



**PATIENT**

Coconut Sommerville

**SPECIES**

Feline

**BREED**

Domestic Shorthair

**SEX**

Spayed Female

**AGE**

2 years

**WEIGHT**

13.5 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Kelly Vazquez, CVT

**HOSPITAL NAME**

Ramsey AC

**REFERRING VET**

Dr. Bishnoi

**INVOICE**

94302

**DATE**

12/6/21

**PRESENTING CLINICAL SIGNS**

History: Patient initially presented for vomiting (now resolved), cat is now eating well. Progressively worsening liver enzymes elevations, particularly ALT which is at 1939. Current meds: Amoxidrops, Enrofloxacin, Denamarin, and Felovite.

Abnormal PE/Chem/CBC/UA Results: 11/15/21: ALT 151, BUN 13, sodium 160. 11/20/21: albumin 4.0, AST 140, ALT 476, sodium 163, NA/K ratio 31. 12/2/21: AST 238, ALT 1939, Alk. Phos. 125, calcium 11.1, sodium 163, NA/K ratio 31. U/A: color - dark yellow, USG 1.069, protein 1+, occult blood 2+, RBC 4-10.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction. 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.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 4.13 cm. The left kidney measured 4.2 cm.

**Adrenal Glands**

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient.

**Spleen**

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted. The spleen measured 0.76 cm.

**Liver**

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.



**PATIENT**

Coconut Sommerville

**SPECIES**

Feline

**BREED**

Domestic Shorthair

**SEX**

Spayed Female

**AGE**

2 years

**WEIGHT**

13.5 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Kelly Vazquez, CVT

**HOSPITAL NAME**

Ramsey AC

**REFERRING VET**

Dr. Bishnoi

**INVOICE**

94302

**DATE**

12/6/21

**Gastrointestinal**

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

**Pancreas**

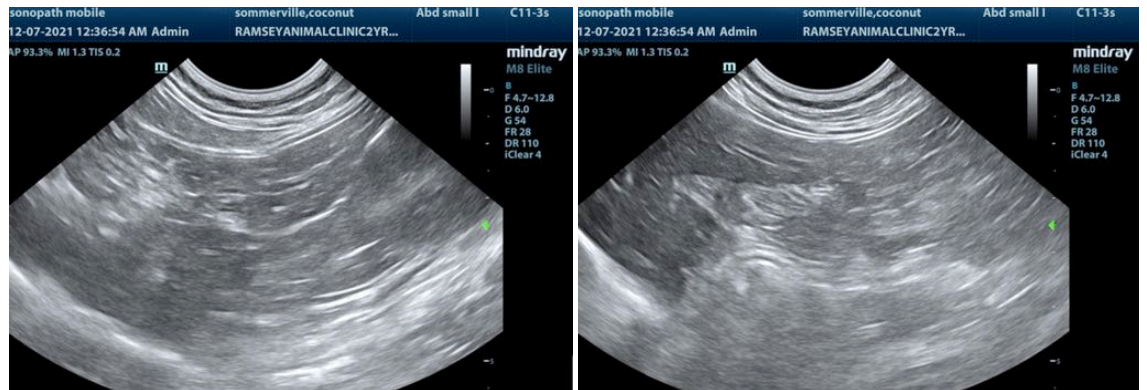
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

**ULTRASONOGRAPHIC FINDINGS**

Subacute to acute inflammatory hepatopathy given the significantly high ALT in the midst of structurally unremarkable liver.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

FNA of the liver can be considered for further definition. A clinical trial of Enrofloxacin and Metronidazole combination to treat for infectious agents could be considered.





**PATIENT**

Coconut Sommerville

**SPECIES**

Feline

**BREED**

Domestic Shorthair

**SEX**

Spayed Female

**AGE**

2 years

**WEIGHT**

13.5 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Kelly Vazquez, CVT

**HOSPITAL NAME**

Ramsey AC

**REFERRING VET**

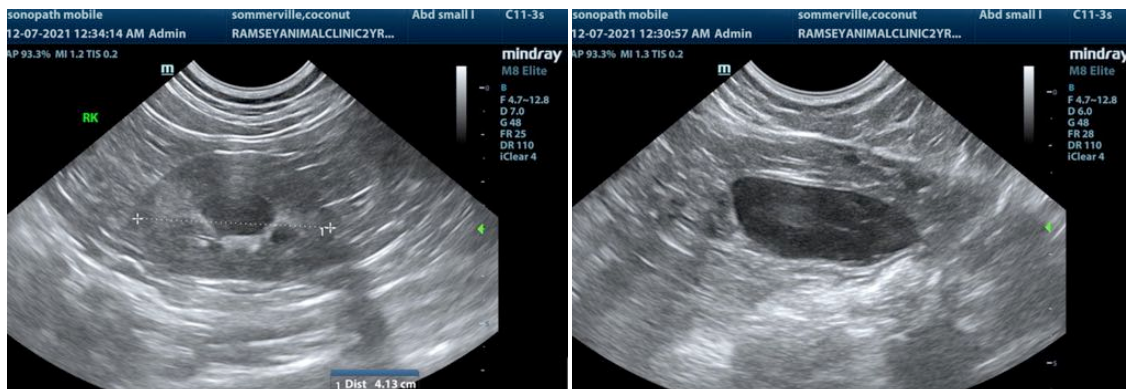
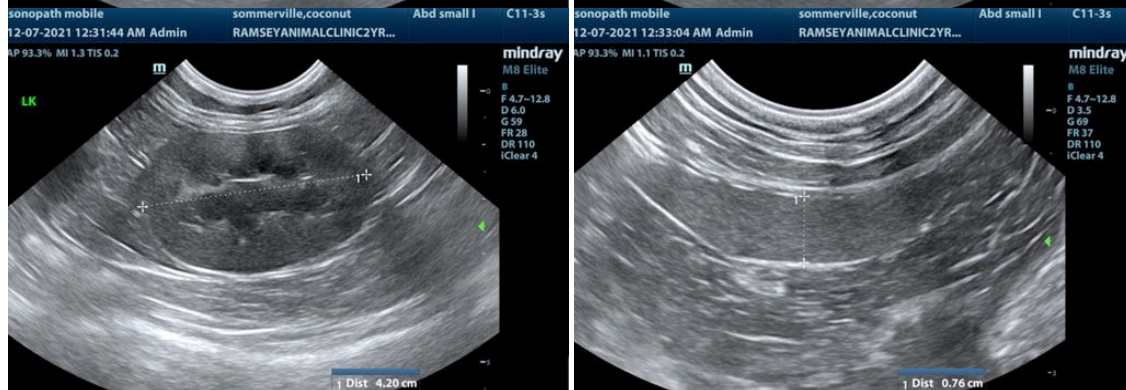
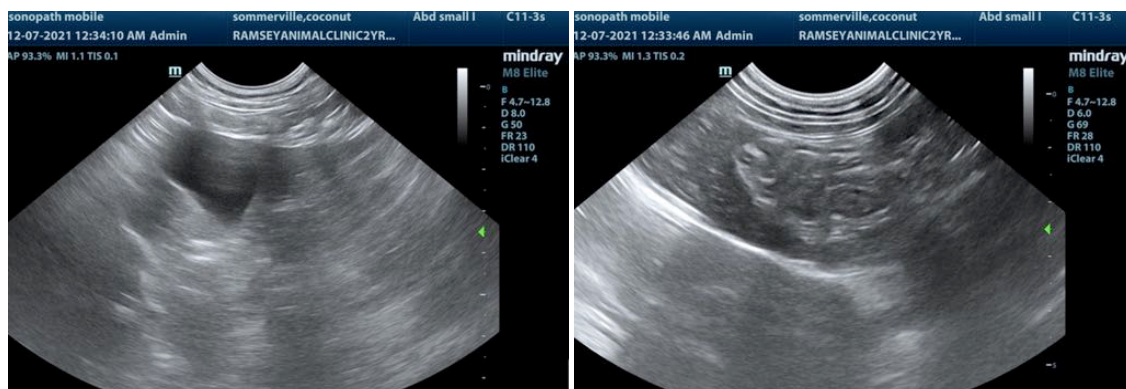
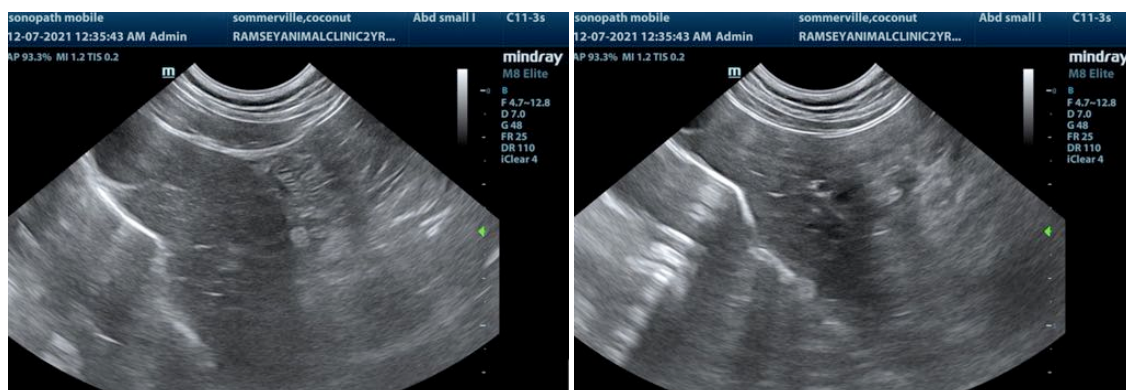
Dr. Bishnoi

**INVOICE**

94302

**DATE**

12/6/21





**PATIENT**

veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Coconut Sommerville

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.

**SPECIES**

Feline

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

**BREED**

Domestic Shorthair

**SEX**

Spayed Female

**AGE**

2 years

**WEIGHT**

13.5 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Kelly Vazquez, CVT

**HOSPITAL NAME**

Ramsey AC

**REFERRING VET**

Dr. Bishnoi

**INVOICE**

94302

**DATE**

12/6/21