



PATIENT

Layla Kaplan

PRESENTING CLINICAL SIGNS

History of Stable CKD and heart murmur.
Abnormal PE/Chem/CBC/UA Results: Elevated SDMA, Creatinine, BUN

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Beagle Mix

The **bladder** in this patient was mildly thickened with slight echogenic mural changes. No calculi or masses were noted. Slight micropolypoid changes were noted. This is a frequent finding in older animals and may be linked to a history of chronic urinary tract infection or active urinary tract infection. Urinalysis would be recommended with culture if any evidence of inflammatory sediment is present. The region of the trigone and visible pelvic urethra were normal.

SEX

Spayed Female

AGE

9 years

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 this age patient. Medullary structure differed distinctly from that of the cortex. Pyelectasia was noted in the kidneys. The right kidney measured 4.5 cm. The left kidney measured 4.0 cm.

WEIGHT

37.2 lbs

Adrenal Glands

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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. The left adrenal gland measured 0.5 cm. The right adrenal gland measured 0.8 cm at the cranial pole and 0.6 cm at the caudal pole.

IMAGING PERFORMED BY

Hudgins

Spleen

HOSPITAL NAME

Petvacx AH

The **spleen** in this patient was mildly enlarged with uniform parenchyma and was folded upon itself cranially. This is a positional variant and is not pathological. There was no evidence of significant disease.

REFERRING VET

Jacob

Liver

The **liver** was uniformly swollen with minor, excessive gallbladder debris and over distension with dependent and suspended bile without evidence of overt mucocele formation. However, excessive sludge was present. Slight gallbladder polyps were noted. Occasional hyperechoic nodule was noted and is not pathological. The liver presented coarse architecture with mildly increased portal markings and subtle, mixed echogenic changes. This is consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. There was no overt suspicion of neoplasia.

INVOICE

95609

DATE

1/29/22



PATIENT

Gastrointestinal

Layla Kaplan

The **stomach** revealed retention of ingesta with a fluid filled lumen with partially digested kibble. The small intestines and colon were unremarkable.

SPECIES

Canine

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxiphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

BREED

Beagle Mix

SEX

Spayed Female

ULTRASONOGRAPHIC FINDINGS

Benign hepatopathy with minor remodeling.

AGE

9 years

Age related renal changes with slight pyelectasia.

WEIGHT

37.2 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Full urinary work-up would be warranted to assess for UTI, which may be complicating the renal presentation. The kidneys appear to have only minor degenerative changes; however, pyelectasia is present and may be owing to UTI. Other cause of acute renal insult should be investigated. 72-hour IV fluid protocol, blood pressure and urine culture are all indicated.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUS

IMAGING PERFORMED BY

Hudgins

HOSPITAL NAME

Petvax AH



REFERRING VET

Jacob



INVOICE

95609

DATE

1/29/22



PATIENT

Layla Kaplan

SPECIES

Canine

BREED

Beagle Mix

SEX

Spayed Female

AGE

9 years

WEIGHT

37.2 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Hudgins

HOSPITAL NAME

Petvaxx AH

REFERRING VET

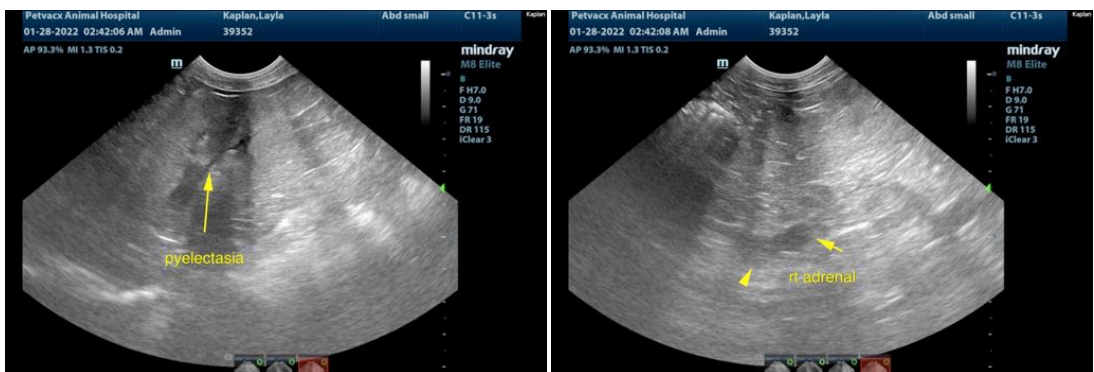
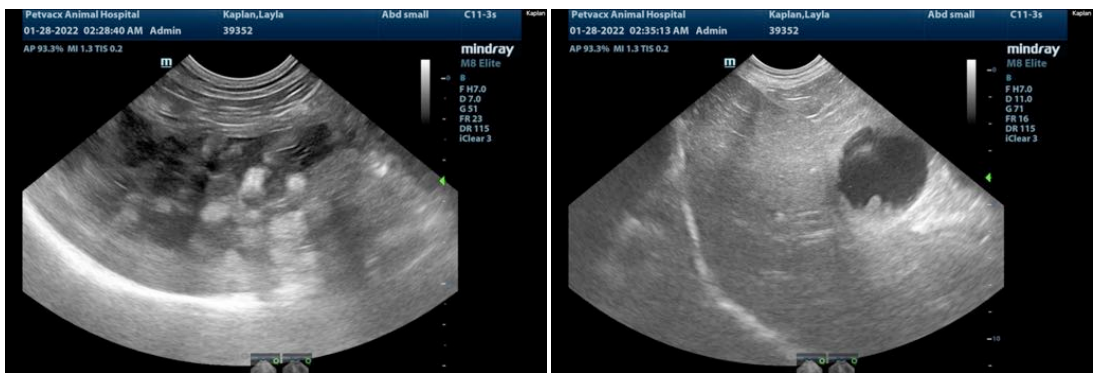
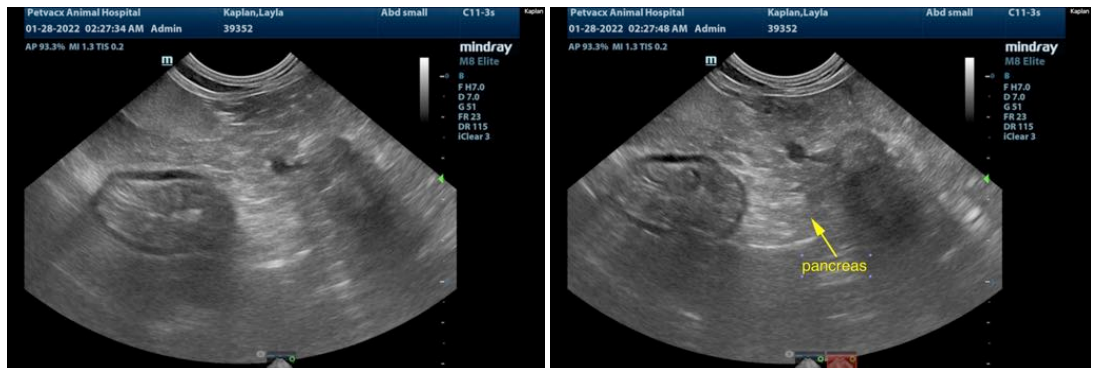
Jacob

INVOICE

95609

DATE

1/29/22



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