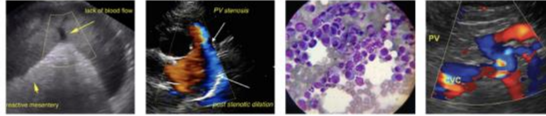


PATIENT

Boogie Waterfield

SPECIES

Feline

BREED

Devon Rex

SEX

Spayed Female

AGE

12/21/2008

WEIGHT

approxim 8 lbs

INTERPRETED BY

Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)

IMAGING PERFORMED BY

Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)

HOSPITAL NAME

Cats Only Mt Pleasant

REFERRING VET

Dr. Ben Fuller

INVOICE

11117

DATE

6/20/22

PRESENTING CLINICAL SIGNS

Clinical Exam Findings: lethargy and inappetence for about 48 hours
high fever last night (105)
Vomiting last night
Abnormal labwork values: High white cell count
Current Medications: IV fluids, onsior
Fever of unknown origin, lethargic. Vomiting. Treated at ER overnight. Temp has improved slightly. Labs show hyperglycemia and glucosuria.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder is mildly distended. The wall is of appropriate thickness for the level of repletion. The mucosal surface in the region of the apex is mildly irregular. A small amount of echogenic debris is suspended within the lumen. No cystic calculi are seen. The region of the trigone and the proximal urethra, visible to a depth of 2 cm, are normal.

The left kidney is normal size (3.55 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

The right kidney is normal size (3.55 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

Adrenal Glands

The left adrenal gland is normal size (0.31 cm width). Normal shape and glandular echogenicity. The phrenicoabdominal vein and surrounding vasculature are normal.

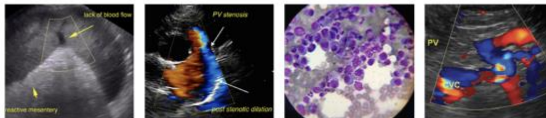
The right adrenal gland is normal size (0.33 cm width). Normal shape and glandular echogenicity. The phrenicoabdominal vein and surrounding vasculature are normal.

Spleen

The spleen is normal in size (0.73 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

Liver

The liver is subjectively prominent in size with slightly swollen peripheral contours. The parenchyma is hypoechoic relative to the spleen. A 2.80 x 2.30 cm heterogenous, multiseptated cystic mass is observed in the region of the right, medial lobe. In addition, a 1.88 x 1.16 cm heterogenous multiseptated cystic mass is observed in the left, lateral lobe. The remaining parenchyma is slightly mottled in appearance. Hepatic vasculature and intrahepatic biliary tracts are of normal volume with no evidence of congestion. The portal vein to caudal vena cava ratio is approximately 1: 1.



PATIENT

Boogie Waterfield

SPECIES

Feline

BREED

Devon Rex

SEX

Spayed Female

AGE

12/21/2008

WEIGHT

approxim 8 lbs

INTERPRETED BY

Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)

IMAGING PERFORMED BY

Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)

HOSPITAL NAME

Cats Only Mt Pleasant

REFERRING VET

Dr. Ben Fuller

INVOICE

11117

DATE

6/20/22

The gall bladder lumen is mildly distended. The wall is mildly thickened (up to 0.11 cm) with a subtly irregular mucosal surface. A cholelith (0.71 cm in diameter)) is observed within the gall bladder lumen The cystic and common bile ducts are visible/tortuous, but not overtly dilated. The common bile duct measures 0.26 cm in diameter at the distal aspect. The duodenal papilla is normal in size (0.38 cm in width). No obvious evidence of an intraluminal obstruction.

Gastrointestinal

The gastric lumen is distended with ingesta. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is segmentally dilated with chyme. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The ileocecocolic junction and colonic wall are normal. The colonic lumen contains shadowing fecal material. There is no evidence of an obstructive pattern.

Pancreas

A portion of the pancreas is obscured by the gastric distention. In the visualized portions (left limb and base) the pancreas is prominent, with slightly irregular peripheral contours. The parenchyma is mildly hypoechoic relative to surrounding omental fat. A few, irregular cystic lesions are observed in the left limb, the largest measuring 0.73 cm in diameter in its longest dimension. The pancreatic duct is not overtly dilated.

Free Abdomen

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

Other

A brief echocardiogram reveals no evidence of pericardial effusion or obvious right atrial/auricular mass.

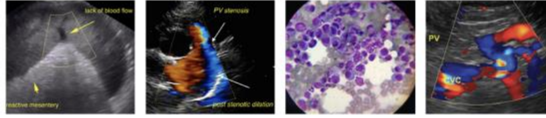
ULTRASONOGRAPHIC FINDINGS

Primary Findings

- The pancreatic changes could be consistent with mild pancreatitis with pancreatic cysts. However, the changes may be incidental findings.
- The hepatic masses are most consistent with adenomas with a lower possibility of a neoplastic process (i.e., biliary adenocarcinoma, other).
- The diffuse hepatic parenchymal changes are most consistent with benign age-related remodeling. However, inflammatory disease or other hepatopathy cannot be completely excluded. However, in light of the normal liver values, age-related remodeling is suspected.

Secondary Findings

- Bilateral, chronic, age-related renal changes
- The urinary bladder wall changes could be consistent with cystitis or may be artifactual due to lack of full repletion. Correlation with the patient's urinalysis findings is recommended.
- Nonobstructive cholelith, likely incidental.



PATIENT

Boogie Waterfield

SPECIES

Feline

BREED

Devon Rex

SEX

Spayed Female

AGE

12/21/2008

WEIGHT

approxim 8 lbs

INTERPRETED BY

Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)

IMAGING PERFORMED BY

Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)

HOSPITAL NAME

Cats Only Mt Pleasant

REFERRING VET

Dr. Ben Fuller

INVOICE

11117

DATE

6/20/22

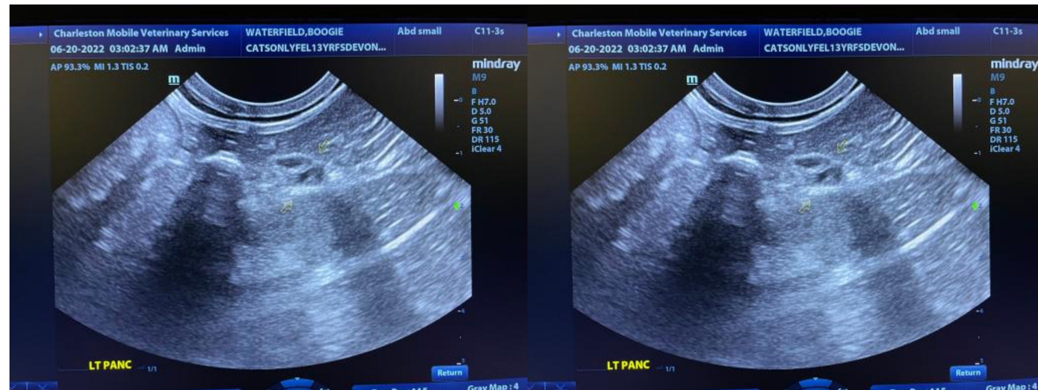
*An obvious cause for the patient's fever and clinical signs is not definitively identified in this study. Considerations include pancreatitis, urinary tract infection, pyelonephritis, other infectious/inflammatory or autoimmune process.

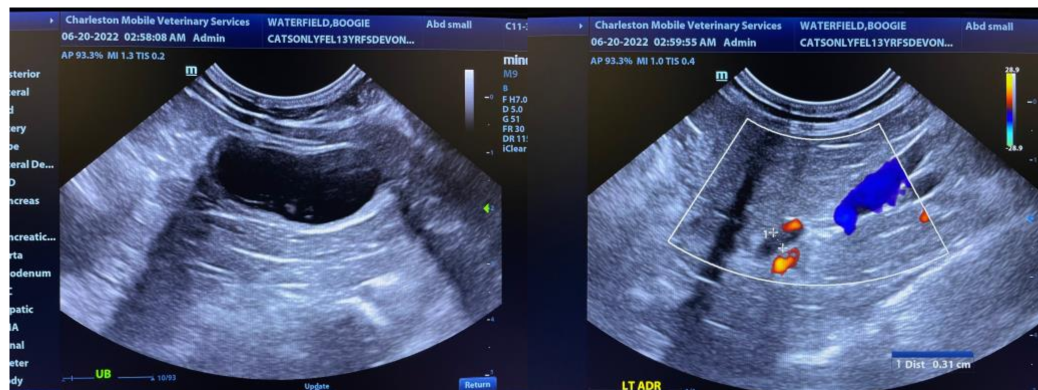
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

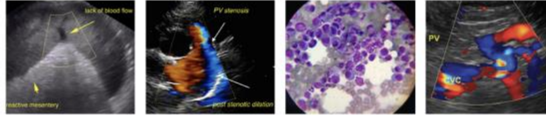
Urine culture and sensitivity
Given the persistent hyperglycemia and glucosuria, a serum fructosamine level is recommended to evaluate for the presence of diabetes mellites.

Consider a malabsorption panel, including serum cobalamin and folate, TLI and PLI, to further assess for pancreatitis as well as concurrent gastrointestinal disease. While awaiting test results, supportive care, including IV fluids, gastric protectants, antiemetics, and broad-spectrum antibiotics are recommended with serial monitoring of the patient's glucose. If the patient's clinical status does not improve over the next 48-72 hours, consider a repeat ultrasound when the stomach is empty to better evaluate the pancreas.

Regarding the liver masses, consider a repeat ultrasound in 4-6 weeks to assess for growth.







PATIENT

Boogie Waterfield

SPECIES

Feline

BREED

Devon Rex

SEX

Spayed Female

AGE

12/21/2008

WEIGHT

approxim 8 lbs

INTERPRETED BY

Andrea Nicastro,
DVM, Diplomate
ACVIM (*Small Animal Internal Medicine*)

IMAGING PERFORMED BY

Andrea Nicastro,
DVM, Diplomate
ACVIM (*Small Animal Internal Medicine*)

HOSPITAL NAME

Cats Only Mt Pleasant

REFERRING VET

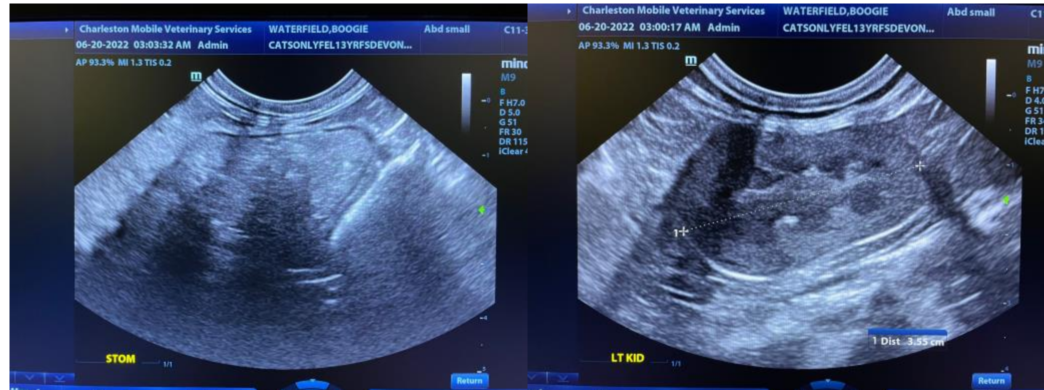
Dr. Ben Fuller

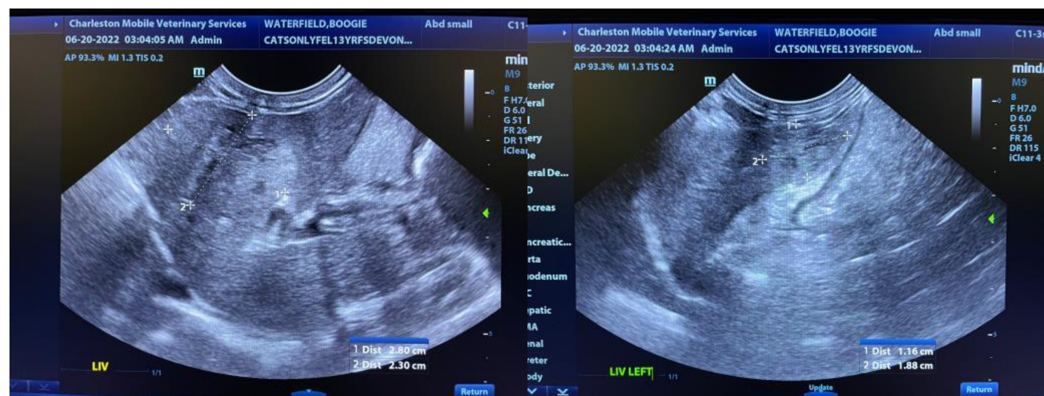
INVOICE

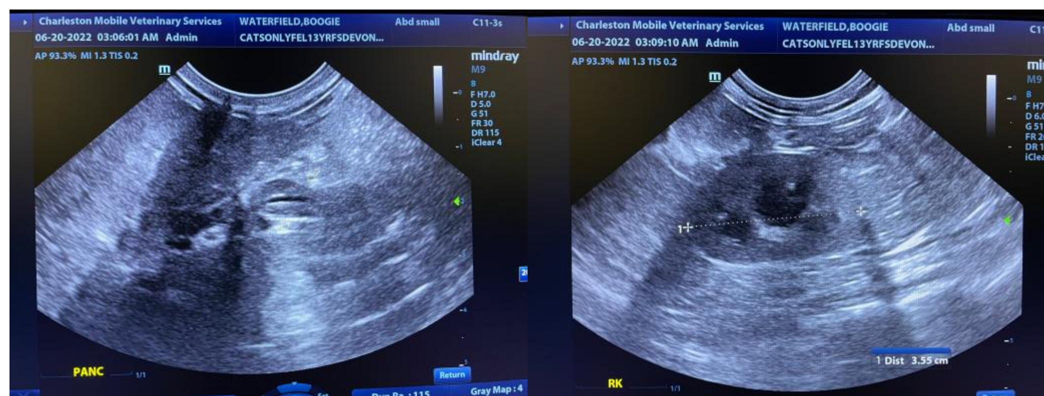
11117

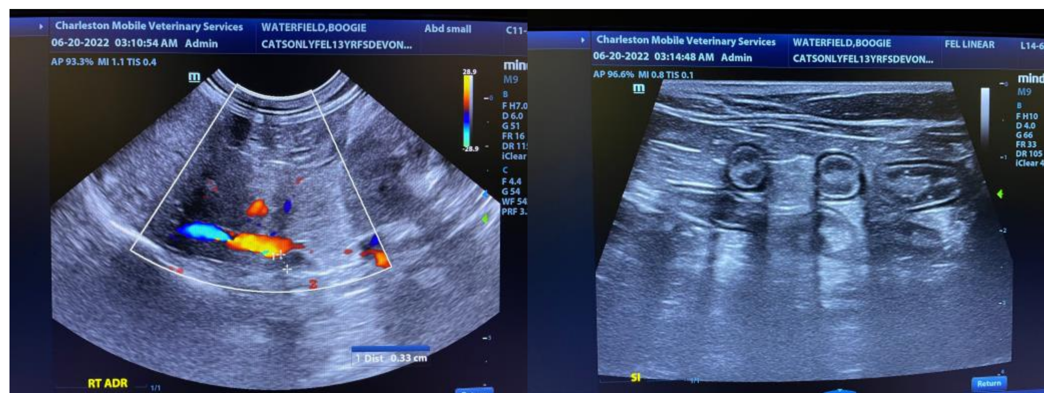
DATE

6/20/22

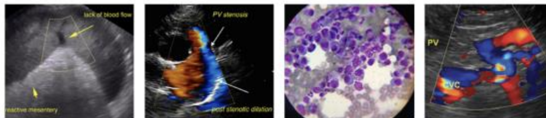








SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™
1-800-838-4268 info@sonopath.com SonoPath.com



Charleston Mobile Veterinary Services
IMAGING PERFORMED BY
CharlestonMobile.Net 800.403.5408

PATIENT

Boogie Waterfield

SPECIES

Feline

BREED

Devon Rex

SEX

Spayed Female

AGE

12/21/2008

WEIGHT

approxim 8 lbs

INTERPRETED BY

Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)

IMAGING PERFORMED BY

Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)

HOSPITAL NAME

Cats Only Mt Pleasant

REFERRING VET

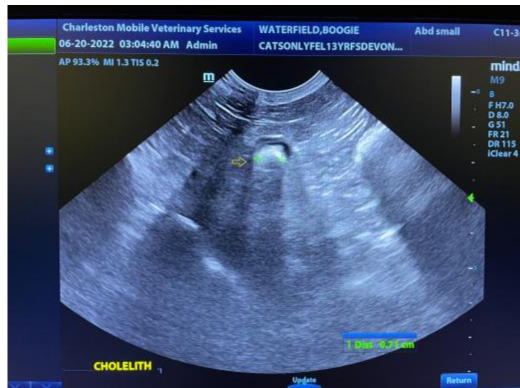
Dr. Ben Fuller

INVOICE

11117

DATE

6/20/22



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.

Andrea Nicastro, DVM, Diplomate DACVIM (Small Animal Internal Medicine)
info@SonoPath.com