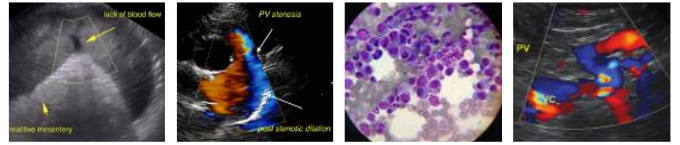




| | |
|--|---|
| PATIENT | PRESENTING CLINICAL SIGNS |
| Kipper McPherson | Mild Elevation of liver enzymes on wellness exam Abnormal PE/Chem/CBC/UA Results: Mild elevation of liver enzymes. |
| SPECIES | |
| Canine | ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN |
| BREED | <i>Urinary System</i> |
| Maltese X | The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 cm exhibited normal thickness and tone. Mild asymmetrical luminal surface to micropolypliod changes were present likely associated with age related mural changes. 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 | |
| AGE | The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture measuring 0.8 cm in diameter. |
| 11 | The area of the aortic trifurcation was free of pathology. |
| WEIGHT | |
| 3.8 kg | 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. Pinpoint to minor medullary mineral was present. The left kidney measured 3.7 cm in length. The right kidney measured 3.3 cm in length. |
| INTERPRETED BY | <i>Adrenal Glands</i> |
| R. McKenzie Daniel, DVM, DABVP (Canine and Feline) | The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.52 cm width at the caudal pole and 0.37 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 0.33 cm width at the caudal pole. |
| IMAGING PERFORMED BY | <i>Spleen</i> |
| Dr. Belan | The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease. |
| HOSPITAL NAME | <i>Liver/ Gallbladder</i> |
| South Pointe VC | 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 uniform with a mildly coarse echotexture. Intermittent discrete non-disruptive nodules were present, an example measuring 0.4 cm in diameter. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with moderate inspissated variably hyperechoic debris. The cystic and common bile ducts were normal. |
| REFERRING VET | |
| Dr. James | <i>Gastrointestinal</i> |
| INVOICE | |
| 13178ag | |
| DATE | |
| 3/14/23 | |



PATIENT
Kipper McPherson

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.

BREED

Maltese X

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

Pancreas

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum, likely consistent with age related changes and considered incidental. No signs of active inflammation or neoplasia.

SEX

MN

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

AGE

11

ULTRASONOGRAPHIC FINDINGS

Primary Findings

WEIGHT

3.8 kg

- Low-grade hepatopathy with non-homogenous / nodular parenchyma-subjectively benign, vacuolar hepatopathy, inflammatory mediated disease, hematopoiesis, hyperplasia, mild fibrosis or other hepatopathy possible. Neoplastic criteria considered unlikely.
- Consolidated gallbladder debris-possible early non-inflamed mucocele.
- Heterogenous pancreas-consistent with age-related pancreatic changes and benign remodeling, likely incidental, low-grade pancreatitis possible if previous or current clinical signs are present.
- Bilateral chronic renal changes.

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given reported mild hepatic enzyme elevation without evidence of significant hepatobiliary pathology, hepatosupportive medications such as Denamarin and Ursodiol with assessment of hepatic response would be reasonable. Recheck hepatobiliary sonogram if persistent/progressive hepatic enzyme elevations and cholestasis +/- screening hepatic FNA cytology recommended.

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

South Pointe VC

REFERRING VET

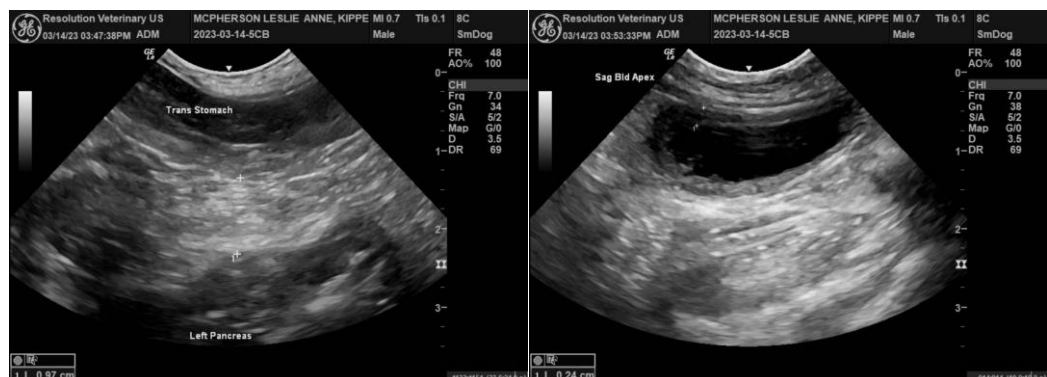
Dr. James

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PATIENT

Kipper McPherson

SPECIES

Canine

BREED

Maltese X

SEX

MN

AGE

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WEIGHT

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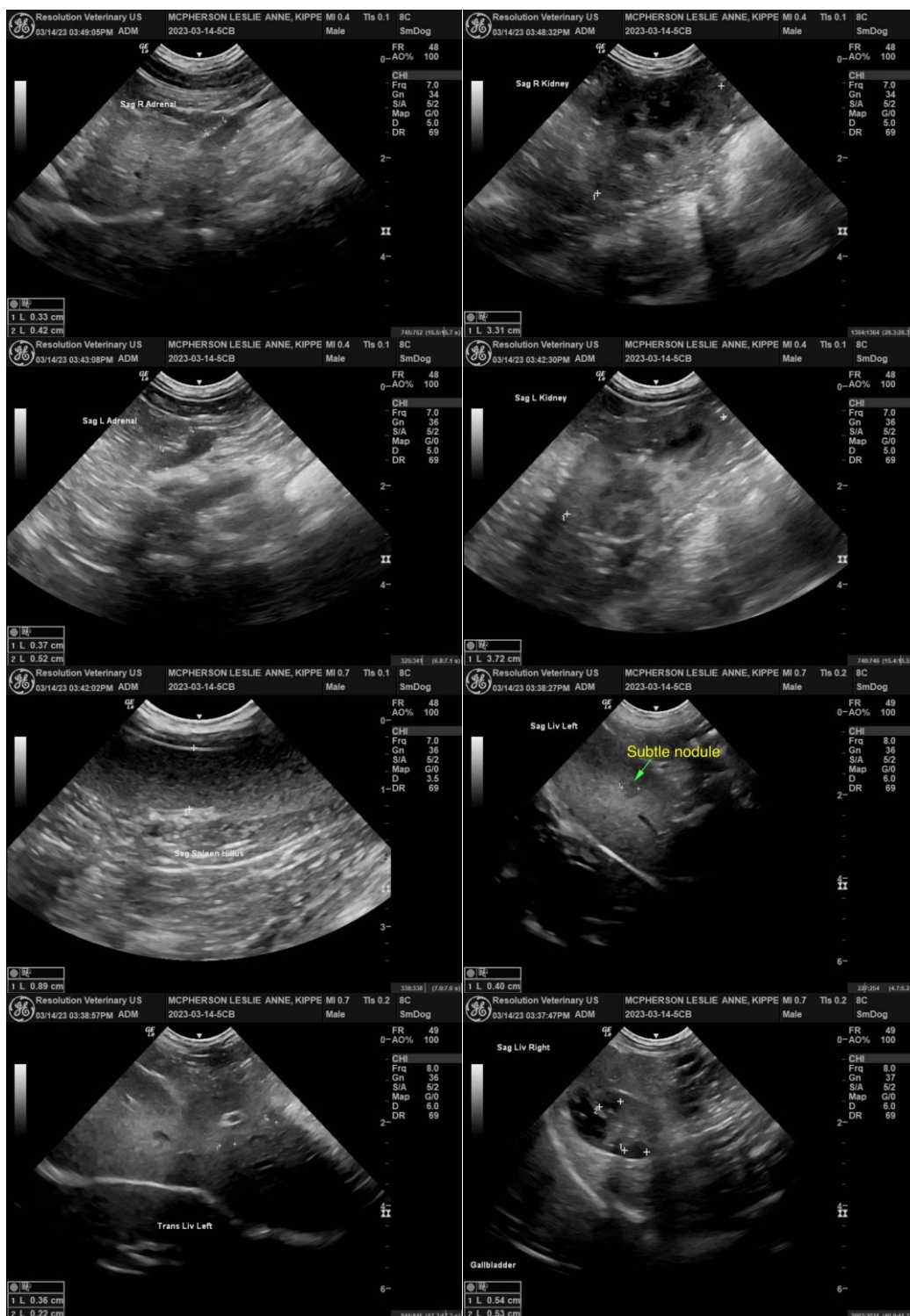
Dr. James

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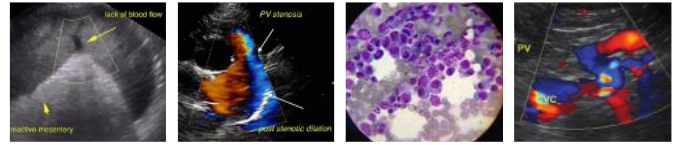
DATE

3/14/23



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.



PATIENT

Kipper McPherson

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com

SPECIES

Canine

BREED

Maltese X

SEX

MN

AGE

11

WEIGHT

3.8 kg

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Belan

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