



PATIENT PRESENTING CLINICAL SIGNS

Nala Busa
SPECIES History: Chronic enteropathy – vomiting and diarrhea with poor response to dietary change, cortisone, probiotics. Some response to ondansetron. Generally, does not tolerate oral medication. Concurrent chronic kidney disease and pancreatitis. Recently showing weight loss and persistent vomiting.
 Feline
BREED Physical Examination: Weight loss, heart murmur.
 DSH Previous Urinalysis: SG 1.021, negative protein.
SEX Fecal Analysis: Negative.
 FS Previous CBC: Monocytosis, eosinophilia.
AGE Previous Serum Biochemistry: Azotemia, top normal fPL, abnormal Snap BNP.
 16 years Radiographic Findings: N/A.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

WEIGHT

5.69 #

Urinary System

Full urinary bladder with a normal thickness and appearance the wall. Normal anechoic urine with no sediment or uroliths evident.

Normal trigone area, proximal urethra, and iliac blood vessels.

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size (both 4.6 cm) with increased echogenic appearance, some loss cortico-medullary differentiation, and normal pelvis and capsule.

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Reproductive System

N/A.

Adrenal Glands

Normal shape, echogenic appearance, size, and position.

Spleen

Normal size and echogenic appearance. Smooth homogenous parenchyma, smooth curvi-linear capsule, normal vasculature and blood flow. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

Liver

Normal size, echogenic appearance, portal markings, and smooth curvilinear capsule. No nodules or masses evident. Full gall bladder containing normal anechoic bile. Thickened and hyperechogenic appearance of the gall bladder wall. Dilated and tortuous bile duct with no obvious obstruction evident.

IMAGING PERFORMED BY

Dr Danielle Kitz

HOSPITAL NAME

Woodlands Animal Hospital

REFERRING VET

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PATIENT *Gastrointestinal*

Nala Busa Normal appearance of the stomach and colon with normal wall layering. Ingesta-filled duodenum and small intestine with a prominent hypoechoogenic appearance of the submucosal layer but with no loss of layering. Prominent hypoechoogenic appearance of the submucosal layer of the ileo-cecal junction but with no loss of layering. Overall poor peristaltic activity of the duodenum and small intestine.

SPECIES

Feline

BREED *Pancreas*

DSH

Normal size with a diffuse mottle echogenic appearance and irregular capsule. Hyperechogenic appearance of the mesentery and fat surrounding the pancreas.

SEX *Free Abdomen*

FS

Mesenteric lymphadenomegaly with normal shape and echogenic appearance.

AGE

No ascites.

16 years

ULTRASONOGRAPHIC FINDINGS

WEIGHT

5.69 #

Primary Findings:

- Enteropathy.
- Mesenteric lymphadenomegaly.
- Renal disease.
- Pancreatitis.

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Secondary Findings:

- Previous cholecystitis.
- Dilated bile duct.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Etiologies for the enteropathy would be inflammatory bowel disease, dietary hypersensitivity, and emerging lymphoma, with parasitic enteritis a differential diagnosis that has been ruled out. Although the reduced peristaltic activity may be secondary to the enteropathy, intestinal hypomotility needs to be considered.

The most likely etiology for the mesenteric lymph nodes would be reactive with lymphadenitis and infiltrative neoplasia differential diagnosis.

The appearance of the kidneys would be consistent with chronic kidney disease and of the pancreas, with chronic pancreatitis.

The gall bladder can be considered an incidental finding and the dilated bile duct as an age-related change.

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Further assessment would be cobalamin assay, FNA cytology of the mesenteric lymph nodes, and ideally endoscopy of the upper GI tract with biopsies.

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Specific therapy would be dependent on an etiological diagnosis. Symptomatic management would be feeding an exclusive hypoallergenic diet, cobalamin supplementation, transdermal prednisolone, and metoclopramide; the latter for both the vomiting and intestinal hypomotility.



PATIENT

Nala Busa

SPECIES

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BREED

DSH

SEX

FS

AGE

16 years

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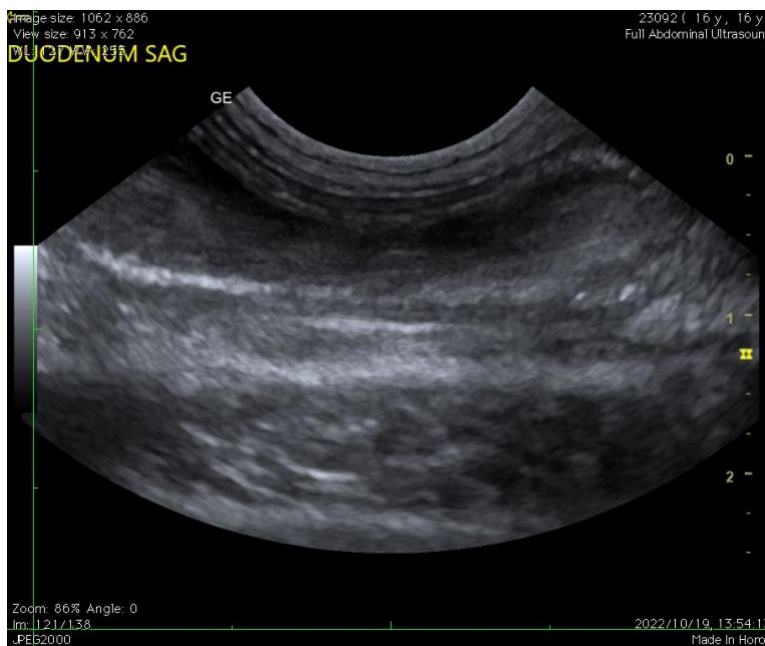
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IMAGES

Duodenum



Small intestine





PATIENT

Nala Busa

SPECIES

Feline

BREED

DSH

SEX

FS

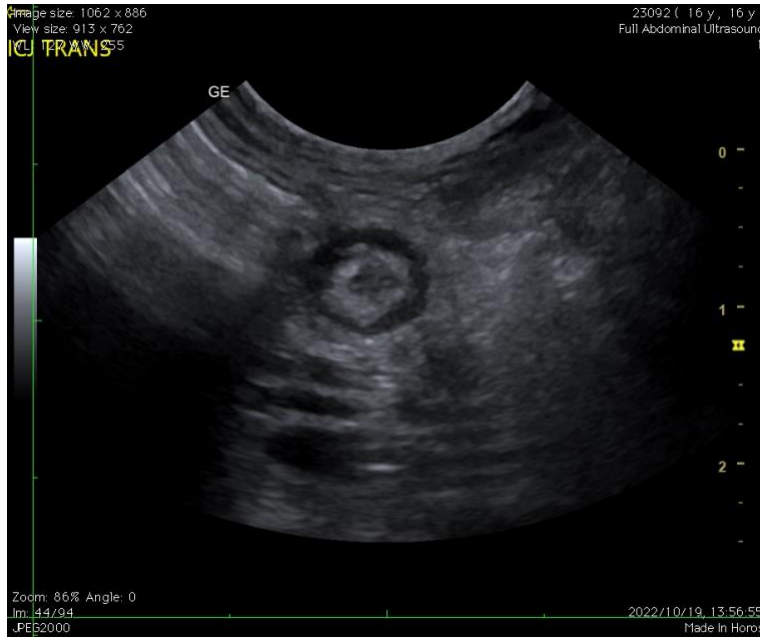
AGE

16 years

WEIGHT

5.69 #

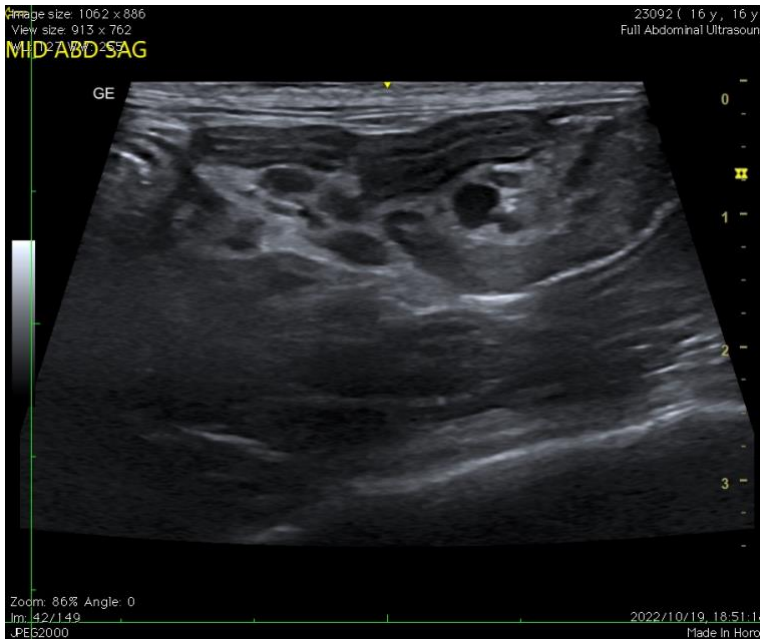
Ileo-cecal junction



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Mesenteric lymph nodes



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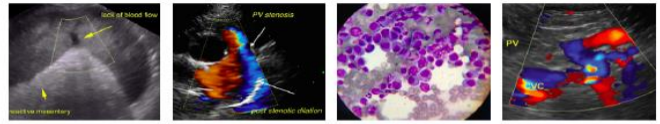
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PATIENT

Pancreas

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SPECIES

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BREED

DSH

SEX

FS

AGE

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Gall bladder

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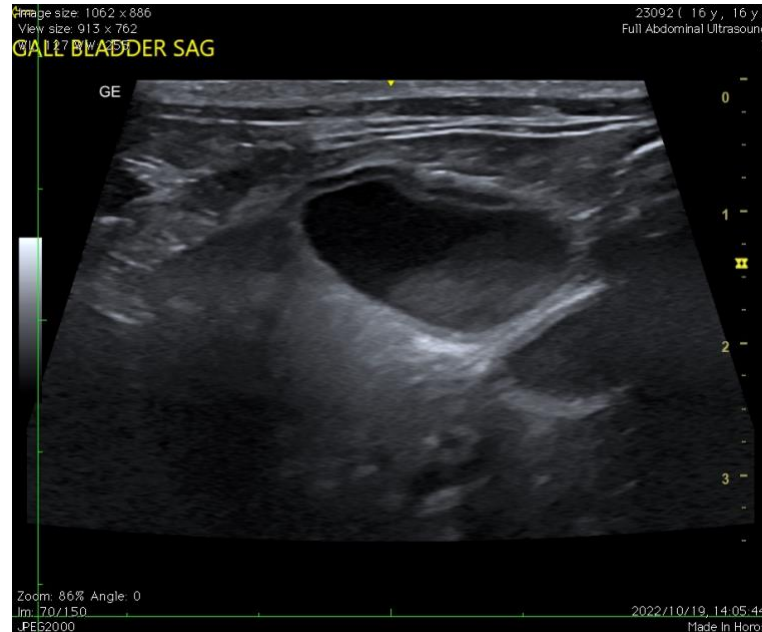
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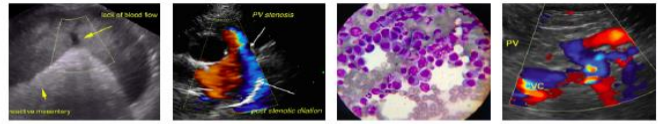


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PATIENT

Bile duct

Nala Busa

SPECIES

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BREED

DSH

SEX

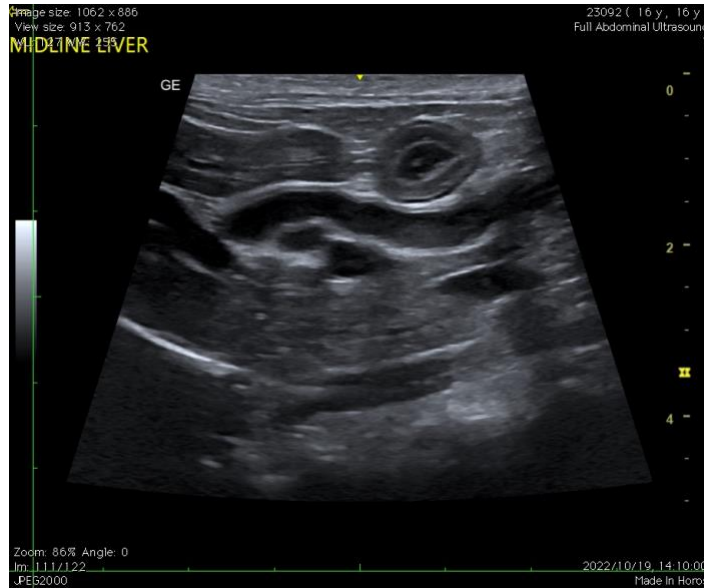
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AGE

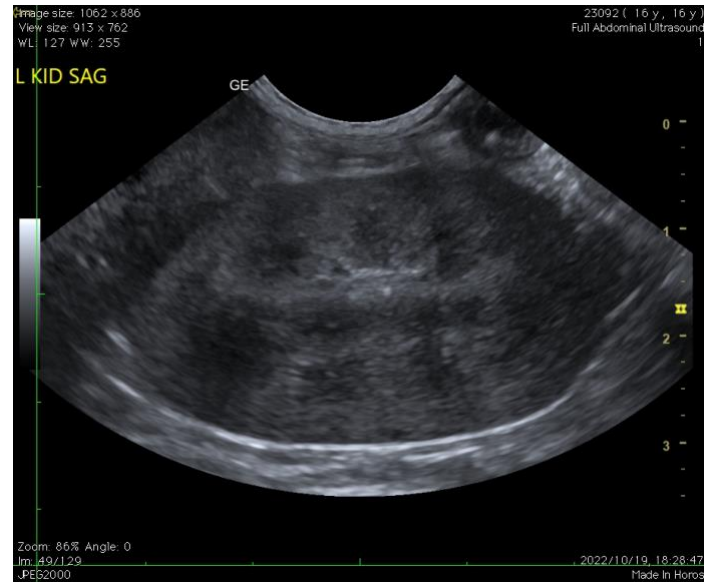
16 years

WEIGHT

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Left kidney



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

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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.

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