



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Shyanne Cornell Presented for exam as not been eating well and has been drooling. Bloodwork revealed increased liver values. No meds.
Abnormal PE/Chem/CBC/UA Results: ALT 203(10-125) ALKP 1994 (23-212) GGT 15 (0-11)

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Border Collie

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

SEX

Spayed Female

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 5.2 cm. The right kidney measured 5.0 cm.

AGE

13 Years

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

WEIGHT

40 Pounds

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 1.9 cm length x 0.31 cm at the caudal pole. The right adrenal gland measured 2.8 cm length x 0.84 cm at the caudal pole.

INTERPRETED BY

R. McKenzie Daniel, DVM,
DABVP (Canine and
Feline)

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease.

IMAGING PERFORMED BY

Crystal Hill

Liver

HOSPITAL NAME

Norwich Vet Clinic

The liver exhibited subjective primarily mild generalized enlargement. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. A solitary, non-expansive, thinly walled parenchymal cyst was noted in the left ventrocaudal liver, measuring 1.6 cm in diameter. A uniform, symmetrical mass extending caudally with a stalk-like projection and exhibiting isoechoic echogenicity compared to adjacent hepatic parenchyma was present in the right ventrocaudal liver, extending past the level of the gastric axis. The mass measured approximately 7.0 cm in diameter. No other hepatic masses, nodules or cysts noted. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non distended in size with mild to moderate, dependent to non-dependent, yet non-organized, subjectively mobile, echogenic debris was present. The cystic duct and common bile ducts were normal without evidence of dilation.

REFERRING VET

Dr. Saturno

INVOICE

25273

DATE

9/9/21



PATIENT *Gastrointestinal*

Shyanne Cornell

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild echogenic, nonshadowing ingesta most consistent with post prandial presentation. No evidence of mechanical pyloric outflow obstruction. Pylorus wall measured 0.30 cm.

SPECIES

Canine

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material. Jejunum wall measured 0.44 cm. Duodenum wall measured 0.49 cm.

BREED

Border Collie

Normal visible colon wall layers were present with apparent formed feces in lumen.

SEX

Spayed Female

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

Free Abdomen

AGE

13 Years

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

- Hepatopathy with right ventrocaudal uniform hepatoma type mass and focal parenchymal cyst
- Moderate mobile gallbladder debris (non-mucocele)
- Mild retained gastric ingesta with sonographically unremarkable small bowel
- Heterogeneous pancreas – likely age related changes, minor potential for low-grade or chronic inflammation. Correlation with spec cPL may be considered.

INTERPRETED BY

R. McKenzie Daniel, DVM,
DABVP (Canine and
Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the right ventrocaudal hepatic mass may be considered for further clarification. Subjectively, the mass as well as the overall liver was not overtly consistent with neoplastic criteria. Hepatoma, hyperplasia, granuloma possible, while potential for neoplasia is considered a less likely differential diagnosis. The presence of minor retained gastric ingesta is non-specific and may correlate with recent meal ingestion. However, some degree of gastric hypomotility or metabolic stasis (if documented NPO) may be considered. Low-grade or mild gastrointestinal inflammatory process is possible.

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Norwich Vet Clinic

3-view chest radiographs recommended to rule out occult thoracic or esophageal pathology. Hepatosupportive medications including Denamarin and Ursodiol are recommended. Continued as-needed gastrointestinal support is suggested.

REFERRING VET

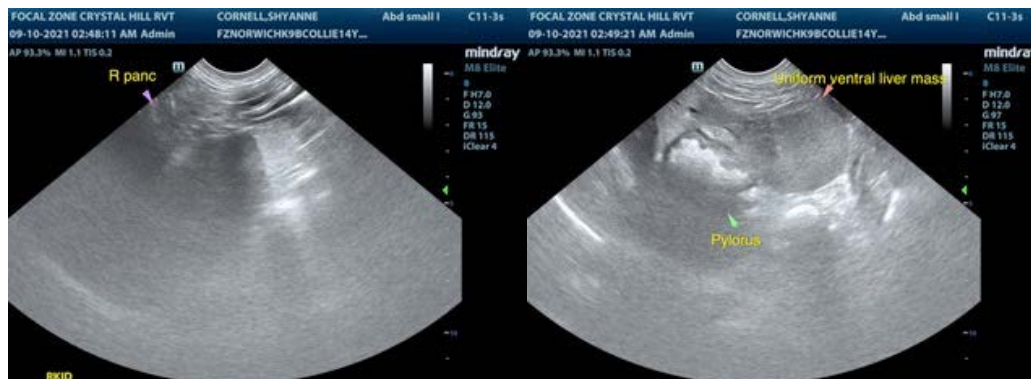
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PATIENT

Shyanne Cornell

SPECIES

Canine

BREED

Border Collie

SEX

Spayed Female

AGE

13 Years

WEIGHT

40 Pounds

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**IMAGING
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REFERRING VET

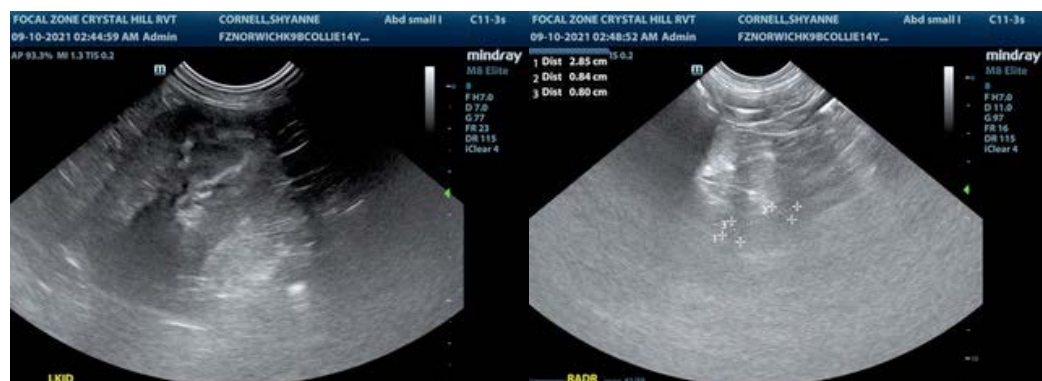
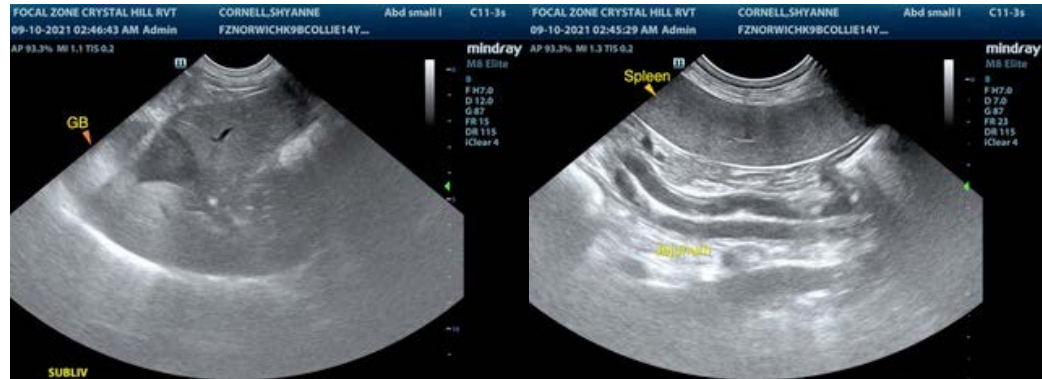
Dr. Saturno

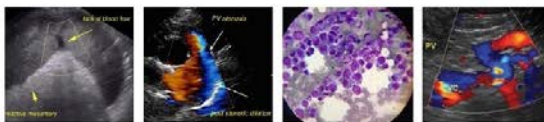
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PATIENT

Shyanne Cornell

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

Border Collie

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com

SEX

Spayed Female

AGE

13 Years

WEIGHT

40 Pounds

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