



PATIENT	PRESENTING CLINICAL SIGNS
Christmas Rose Conley	History: mucoid hemorrhagic diarrhea, hyporexia, vomiting x 2 days Hospitalized for gastroenteritis/pancreatitis Treated for IMTP in December 2022, Platelet count currently normal (160,000) Cushing's previously suspected Afebrile
SPECIES	
Canine	Abnormal PE/Chem/CBC/UA Results: Elevated amylase/lipase Mild elevation ALP - 309 CBC unremarkable - mild lymphopenia
BREED	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Poodle X	Urinary System
SEX	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 were noted. Ureteral papillae were normal.
Spayed Female	
AGE	The kidneys revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some moderate 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 his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Mineralization was present in the kidneys, nonobstructive. The right kidney measured 4.02 cm. The left kidney measured 3.82 cm. Slight cortical cyst was noted. Calculi were noted in both kidneys.
15 Years	
WEIGHT	
12 Pounds	
INTERPRETED BY	Adrenal Glands
Eric Lindquist, DMV DABVP, Cert. IVUSS	The adrenal glands appeared slightly enlarged and swollen. No evidence of focal capsular expansion or invasion into the phrenic veins were noted. No overt suspicion of neoplasia was noted. This is considered likely a hyperplastic change associated with stress or adrenal endocrinopathy (PDH). If isosthenuria is persistently present and the patient morphologically suggests Cushing's disease then ACTH testing would be indicated. The left adrenal gland measured 0.8 cm. The right adrenal gland measured 0.74 cm at the caudal pole and 1.33 cm at the cranial pole.
IMAGING PERFORMED BY	Spleen
Gudrun Gunther	A hyperechoic lipid nodule was noted in the spleen , measuring 0.85 cm. The spleen was uniform in contour and size, otherwise.
HOSPITAL NAME	Liver
New Frontier AMC	The liver was uniformly swollen. The liver presented coarse architecture with mildly increased portal markings and subtle, mixed echogenic changes. This is a mild change, consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. The gallbladder and common bile duct were unremarkable. Occasional hyperechoic lipid nodules were noted, not pathological.
REFERRING VET	
Gudrun Gunther	
INVOICE	Gastrointestinal
22909	The gastrointestinal tract revealed minor variable thickening and echogenic submucosal changes most consistent with low grade end result of chronic GI disease such as IBD and may be related to malassimilation of nutrients if any weight loss is present. No obvious neoplastic patterns were noted
DATE	
6/14/23	



PATIENT

Christmas Rose Conley

and luminal content as unremarkable. Some areas of mucosal fogging were noted in the small intestine.

SPECIES

Canine

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some mild 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 subxyphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

BREED

Poodle X

ULTRASONOGRAPHIC FINDINGS

SEX

Spayed Female

- Nonobstructive nephrolithiasis
- Bilateral adrenal hypertrophy
- Minor chronic GI changes, nonspecific. Mucosal fogging, lymphangiectasia may be emerging in this patient.
- Hepatopathy with occasional hyperechoic lipid nodules
- Hyperechoic lipid nodule in the spleen
- Age-related or benign changes elsewhere

AGE

15 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

12 Pounds

Albumin levels should be monitored carefully. I recommend a fresh fecal smear and fecal floatation analysis. If the patient appears cushingoid, then work up for PDH is indicated. Purina HA or Royal Canin HP diet should be considered given the GI presentation.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Gudrun Gunther

HOSPITAL NAME

New Frontier AMC

REFERRING VET

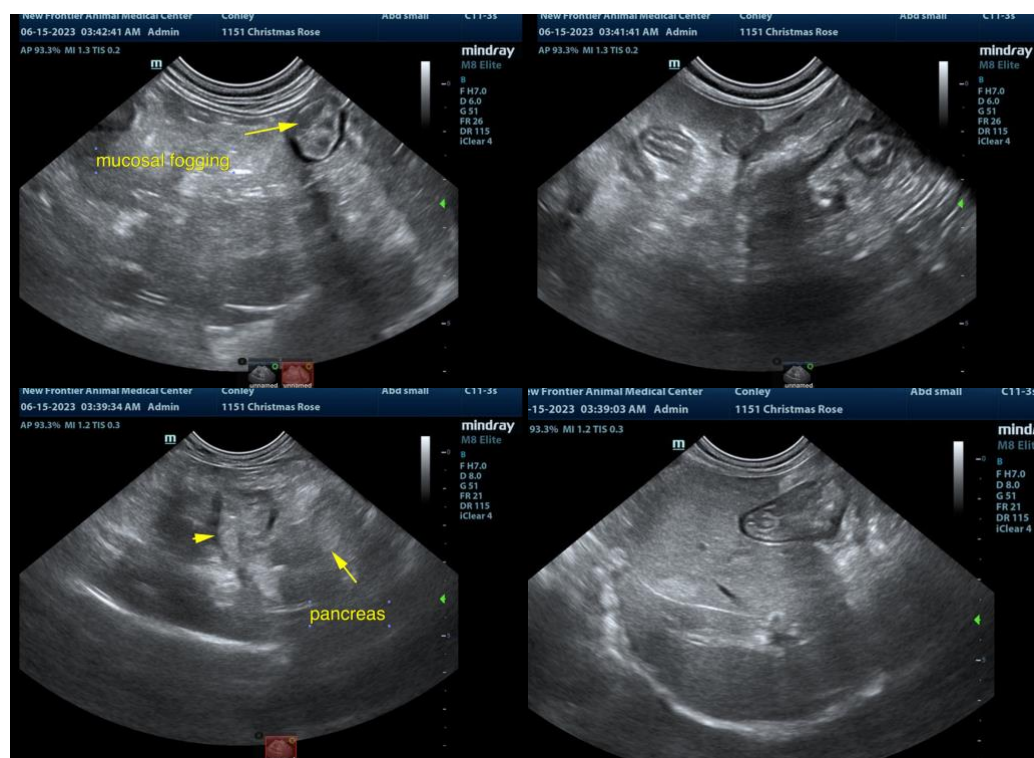
Gudrun Gunther

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SPECIES

Canine

BREED

Poodle X

SEX

Spayed Female

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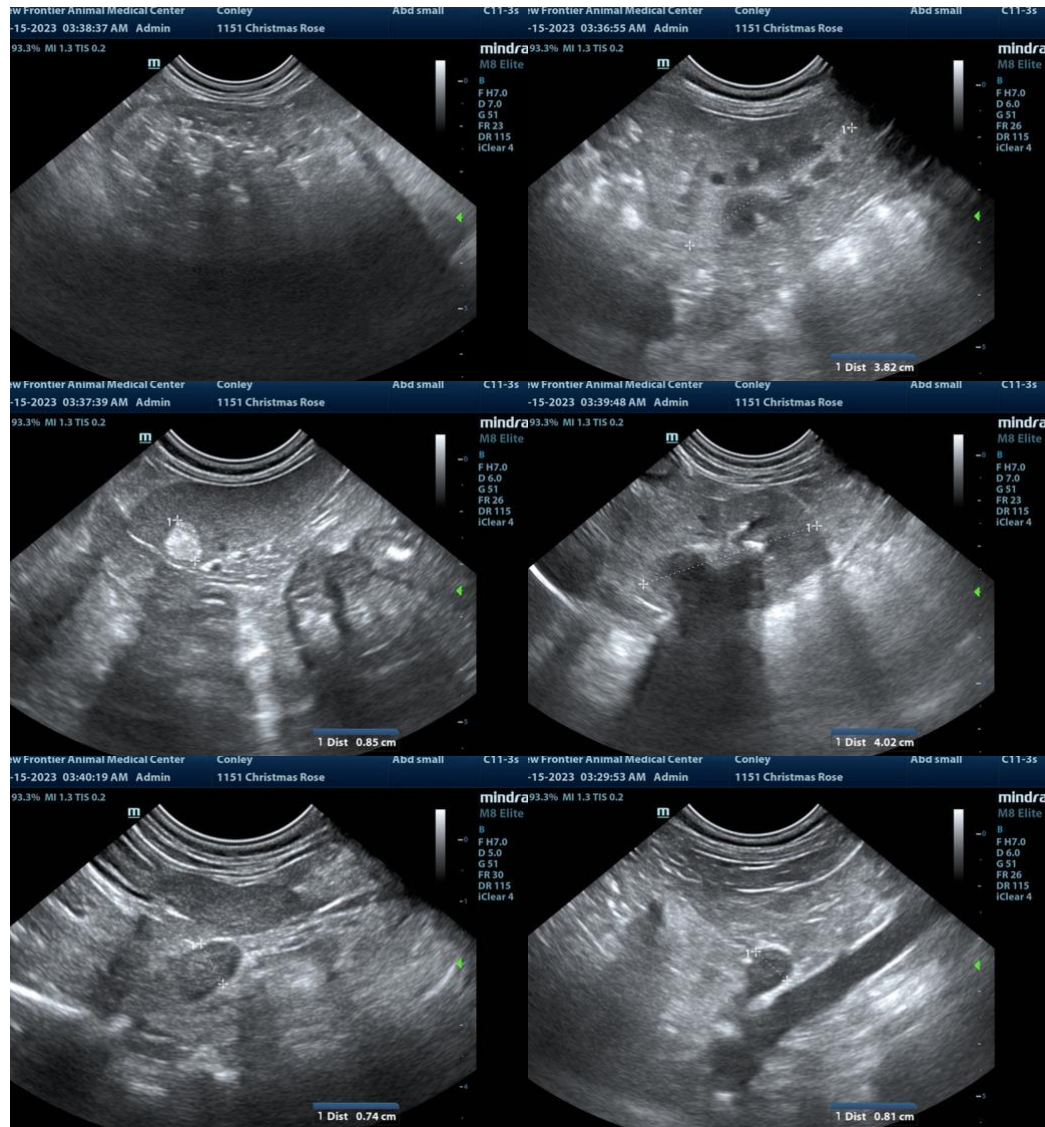
Gudrun Gunther

INVOICE

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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.

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.

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