



PATIENT	PRESENTING CLINICAL SIGNS
Lena Craven	Lena presented January 5th with a 2 week history of lethargy, urinary incontinence, polydipsia, bloated abdomen. Lena has had intermittent vomiting for 3-4 months. Bloodwork revealed mild monocytosis, mildly elevated ALT, ALKP, cholesterol, and elevated urea. Urinalysis was unremarkable, specific gravity 1.040. Low dose dexamethasone suppression test was performed Jan 10th which was not supportive of Cushing's.
SPECIES	
Canine	Abnormal PE/Chem/CBC/UA Results: PE: Mild abdominal distension cranial abdomen. Mildly thinning fur over dorsum. Noted Lena to be drooling (owner reports this is abnormal for her). Bloodwork revealed mild monocytosis, mildly elevated ALT, ALKP, cholesterol, and elevated urea. Urinalysis was unremarkable, specific gravity 1.040. Low dose dexamethasone suppression test was performed Jan 10th which was not supportive of Cushing's.
BREED	
Yorkie Maltese Cross	
SEX	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Spayed Female	Urinary System
AGE	The urinary bladder , trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.
11 years	
WEIGHT	
4.7 kg	The kidneys revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Mineralization was noted in the kidneys. Calculi were non-obstructive. The left and right kidney measured 4.0 cm.
INTERPRETED BY	
Eric Lindquist, DMV DABVP, Cert. IVUSS	
IMAGING PERFORMED BY	Adrenal Glands
Celine Ward	The left adrenal gland was mildly heterogenous and measured 0.5 cm in width with relatively normal contour. The right adrenal gland measured 0.6 cm at the cranial pole and 0.5 cm at the caudal pole.
HOSPITAL NAME	Spleen
Kenora VC	The spleen in this patient was mildly enlarged with uniform parenchyma and was folded upon itself cranially. This is a positional variant and is not pathological. There was no evidence of significant disease.
REFERRING VET	Liver
Dr. Ward	Exam of the cranial abdomen demonstrated excessive liver size and swollen contour. Mild, coarse architecture was noted with increased portal markings and minor parenchymal remodeling is suggestive of an inflammatory component. Minor excessive GB debris was noted with the presence gall bladder dilation and precipitate without the overt formation of mucocele but this may be an issue in the future. This type of liver presentation typically is associated with slow and gradual SAP elevations with low-grade ALT rise. USG-FNA sampling is encouraged if more aggressive LE profiles are present such as ALT
INVOICE	
95415	
DATE	
1/19/22	



PATIENT

Lena Craven

> 200 or rapid rise in SAP. These presentations are usually reactive hepatopathies owing to other disease processes either endocrine (Diabetes, Hypothyroidism, Cushing's disease), "antigen surveillance" from the gut/pancreas, or idiopathic breed predisposed progressions.

SPECIES

Canine

Gastrointestinal

The **pylorus** was mildly thickened in this patient with echogenic mucosal remodeling. There was no evidence of neoplasia or foreign bodies. The colon in this patient was mildly thickened.

BREED

Yorkie Maltese Cross

Pancreas

SEX

Spayed Female

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxiphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

AGE

11 years

ULTRASONOGRAPHIC FINDINGS

WEIGHT

4.7 kg

Geriatric abdomen.

Mild pyloric remodeling. History of colitis is likely.

Benign hepatopathy with mild remodeling.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Pancreatic remodeling.

IMAGING PERFORMED BY

Celine Ward

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given the patient's history passage of small calculi may be occurring periodically in this patient from the kidneys. FNA of the liver can be considered for further definition of inflammatory cell type. There was no evidence of neoplasia. The bloating of the abdomen is likely from a combination of folded spleen along with the subjectively benign mildly remodeled generalized hepatomegaly.

HOSPITAL NAME

Kenora VC

REFERRING VET

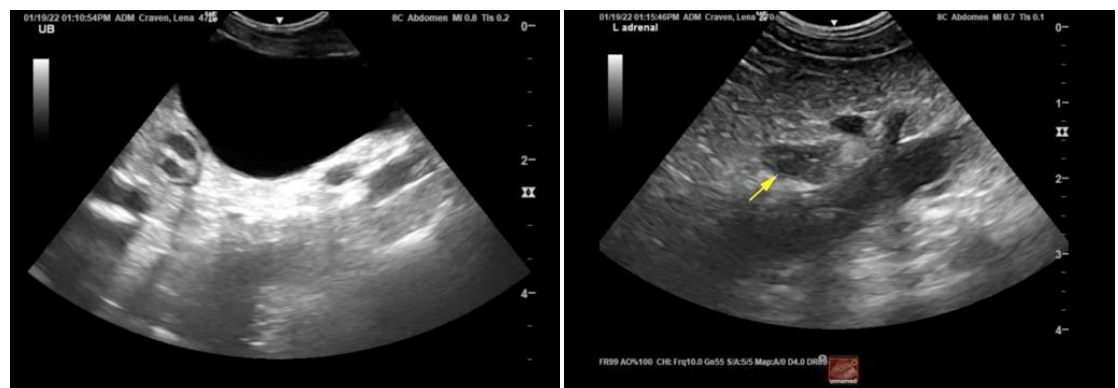
Dr. Ward

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Lena Craven

SPECIES

Canine

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Yorkie Maltese Cross

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Spayed Female

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REFERRING VET

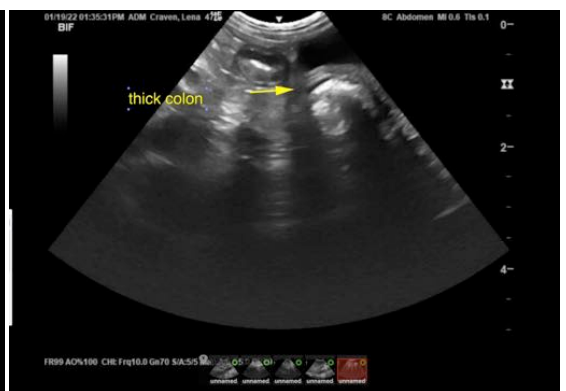
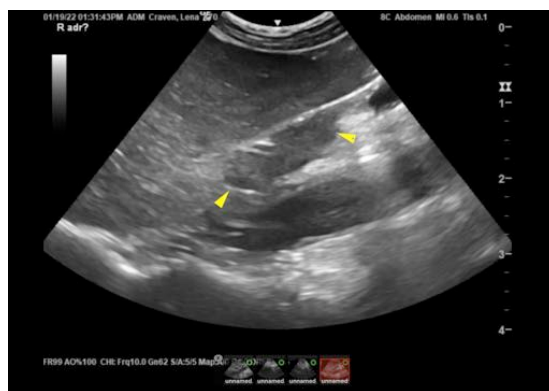
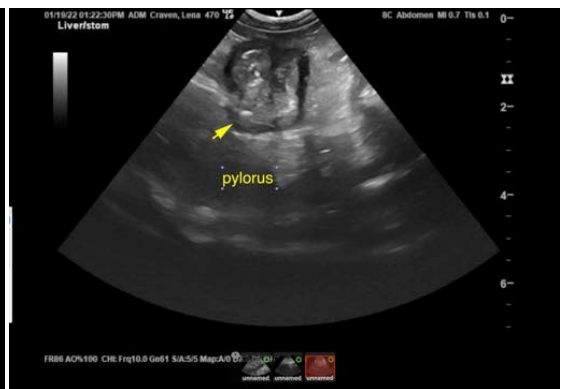
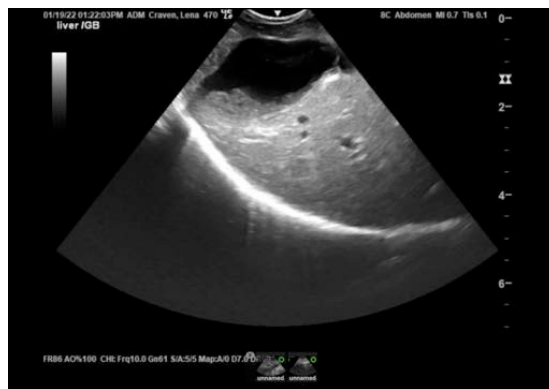
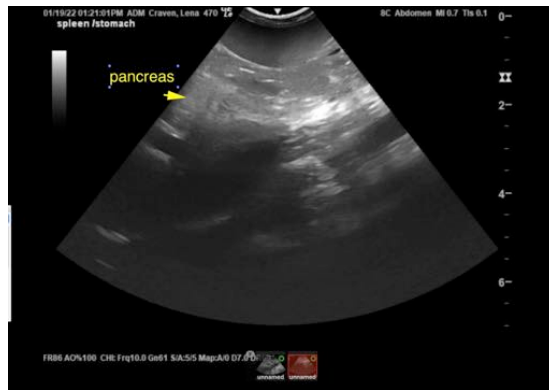
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PATIENT

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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.

SPECIES

Canine

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.

BREED

Yorkie Maltese Cross

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com

SEX

Spayed Female

AGE

11 years

WEIGHT

4.7 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Celine Ward

HOSPITAL NAME

Kenora VC

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