



PATIENT	PRESENTING CLINICAL SIGNS
Xenica Noto	Dog presented GI signs of vomiting/diarrhea. May have gotten into something(?) Bloodwork was NSF. Radiographs - NSF. Ultrasound done for further diagnostics
SPECIES	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Canine	Urinary System
BREED	Urinary bladder is only mildly distended (empty). Visible contents are anechoic. Urinary bladder wall is unable to be fully assessed for pathology without further distension. No visible masses or cystoliths are observed. The trigone and visible pelvic urethra are normal thickness with a smooth mucosal surface. If there are urinary signs and/or concern for urinary bladder pathology, reassessment after complete filling is recommended.
English Cocker Spaniel	
SEX	The right kidney is normal in size (4.1 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.
Spayed Female	
AGE	The left kidney is normal in size (4.4 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.
2 Years 9 Months	
WEIGHT	Adrenal Glands
23.1 Pounds	The right adrenal gland is normal in size (1.86 cm long x 0.69 cm at the cranial pole and 0.39 cm at the caudal pole), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.
INTERPRETED BY	The left adrenal gland is is visibly normal and appears to be of normal size, but exact measurements cannot be provided. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.
Beth Johnson, DVM DACVIM	
IMAGING PERFORMED BY	Spleen
Dr. Leal	The spleen is subjectively normal in size with a normal smooth capsular contour. Parenchyma is appropriately finely textured and homogenous with normal echogenicity relative to surrounding tissue (hyperechoic to liver). No focal nodules or masses are observed. Splenic vasculature appears normal.
HOSPITAL NAME	Liver
Blairstown AH	The liver is subjectively normal in size with normal smooth curvilinear peripheral contour. Parenchyma is appropriately hypoechoic to the spleen in echogenicity and appropriately mildly coarse and homogenous in echotexture. No focal lesions are observed. Visible vasculature and biliary tree appear normal without distension or congestion.
REFERRING VET	
Dr. Lovell	The gallbladder is non-distended in size. The wall is smooth without visible thickening. Luminal contents are primarily anechoic. There is no evidence of cystic or common bile duct dilation.
INVOICE	Gastrointestinal
41298	Fundic mucosal hypertrophy with hyperechoic mucosa and some mucosal remodeling is noted. There is no loss of mural detail. Layering is normal. There is mild luminal fluid accumulation. No evidence of masses/nodules or foreign material present.
DATE	
9/13/22	The visible small intestines are normal in wall thickness and layering (canine duodenum < 0.5 cm and feline duodenum < 0.4 cm; other < 0.3 cm). Small intestinal motility appears adequate (1-3 contractions



PATIENT

Xenica Noto

per min). The lumen of the small intestine is empty with no evidence of obstruction, foreign material or infiltrative disease. However, in the mid cranial abdomen, there is a focal loop of small bowel that is dilated with fluid and shows some mild corrugation. No foreign material is evident, but the dilated bowel loop is not visualized where it attaches to normal bowel, so the cause of the dilation cannot be determined.

SPECIES

Canine

The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.

BREED

English Cocker Spaniel

Pancreas

The pancreatic parenchyma is appropriately isoechoic to surrounding tissue. Visible capsule is smooth and normal in contour. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.

SEX

Spayed Female

Free Abdomen

There is no evidence of free peritoneal effusion noted in these images.

AGE

2 Years 9 Months

There is no apparent lymphadenopathy noted in these images.

ULTRASONOGRAPHIC FINDINGS

WEIGHT

23.1 Pounds

- **Gastritis** – Consistent with irritation secondary to dietary indiscretion or intolerance, infection (bacterial, viral, other), parasitic or protozoal disease, toxin, other metabolic disease such as pancreatitis, other. Microulceration cannot be ruled out.
- A focally dilated loop of small bowel with remainder of the small bowel being normal is a characteristic obstructive pattern and concerning for at least a partial obstruction. However, the dilated bowel cannot be attached visually to normal bowel in these images, and foreign material is not directly visualized, so an obstruction cannot be definitively diagnosed. Other differentials include irritation secondary to dietary indiscretion or intolerance, bacterial or viral infection, parasitic or protozoal disease, etc.

INTERPRETED BY

Beth Johnson, DVM
DACVIM

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING PERFORMED BY

Dr. Leal

This patient could be managed conservatively, which involves supportive/symptomatic medical management of the gastrointestinal signs with continued fasting and recheck abdominal imaging, being sure to trace the dilated bowel loop until it joins normal bowel, again in 24 hours, or manage aggressively with a surgical exploratory laparotomy for further evaluation of possible foreign material/obstruction.

HOSPITAL NAME

Blairstown AH

Based on the mild change in these images, if patient is comfortable/non-painful, and vomiting is able to be managed, etc., then the conservative medical approach followed by recheck imaging is reasonable. However, if abdominal pain is noted or vomiting cannot be controlled and/or clinical signs progress, etc., surgery should be pursued sooner rather than later.

REFERRING VET

Dr. Lovell

INVOICE

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SPECIES

Canine

BREED

English Cocker Spaniel

SEX

Spayed Female

AGE

2 Years 9 Months

WEIGHT

23.1 Pounds

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IMAGING PERFORMED BY

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HOSPITAL NAME

Blairstown AH

REFERRING VET

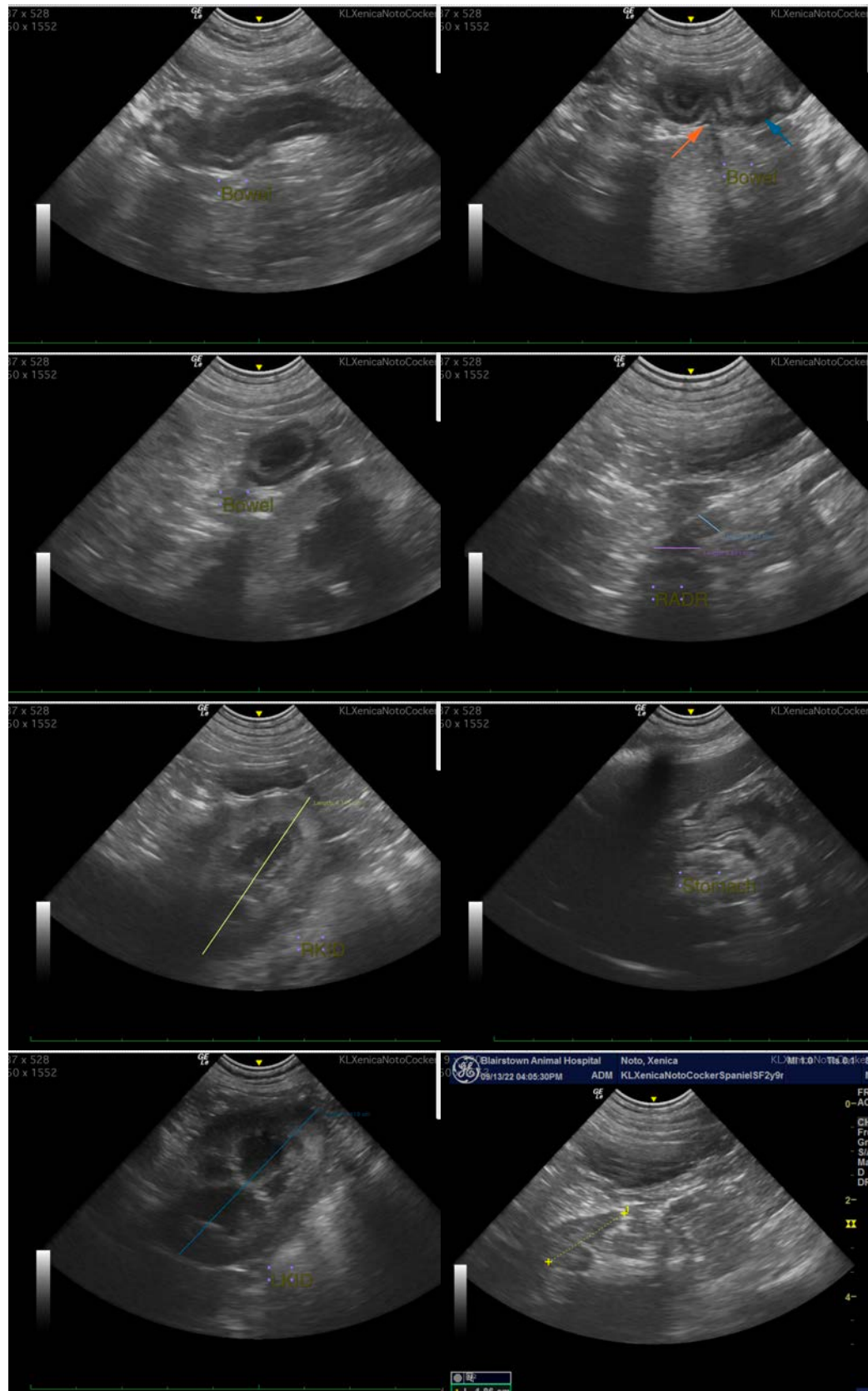
Dr. Lovell

INVOICE

41298

DATE

9/13/22



Blairstown Animal Hospital | Noto, Xenica
ADM | KLXenicaNotoCockerSpanielSF2y9r
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CH Fra Gn - SIA Min D DR
2- II
4-

1 L 1.08 cm



PATIENT

Xenica Noto

SPECIES

Canine

BREED

English Cocker Spaniel

SEX

Spayed Female

AGE

2 Years 9 Months

WEIGHT

23.1 Pounds

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**IMAGING
PERFORMED BY**

Dr. Leal

HOSPITAL NAME

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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.

Beth Johnson, DVM, DACVIM
Beth.Johnson@sonopath.com