



PATIENT

Boo Boo Drucker

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

17 years

WEIGHT

10 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Mandeville

HOSPITAL NAME

BetterVet

REFERRING VET

Dr. Mandeville

INVOICE

30017

DATE

4/28/22

PRESENTING CLINICAL SIGNS

History: previously controlled Hyperthyroidism, diabetic, Stage 2 CKD and feline asthma. Last 2 weeks inappetant, lethargic, hiding in unusual places.
Abnormal PE/Chem/CBC/UA Results: labs 2 weeks ago: hypoalbuminemia, hypercalcemia, hyperglobulinemia, mild anemia, Proteinuria. low thyroid. awaiting results of Labs re-tested today.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. 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. The capsules were acceptably uniform without significant irregularities. The left kidney revealed pyelectasia, pelvic calculi and irregular contour. Cortical infarcts were noted along with mild pericapsular inflammatory pattern. The left kidney measured 3.0 cm. The right kidney was mildly thickened with a non-obstructive pelvic calculus. Pericapsular inflammatory pattern was noted. The cortices were thickened and irregular.

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** was largely smooth with subtle heterogeneous parenchymal changes while maintaining normal echogenic relationship to the liver and kidney. These changes are consistent with normal age-related alteration. Occasional hyperechoic lipogranulomatous change was noted. The capsule was smooth without noticeable impingement from within the spleen or from pathology in the adjacent abdomen. The splenic vasculature demonstrated normal volume without signs of congestion or significant contraction. No evidence of active acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations



PATIENT

regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable. Pleural effusion was noted through the diaphragm.

Boo Boo Drucker

SPECIES

Gastrointestinal

Feline

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.

BREED

Domestic Shorthair

SEX

Pancreas

Neutered male

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.

AGE

17 years

Heart

WEIGHT

Rapid view of the heart revealed no evidence of volume overload. Therefore, the pleural effusion is non-cardiogenic.

10 lbs

ULTRASONOGRAPHIC FINDINGS

INTERPRETED BY

Thickened, irregular dystrophic kidneys with pericapsular inflammatory pattern. Potential emerging renal lymphoma.

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Pleural effusion.

IMAGING PERFORMED BY

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Dr. Mandeville

Coagulation panel and FNA of either kidney is recommended as well as pleurocentesis and cytospin. There is a strong concern for thoracic neoplasia, possibly deriving from the kidneys.

HOSPITAL NAME

BetterVet

REFERRING VET

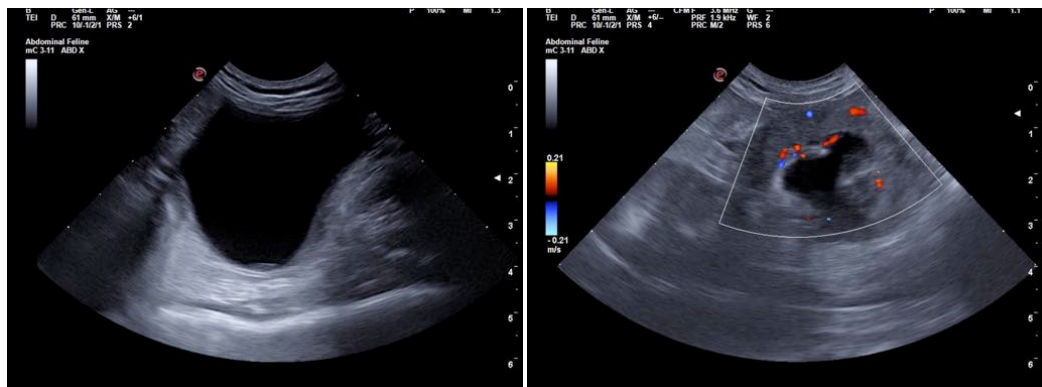
Dr. Mandeville

INVOICE

30017

DATE

4/28/22





PATIENT

Boo Boo Drucker

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

17 years

WEIGHT

10 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Mandeville

HOSPITAL NAME

BetterVet

REFERRING VET

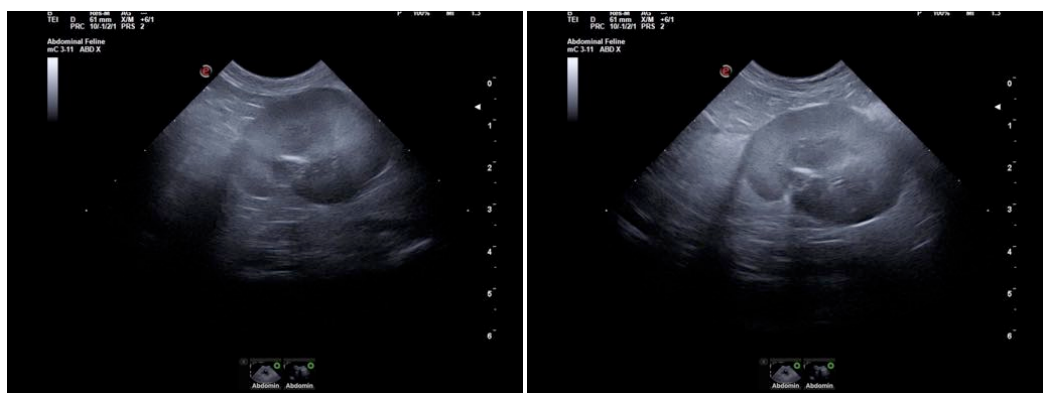
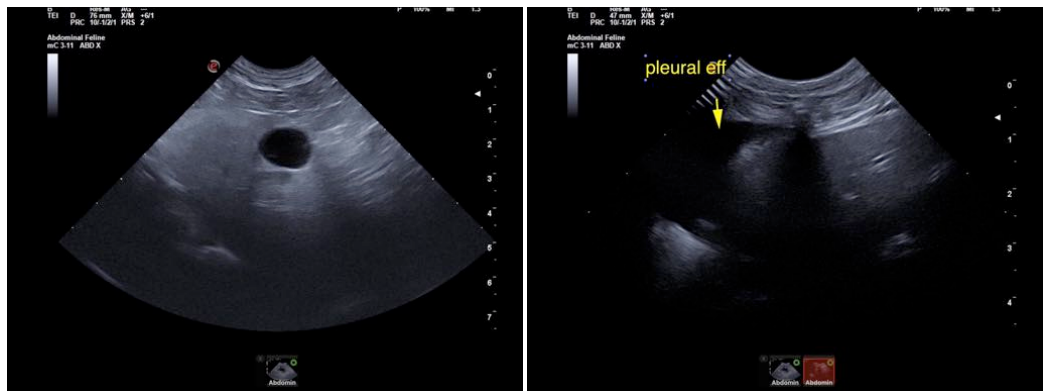
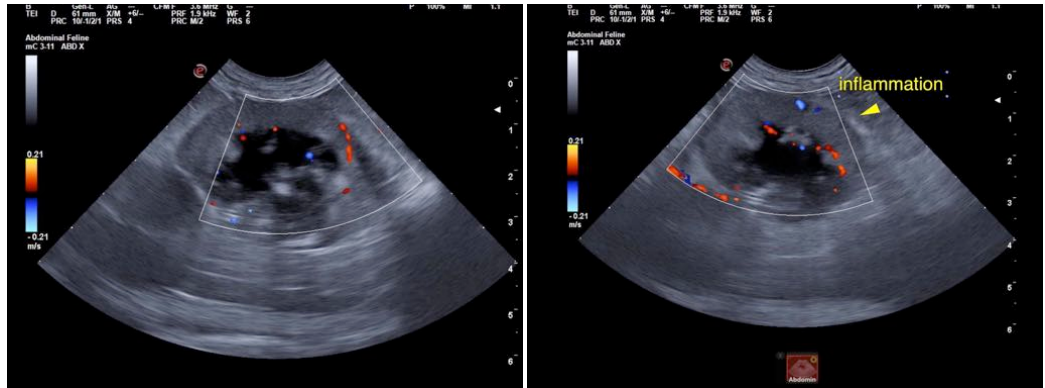
Dr. Mandeville

INVOICE

30017

DATE

4/28/22





PATIENT

Boo Boo Drucker

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

17 years

WEIGHT

10 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Mandeville

HOSPITAL NAME

BetterVet

REFERRING VET

Dr. Mandeville

INVOICE

30017

DATE

4/28/22

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.

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