



PATIENT

Molly Trimbach

SPECIES

Canine

BREED

Cocker Spaniel

SEX

Spayed Female

AGE

7 Years

WEIGHT

32.4 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Susanne Bush

HOSPITAL NAME

Great Miami VC

REFERRING VET

Dr. Susanne Bush

INVOICE

39182

DATE

6/30/22

PRESENTING CLINICAL SIGNS

Molly presents for abdominal ultrasound after trend of increasing ALP noted on annual blood work. She has chronic ear issues and is on chronic ear medication from Ohio State Dermatology (Enrofloxacin/dexamethasone in TrizEDTA solution). She also eats Royal Canin Hydrolyzed Protein diet but more recently is less interested in it. She has no increased drinking or urination at home and does pant sometimes but owner suspects more related to orthopedic disease (ACL injury). She is currently on Apoquel
Abnormal PE/Chem/CBC/UA Results: ALP 578 (6/17/22), 254 (10/29/21), 181 (6/17/21), other lab values unremarkable.

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 were noted. Ureteral papillae were normal. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

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 kidneys measured 6.0 cm each.

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 left adrenal gland measured 0.40 cm. The right adrenal gland measured 0.80 cm at the cranial pole and 0.60 cm at the caudal pole.

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 were noted.

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. Echogenic gallbladder wall. Teardrop appearance was largely maintained. However, some irregular contour was noted, suggestive for emerging mucocele. 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.

Gastrointestinal

A minor amount of non-shadowing, non-obstructive ingesta was noted in the **stomach**. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No



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evidence of pathology. Soft stool noted in the colon. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

Pancreas

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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.

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PRIMARY FINDINGS

- Emerging gallbladder mucocele
- Benign hepatopathy with minor remodeling

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SECONDARY FINDINGS

- Gastric ingesta

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

7 Years

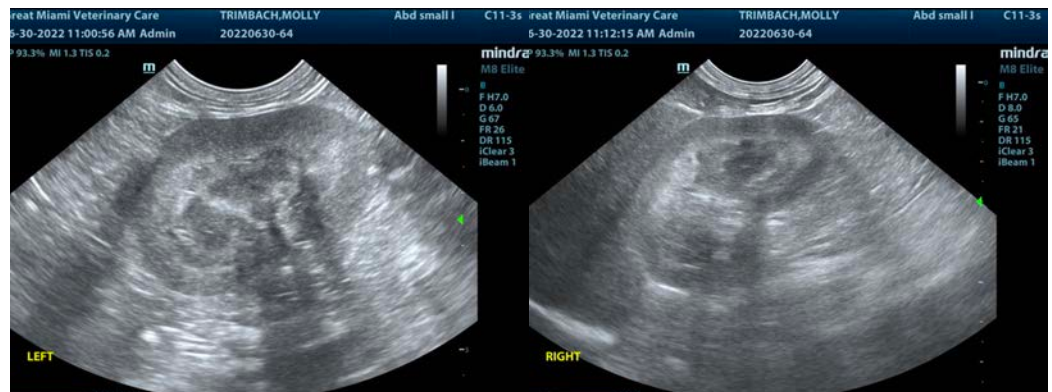
FNA of the liver could be considered for further definition. Ursodiol recommended over the next 6-8 weeks and recheck sonogram.

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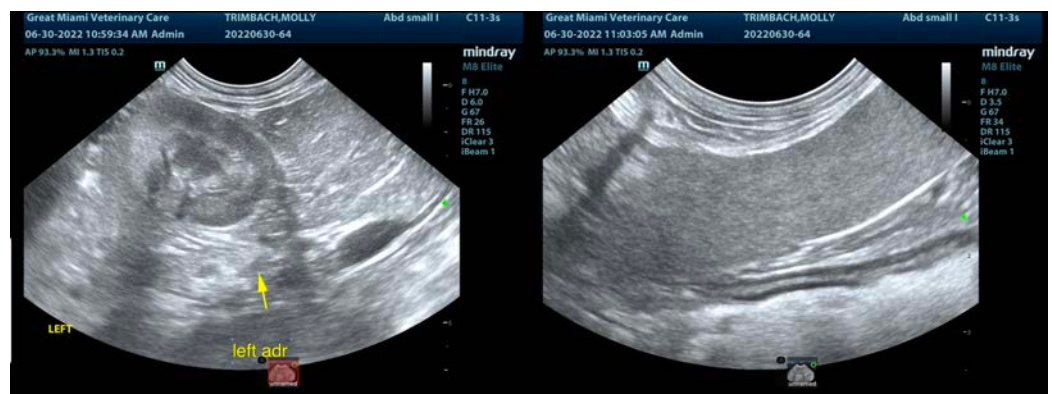


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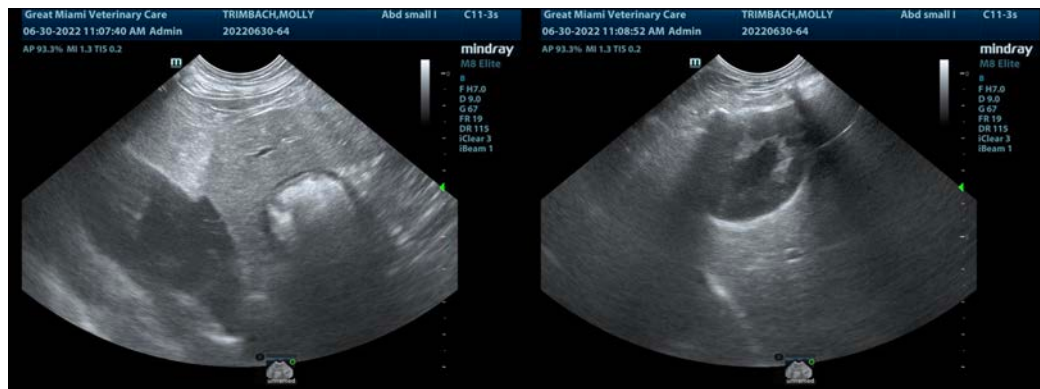
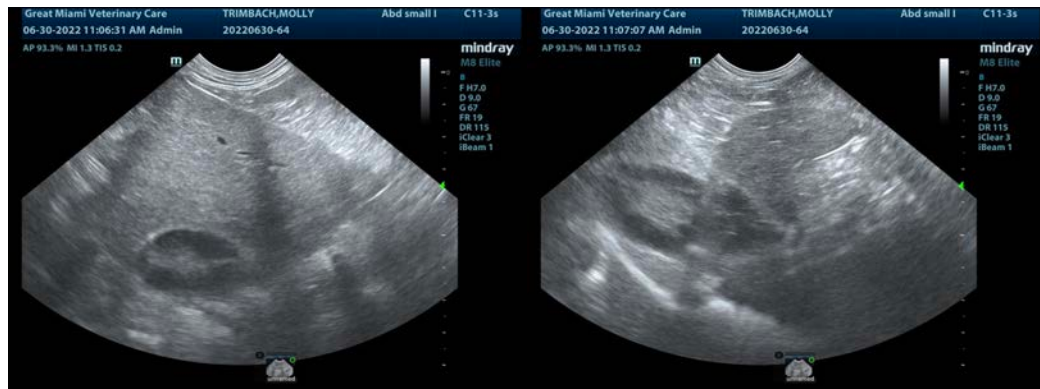
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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

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