



PATIENT

Connor Mitchell

SPECIES

Canine

BREED

Mix

SEX

Neutered male

AGE

12 years

WEIGHT

17 lbs

PRESENTING CLINICAL SIGNS

History: Recheck GB debris, has been on Ursodiol 50mg BID
Abnormal PE/Chem/CBC/UA Results: ALP 2219,(recheck BW has not been performed since July 25) urine WNL USG 1.043

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 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 and no evidence of pelvic dilation was present. The left kidney measured 4.7 cm. The right kidney measured 3.5 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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. The right adrenal gland measured 1.85 x 0.73 cm at the cranial pole and 0.46 cm at the caudal pole. The left adrenal gland measured 2.3 x 0.58 cm at the cranial pole and 0.57 cm at the caudal pole.

IMAGING PERFORMED BY

Rebecca Hamilton

Spleen

The **spleen** revealed multi-focal, hyperechoic lipid plaques. There was a minor amount of remodeling otherwise. There was no evidence of significant pathology.

HOSPITAL NAME

North Jersey AH

REFERRING VET

Dr. Chiu

Liver

The **liver** revealed coarse architecture with a mild to moderate amount of remodeling. The gallbladder was slightly over distended with some striating bile. The gallbladder wall was slightly echogenic. Coalesced and suspended bile was noted. There are some aspects of mucocele formation are present, yet complete mucocele formation is not evident. On the prior exam it measured 4.0 x 2.8 cm.

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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. Soft stool was noted in the colon. 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. 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.

ULTRASONOGRAPHIC FINDINGS

Immature gallbladder mucocele.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The gallbladder presentation has improved in this patient. However, I recommend continuation with Ursodiol therapy long term.





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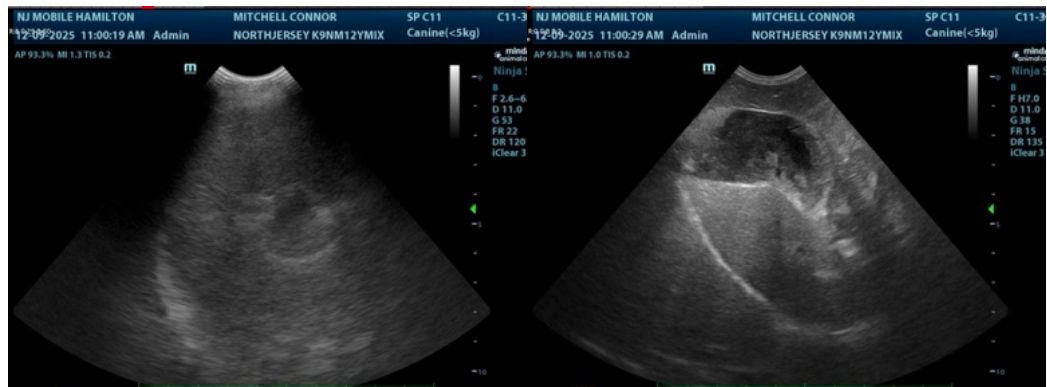
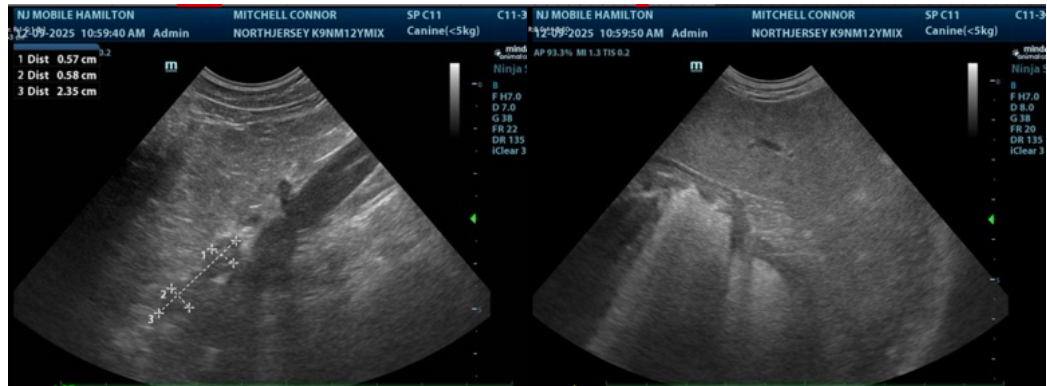
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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