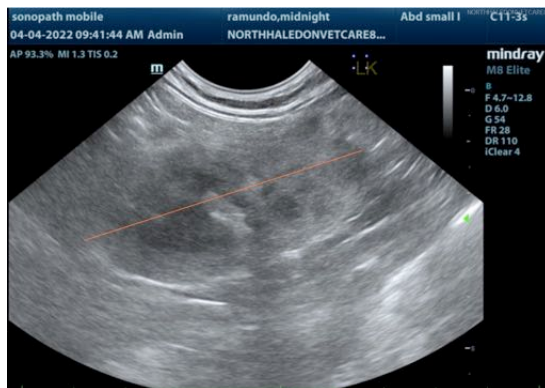
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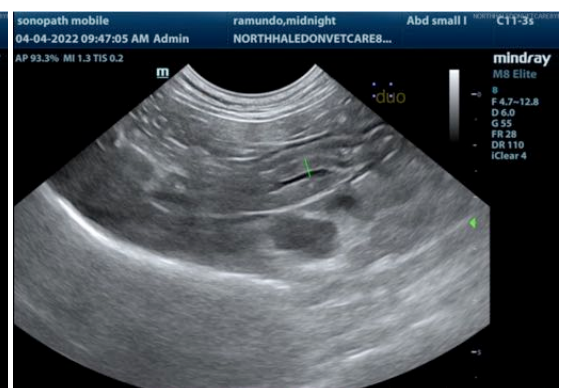
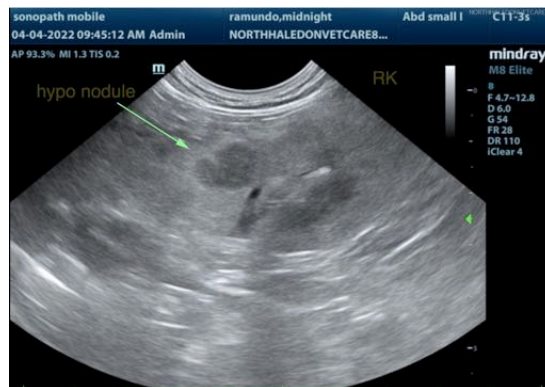
Dr. Goldstein

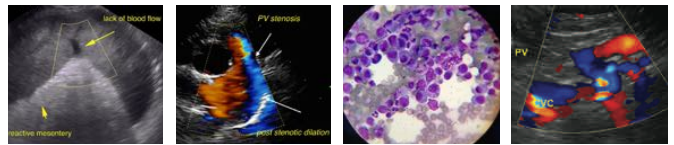
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Domestic Shorthair

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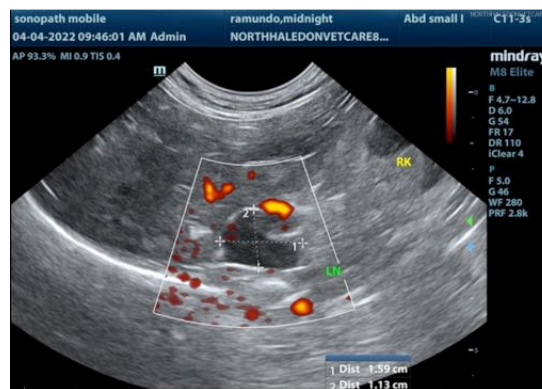
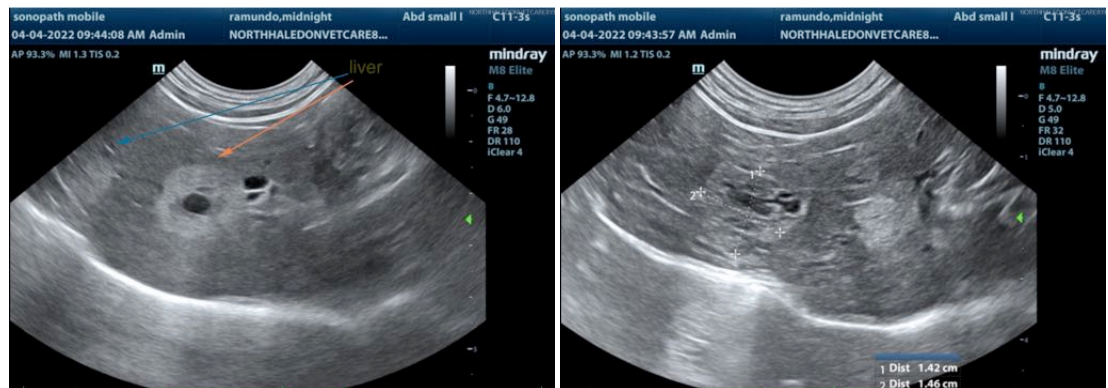
Neutered male

AGE

8 years

WEIGHT

13 lbs



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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.

Lisa Carioto, DVM, DVSc, Diplomate ACVIM

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