



PATIENT

Katy Moran

SPECIES

Canine

BREED

Great Pyrenees

SEX

Female

AGE

13 Years

WEIGHT

32.8 kg

INTERPRETED BY

Eric Lindquist, DMV,
DABVP(CFM), Cert.
IVUSS

IMAGING PERFORMED BY

Dr. Christina Karkanis

HOSPITAL NAME

Bay City Animal
Hospital

REFERRING VET

Dr. Christina Karkanis

INVOICE

16330

DATE

06/04/26

PRESENTING CLINICAL SIGNS

24 hour history of vomiting, diarrhea and inappetence, previous history of chronic elevated ALT, has not been worked up as per owner's wishes

PE - arthritic pain, mild abdominal discomfort with palpation, no fever or dehydration CBC - mild lymphopenia Profile - ALT 183 similar to previous bloodwork cPL normal

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra to a depth of 1.0 cm 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 **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. Slight mineralizations were present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 5.3 cm in length. The right kidney measured 6.0 cm in length.

Adrenal Glands

The regions of the **adrenal glands** were imaged with no evident pathology.

Spleen

The **spleen** presented mildly enlarged with subtle micronodular changes. The spleen was folded upon itself cranially.

Liver

The **liver** revealed multifocal hypoechoic nodular changes and mild increased portal markings. The gallbladder and common bile duct were unremarkable with minor gallbladder wall echogenicity.

Gastrointestinal

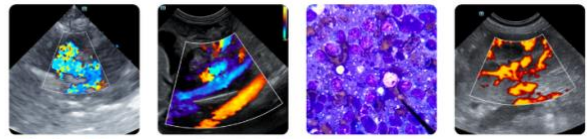
Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt 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. 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

- Nodular hyperplasia liver pattern- potential underlying neoplasia, low-grade inflammatory hepatopathy.



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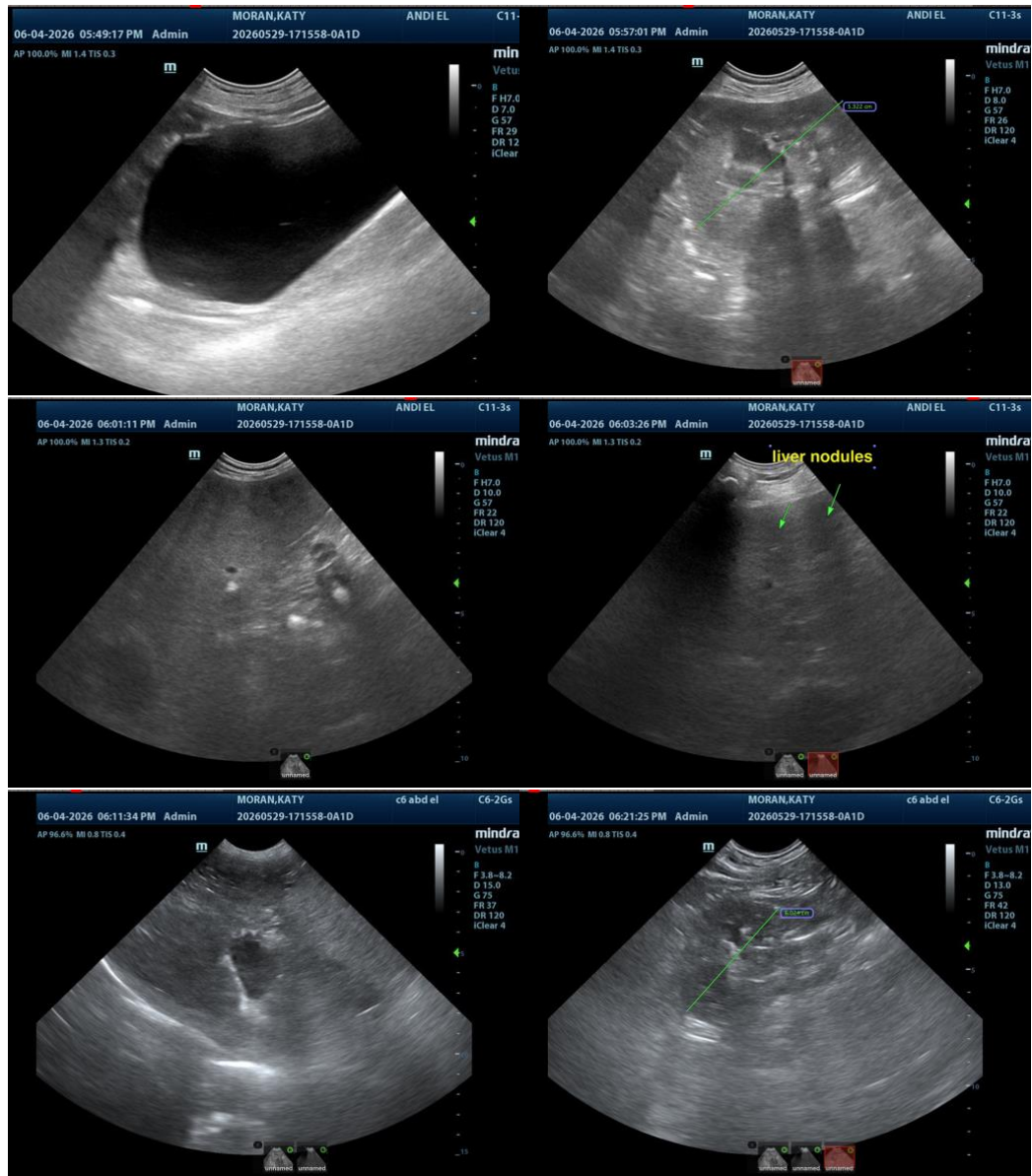
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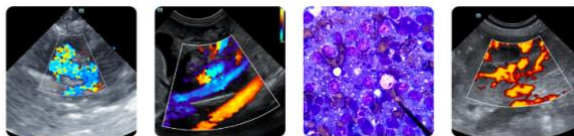
- Renal mineralizations.
- Structurally unremarkable abdomen otherwise.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the spleen and liver is indicated. The regions of the adrenal glands were imaged, however, not overtly visualized. Screening for underlying Addison's is indicated. Even though the patient is geriatric in age, Addison's can still be an issue. Baseline cortisol and/or ACTH stimulation is indicated.



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



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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(CFM), Cert. IVUSS,

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