



PATIENT

Toby Matheson

SPECIES

Canine

BREED

Maltese

SEX

MN

AGE

12yr

WEIGHT

4.94kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Barnes

HOSPITAL NAME

Westview Veterinary
Hospital

REFERRING VET

Dr. Barnes

INVOICE

13505ag

DATE

04/17/2023

PRESENTING CLINICAL SIGNS

Has a large mass >5.2 cm in the left to mid liver On last AUS April 3, 2023 A new smaller cavitated mass was seen in the left liver. There was a small amount of ascites at that time that was noted. Owners have declined surgical treatment. R/C the AUS for assessment of ascites

Abnormal PE/Chem/CBC/UA Results: Repeat AUS, No blood or xrays today

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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 a small non-obstructive cystic calculus. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Mild dystrophic medullary mineral and cortical infarcts were present bilaterally. A cortical cyst was present in the left kidney. The left kidney measured 4.7 cm in length. The right kidney measured 4.5 cm in length.

The area of the aortic trifurcation was free of pathology.

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

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.35 cm width at the caudal pole and 0.43 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.52 cm width at the caudal pole and 0.39 cm width at the cranial pole.

Spleen

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 1.0 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.

Liver/Gallbladder

The liver exhibited generalized enlargement with asymmetrical capsule contour. Moderate generalized non-homogenous parenchyma exhibiting remodeling was present. Previously noted spherical mixed echogenic mid to left caudal mass measuring ~ 5.7 cm in diameter was present. Concurrent previously noted indistinct to nodular separate mass was present in the caudoventral left liver measuring ~ 3-4 cm in diameter. Mild associated capsule distortion was present with the smaller mass without evidence of capsular escape. The hepatic and portal vasculature were normal in appearance without signs of congestion.



PATIENT

Toby Matheson

The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with non-organized echogenic debris. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.

SPECIES

Canine

Gastrointestinal

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.

BREED

Maltese

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.

SEX

MN

Pancreas

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

AGE

12yr

Free Abdomen

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

WEIGHT

4.94kg

ULTRASONOGRAPHIC FINDINGS

- Non-homogenous irregular hepatomegaly with previously noted overtly static liver masses.
- Gallbladder debris (non-mucocele).
- Benign splenic nodules-consistent with myelolipomas or emerging mineralization.
- Static chronic renal changes.
- Statis small cystic calculus/calculi.
- No current evidence of peritoneal effusion/ascites.

INTERPRETED BY

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

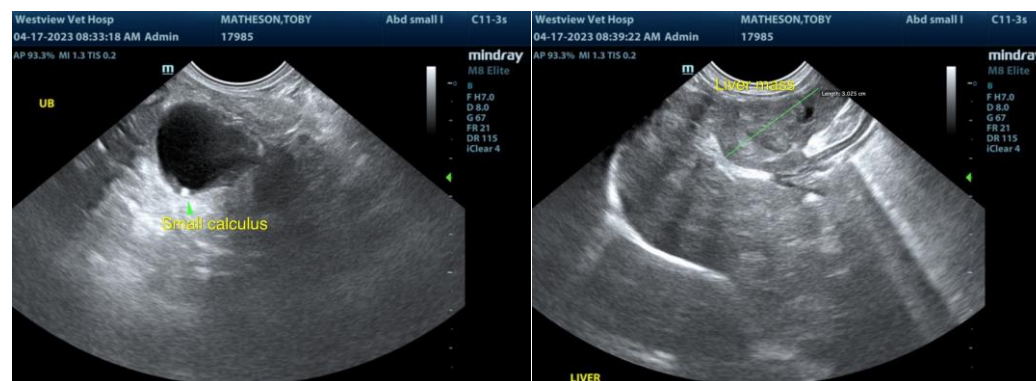
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Assuming normal clotting status a hepatic mass and hepatic parenchyma FNA for screening cytology is warranted for further assessment if not done. Sonographic monitoring of the liver masses +/- hepatosupportive medications would be reasonable.

Dr. Barnes

HOSPITAL NAME

Westview Veterinary
Hospital



REFERRING VET

Dr. Barnes

INVOICE

13505ag

DATE

04/17/2023



PATIENT

Toby Matheson

SPECIES

Canine

BREED

Maltese

SEX

MN

AGE

12yr

WEIGHT

4.94kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Barnes

HOSPITAL NAME

Westview Veterinary
Hospital

REFERRING VET

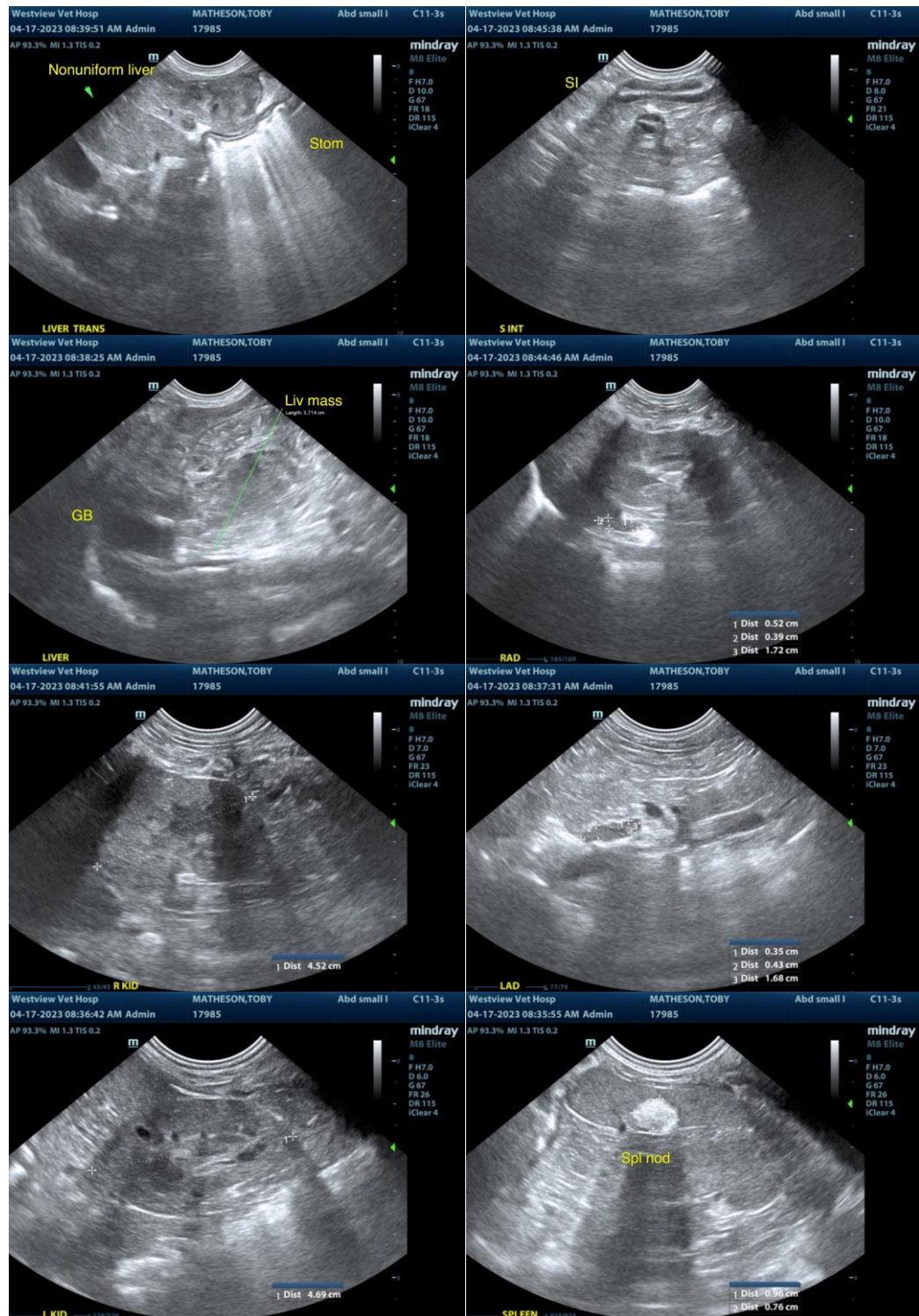
Dr. Barnes

INVOICE

13505ag

DATE

04/17/2023



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



PATIENT

can be of any further assistance, please contact me.

Toby Matheson

SPECIES

Canine

BREED

Maltese

SEX

MN

AGE

12yr

WEIGHT

4.94kg

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Barnes

HOSPITAL NAME

Westview Veterinary
Hospital

REFERRING VET

Dr. Barnes

INVOICE

13505ag

DATE

04/17/2023