



PATIENT

Peanut Ann

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

10 years

WEIGHT

13.2 lbs

INTERPRETED BY

Karen Ebersole, DVM,
DABVP (Canine and
Feline practice)

**IMAGING
PERFORMED BY**

Kelly Vazquez

HOSPITAL NAME

Animal General on
Hudson

REFERRING VET

Dr. Dima

INVOICE

43446

DATE

3/22/23

PRESENTING CLINICAL SIGNS

History: Patient presents for chronic diarrhea and vomiting. Radiographs show "unusual" liver/microhepatica?

Abnormal PE/Chem/CBC/UA Results: Leukopenia 2.8, neutropenia 1680, lymphocytopenia 868.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** was normal in size and shape. The serosal and mucosal surfaces were smooth and curvilinear. The bladder wall was normal in thickness for the volume of urine present. The urine was anechoic with mild suspended, non-shadowing sediment. The ureters were not visible, which is normal. The bladder trigone was normal. The pelvic urethra was visualized to a depth of 3 cm and was normal in thickness and tone.

The **iliac trifurcation** was visualized and evaluated with color doppler. There was normal vascular perfusion with no evidence of thrombus formation.

Both **kidneys** were subjectively normal in size and shape. The capsule contour was smooth. Normal corticomedullary distinction was present with a normal 1:3 cortex to medulla ratio. The cortex was normal in echogenicity. There was no evidence of pyelectasia or renoliths. Perfusion and vascularity were normal on power doppler. The left kidney measured 4.05 cm in length. The right kidney measured 4.05 cm in length.

Adrenal Glands

Both **adrenal glands** were visualized and found to be normal in size, shape and position. The capsule of each gland was smooth with no evidence of capsular expansion. The echogenicity and echotexture of each gland was normal. The left adrenal gland measured 4 mm in height. The right adrenal gland measured 3.3 cm in height.

Spleen

The **spleen** was normal size and shape with a smooth capsule contour. The spleen was in a normal position. The parenchyma had a finely textured and homogenous echogenicity. The vasculature was normal in structure, with no evidence of thrombus on power doppler examination.

Liver

The **liver** was normal in size and shape with a smooth capsule contour. The liver lobe edges were appropriately sharp. The parenchyma had a normal coarse and homogenous echotexture. The hepatic and portal vasculature were normal in size and volume. There were no visible focal lesions, masses or inflammation present.

The portal hilus was visualized and found to be normal, with normal ratios of portal vein to vena cava to aorta.

The **gallbladder** in this patient was bilobed with mildly tortuous cystic ducts that joined together into a single cystic duct. This is a normal variant and is not pathological. The gall bladder contents were anechoic and the walls were thin without inflammation. The cystic duct measured 4.4 mm. The common bile duct was visualized to the level of the duodenal papillae. The common bile duct was normal in size and structure and measured 2.8mm.



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Gastrointestinal

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The **stomach** was largely empty with normal size, shape, and position. The stomach wall was normal in thickness and maintained appropriate layering. The **small intestine** displayed normal curvilinear patterns throughout, with normal wall thickness and layering. Normal peristalsis was present. The visible **colon** wall was normal in thickness and layering. There were no visible masses or focal lesions.

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Pancreas

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The left limb, body and right limb of the **pancreas** were visualized and found to be normal in size and shape. The pancreatic capsule was smooth, without deviation or expansion. The parenchyma was isoechoic to the surrounding mesentery. The pancreatic duct was normal in size and appearance. There was no evidence of discrete masses or inflammation.

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Neutered male

Free Abdomen

No peritoneal effusion or lymphadenopathy was noted on examination of the peritoneal cavity.

AGE

10 years

ULTRASONOGRAPHIC FINDINGS

- Bilobed gallbladder – a normal variant in cats, non-pathological
- Structurally normal abdomen

WEIGHT

13.2 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There were no sonographic changes in the liver or GI to explain the vomiting and diarrhea. At times, IBD or food intolerance can exist without visible sonographic changes. A GI panel to evaluate folate, cobalamin and TLI is recommended. Dietary modifications such as a hydrolyzed diet trial or a GI diet (such as Hills Biome or Purina EN) may prove beneficial.

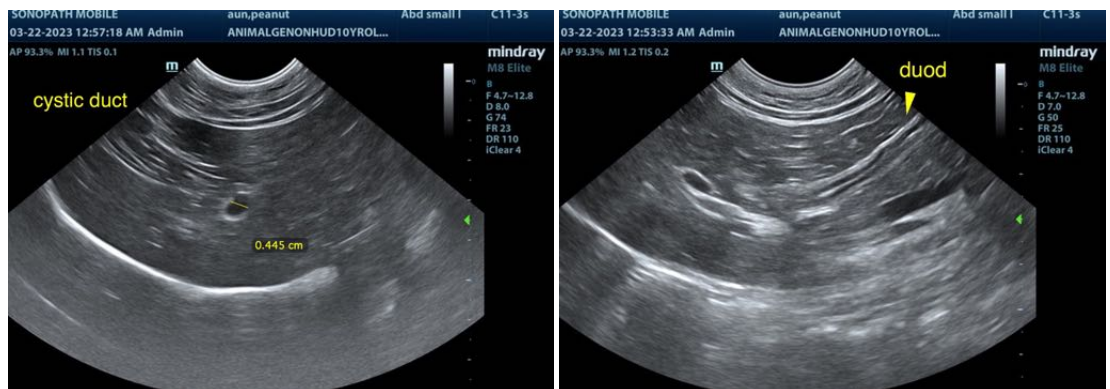
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Regarding the leukopenia, a recheck CBC with path review of a blood smear is recommended.

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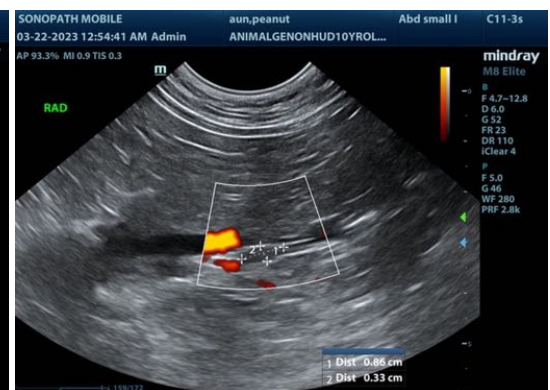
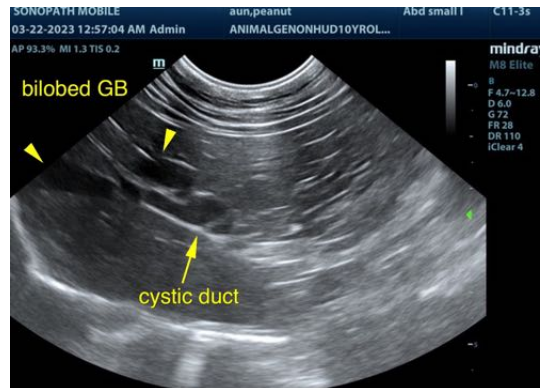
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Karen Ebersole, DVM, DABVP (Canine and Feline practice)
info@SonoPath.com