

PATIENT

Tinkerbelle Osman

SPECIES

Feline

BREED

Domestic Shorthair

PRESENTING CLINICAL SIGNS

History: Multiple year history of thoracic dermal mass that in recent weeks had become ulcerated due to excessive patient grooming/pruritus of said mass. PE reveals a large roughly oval-shaped central ulcerated dermal mass measuring ~4x3x1 cm on R lateral thorax. There is a ~1-2cm chain of firm nodules deep to the central mass. There are also two focal 1x1cm firm dermal masses cranial and caudal to the primary mass that are non-ulcerated. Mass was surgically removed on 02/28/23 and tissue samples sent for biopsy. Provided tissue samples included the primary and cranial mass in single section with the associated deeper nodules (lymph nodes). Histopathology report reveals Adenocarcinomas with lymphatic and lymph node invasion. Complete excision of masses confirmed but clinical staging recommended.

Abnormal PE/Chem/CBC/UA Results: Hx Hyperthyroid - currently controlled

SEX

Spayed female

AGE

14 years

WEIGHT

3.11 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUS

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 and appeared normal. 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 largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some 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. The left kidney measured 3.5 cm. The right kidney revealed a cortical infarct at the cranial pole. The right kidney measured 2.8 cm.

IMAGING PERFORMED BY

Dr. Roppolo

HOSPITAL NAME

Audubon FVC

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. Both adrenal glands measured 0.5 cm.

REFERRING VET

Dr. Roppolo

Spleen

The **spleen** was mildly enlarged and measured 1.23 cm. Slight scalloping contour was noted.

INVOICE

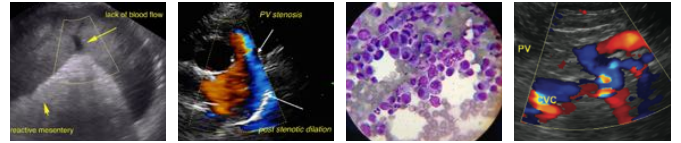
43421

DATE

3/21/23

Liver

The **liver** revealed mildly increased portal markings with slight coarse architecture, which is largely expected for this age patient. 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

Tinkerbelle Osman

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed female

AGE

14 years

WEIGHT

3.11 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Roppolo

HOSPITAL NAME

Audubon FVC

REFERRING VET

Dr. Roppolo

INVOICE

43421

DATE

3/21/23

Gastrointestinal

The **gastrointestinal tract** revealed muscularis hypertrophy and reactive mesentery and increased submucosal echogenicity and thickness. No neoplastic criteria was present. The intestinal presentation is most consistent with subacute on chronic inflammatory bowel.

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

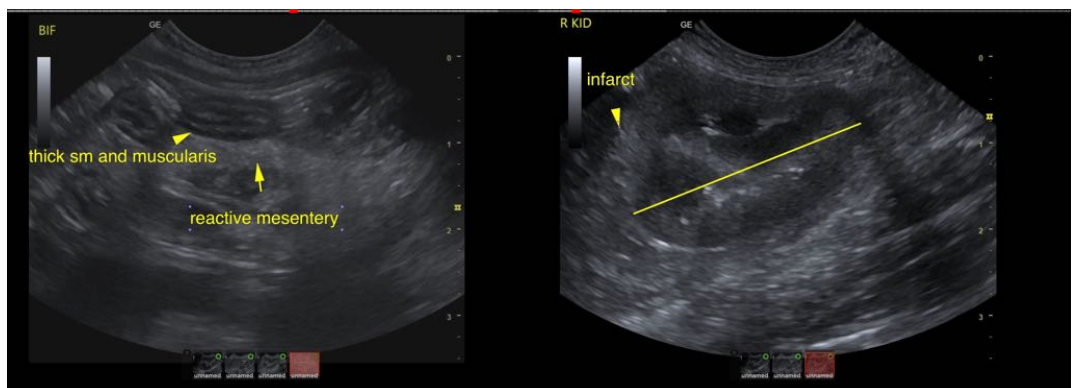
Subacute upon chronic inflammatory bowel presentation.

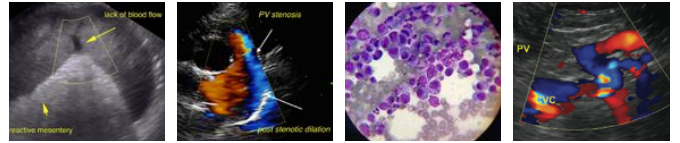
Mild hepatic remodeling.

Mild splenic enlargement.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the spleen is warranted to ensure an emerging round cell neoplasia is not developing as opposed to reactive or splenitis. Splenic FNA is recommended especially if any weight loss is an issue. There was no overt neoplastic criteria and no metastatic type pattern that would suggest carcinoma; however, sampling of the spleen is encouraged. I recommend assessment for any low-grade GI signs given the intestinal presentation.





PATIENT

Tinkerbelle Osman

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed female

AGE

14 years

WEIGHT

3.11 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Roppolo

HOSPITAL NAME

Audubon FVC

REFERRING VET

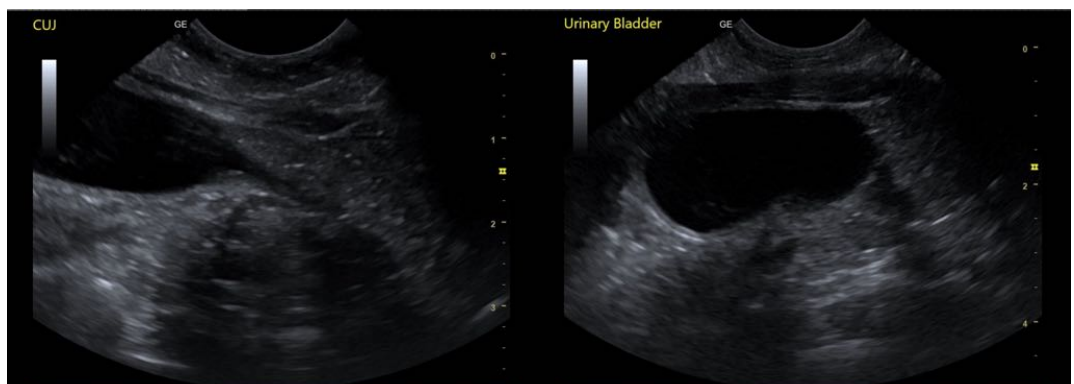
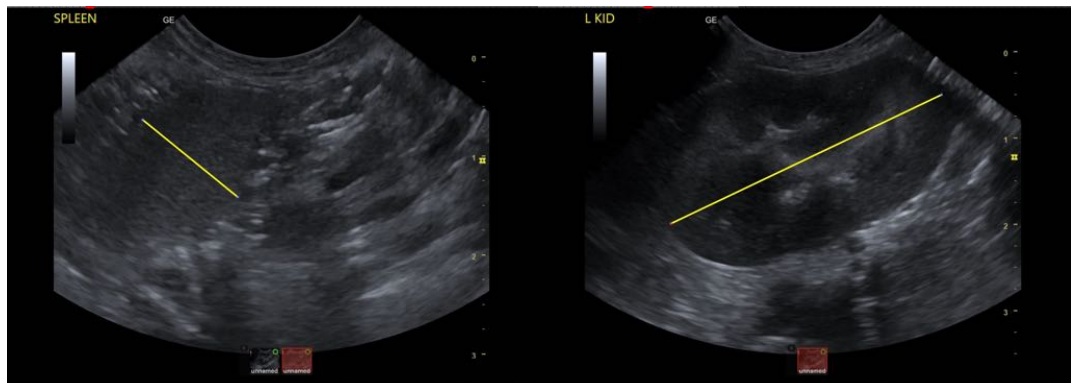
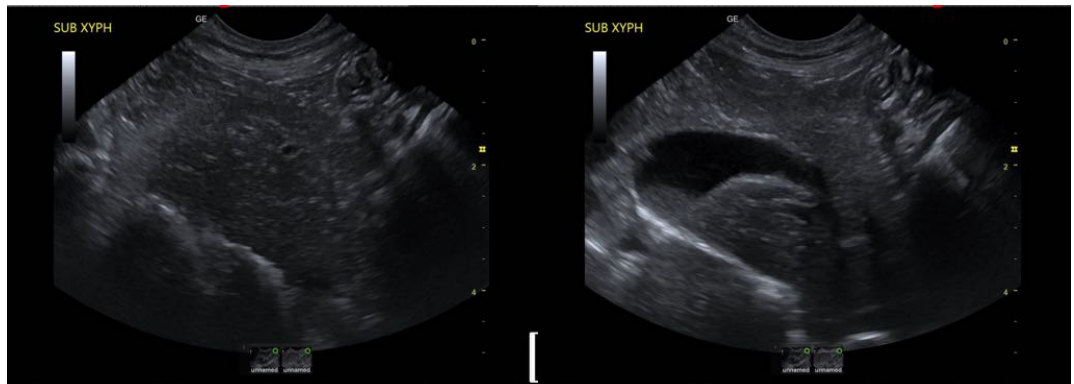
Dr. Roppolo

INVOICE

43421

DATE

3/21/23



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.

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