



PATIENT PRESENTING CLINICAL SIGNS

Ralph Dewar Screening for cancer and granulomatous disease prior to starting treatment with Azathioprine for suspected immune condition. Has been on Tobradex, Vanectyl P tabs and Hepatosupport.

SPECIES Abnormal PE/Chem/CBC/UA Results: No recent bloodwork but panel and U/A being done today. Results pending.

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED *Urinary System*

Lhasa Apso The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

SEX

MN

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was mildly increased. No pyelectasia. A caudal right kidney cortical cyst was present. The left kidney measured 4.6 cm in length. The right kidney measured 5.5 cm in length.

AGE

11yr

The area of the iliac trifurcation was free of pathology including no evidence of medial, iliac or sublumbar lymphadenopathy or masses.

WEIGHT

10.3kg

The area of the residual prostate appeared normal and free of pathology.

Adrenal Glands

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 0.33 cm width in the caudal pole. The right adrenal gland measured 0.62 cm width in the caudal pole.

Spleen

IMAGING PERFORMED BY

Crystal Hill

The spleen exhibited primarily finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Multifocal, well-defined, symmetrical, hyperechoic nodules were present throughout the cranial to caudal parenchyma, an example measuring 0.70 cm in diameter. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory or neoplastic changes were not noted. The hyperechoic nodules tend to trend benign and are most consistent with benign hyperplasia or myelolipomas.

HOSPITAL NAME

Sixteen Mile VC

Liver/Gallbladder

REFERRING VET

Gibbs

The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was mildly remodeled with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. A solitary non-homogenous to mildly cystic mass lesion was present in the mid to deep mid liver adjacent to the gallbladder measuring ~ 4.0 cm in diameter. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content and mild non-organized debris. The cystic and common bile ducts were normal.

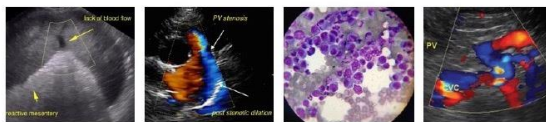
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DATE

07/17/2023

Gastrointestinal



PATIENT

Ralph Dewar

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

SPECIES

Canine

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

Normal visible colon wall layers were present with apparent formed feces in lumen.

Pancreas

BREED

Lhasa Apso

The pancreas base and right pancreatic limb was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

Free Abdomen

SEX

MN

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

AGE

11yr

ULTRASONOGRAPHIC FINDINGS

WEIGHT

10.3kg

- Mild age related renal changes with right kidney cortical cyst.
- Benign splenic nodules-consistent with benign myelolipomas.
- Non-homogenous mildly cystic intraparenchymal liver mass lesion- benign etiologies such as cyst adenoma, hyperplasia, hematopoiesis, neoplasia possible.
- Gallbladder debris (non-mucocele).
- Pancreatic remodeling.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

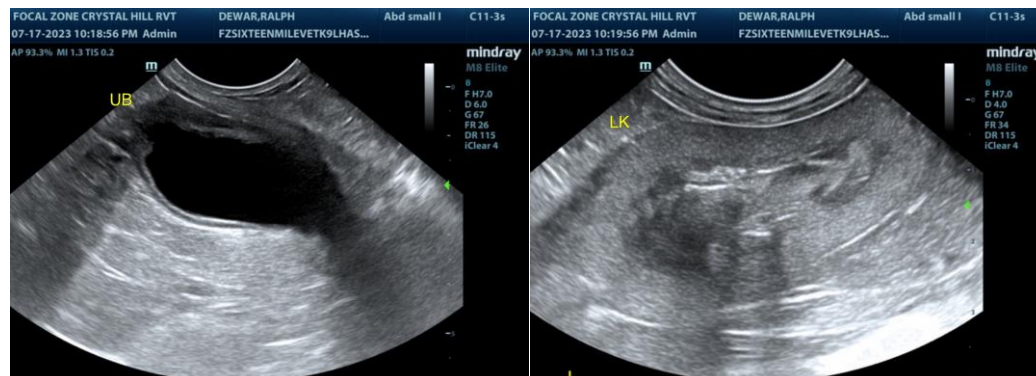
Largely a geriatric abdomen with only potential concern for the non-homogenous to cystic benign vs malignant hepatic mass lesion. Assuming normal clotting status and using a 25g needle, a hepatic mass lesion FNA for screening cytology could be considered for further assessment. Sonographic monitoring of the mass lesion for evidence of progression with initial recheck in 4-6 weeks would be reasonable. Correlation with pending lab work and UA is recommended.

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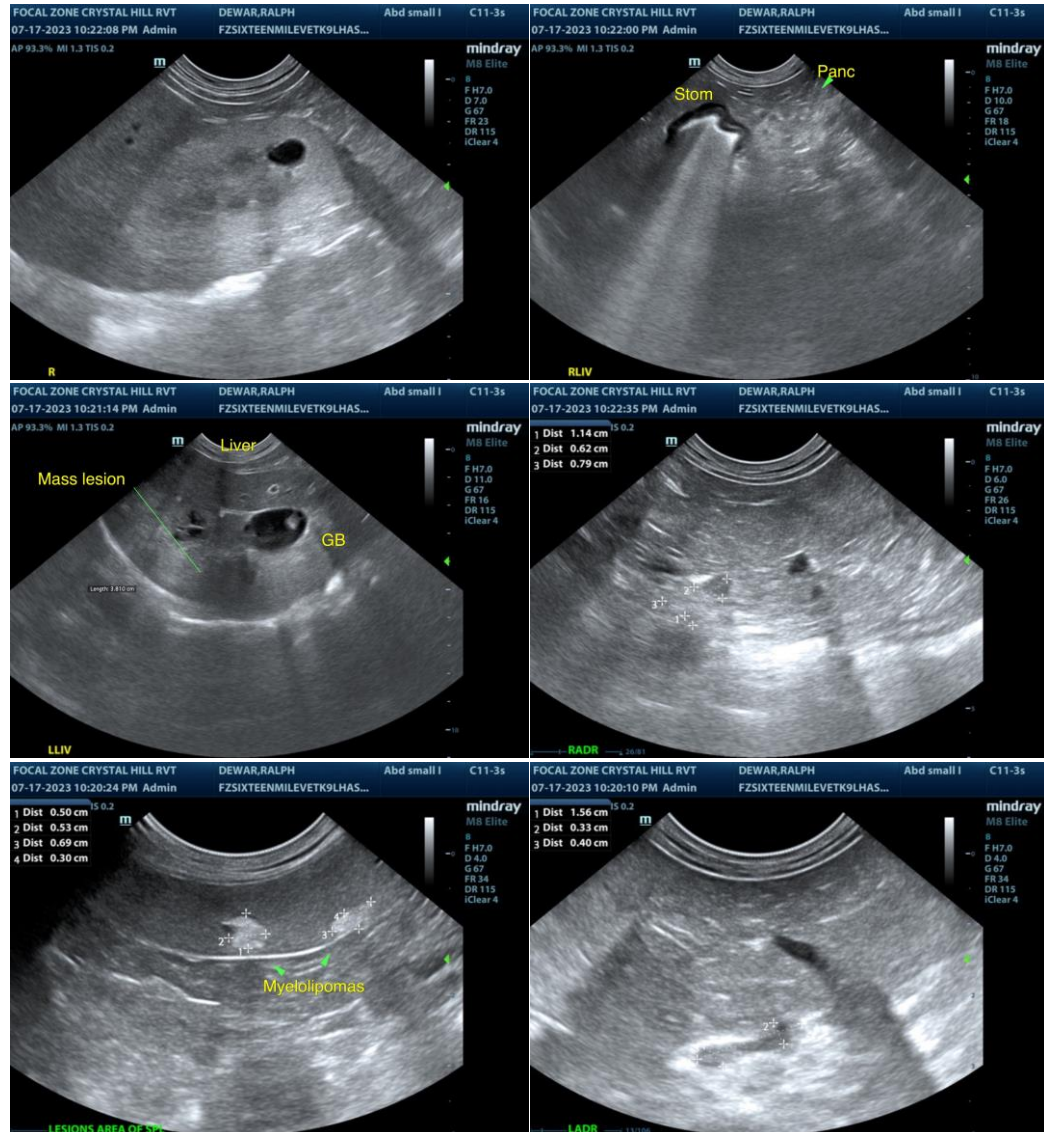
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

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