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|--|---|
| PATIENT | PRESENTING CLINICAL SIGNS |
| Karma Easterhoff | elevated liver values on senior wellness bloodwork has been taking Rx denamarin since 1 month ago |
| SPECIES | Doing well at home, no concerns |
| Canine | ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN |
| BREED | Urinary System |
| Terrier Mix | The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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 | |
| FS | 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 mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 4.9 cm in length. The right kidney measured 5.5 cm in length. |
| AGE | |
| 12yr | The area of the aortic trifurcation was free of pathology. |
| WEIGHT | Adrenal Glands |
| 15.7kg | The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.46 cm width at the caudal pole and 0.52 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. |
| INTERPRETED BY | Spleen |
| R. McKenzie Daniel, DVM, DABVP (Canine and Feline) | The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. 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, neoplastic, or benign parenchyma changes were not noted. |
| IMAGING PERFORMED BY | Liver/Gallbladder |
| Dr. Wepprich | The liver presented mildly 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. 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 primarily anechoic luminal content and hyperechoic non-organized debris along the inner luminal wall and gallbladder neck. The cystic and common bile ducts were normal. |
| HOSPITAL NAME | |
| Wilvet Salem | |
| REFERRING VET | |
| Dr. Wepprich | |
| INVOICE | Gastrointestinal |
| 12890ag | The stomach presented mild wall thickening secondary to echogenic mucosa hypertrophy. Intact wall layering was maintained and distinct. Mild gastric distension with primarily anechoic fluid was present. |
| DATE | |
| 02/05/2023 | 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. |



PATIENT

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

Karma Easterhoff

Pancreas

SPECIES

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.

Canine

Free Abdomen

BREED

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

Terrier Mix

ULTRASONOGRAPHIC FINDINGS

SEX

- Benign hepatopathy-suggestive of vacuolar hepatopathy pattern
- Mild possibly mineralizing gallbladder debris (non-mucocele)
- Possible mild gastritis/gastric hypomotility
- Minor pancreatic remodeling-patient/ age variant, remodeling owing to previous inflammatory episode or mild to chronic pancreatitis possible

FS

AGE

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

12yr

Assuming normal clotting status a hepatic FNA for screening cytology could be considered for further assessment primarily to identify evidence of inflammatory cells or hepatic antigenic stimulation. A spec cPL could be considered if previous or current clinical signs suggestive of pancreatitis are present. As needed gastroprotectants suggested if clinical signs of gastritis are present although the mild retained gastric fluid may be incidental. Continued hepatosupportive medications +/- hepatic or hydrolyzed diet may prove beneficial.

WEIGHT

15.7kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Weprich

HOSPITAL NAME

Wilvet Salem

REFERRING VET

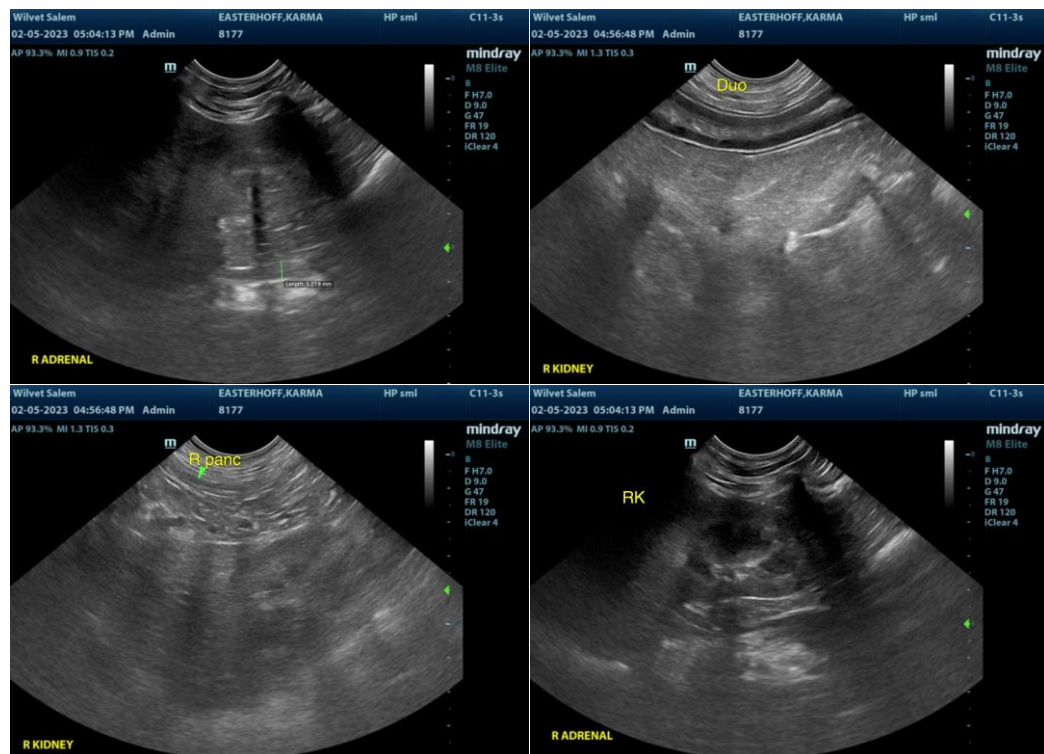
Dr. Weprich

INVOICE

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DATE

02/05/2023





PATIENT

Karma Easterhoff

SPECIES

Canine

BREED

Terrier Mix

SEX

FS

AGE

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WEIGHT

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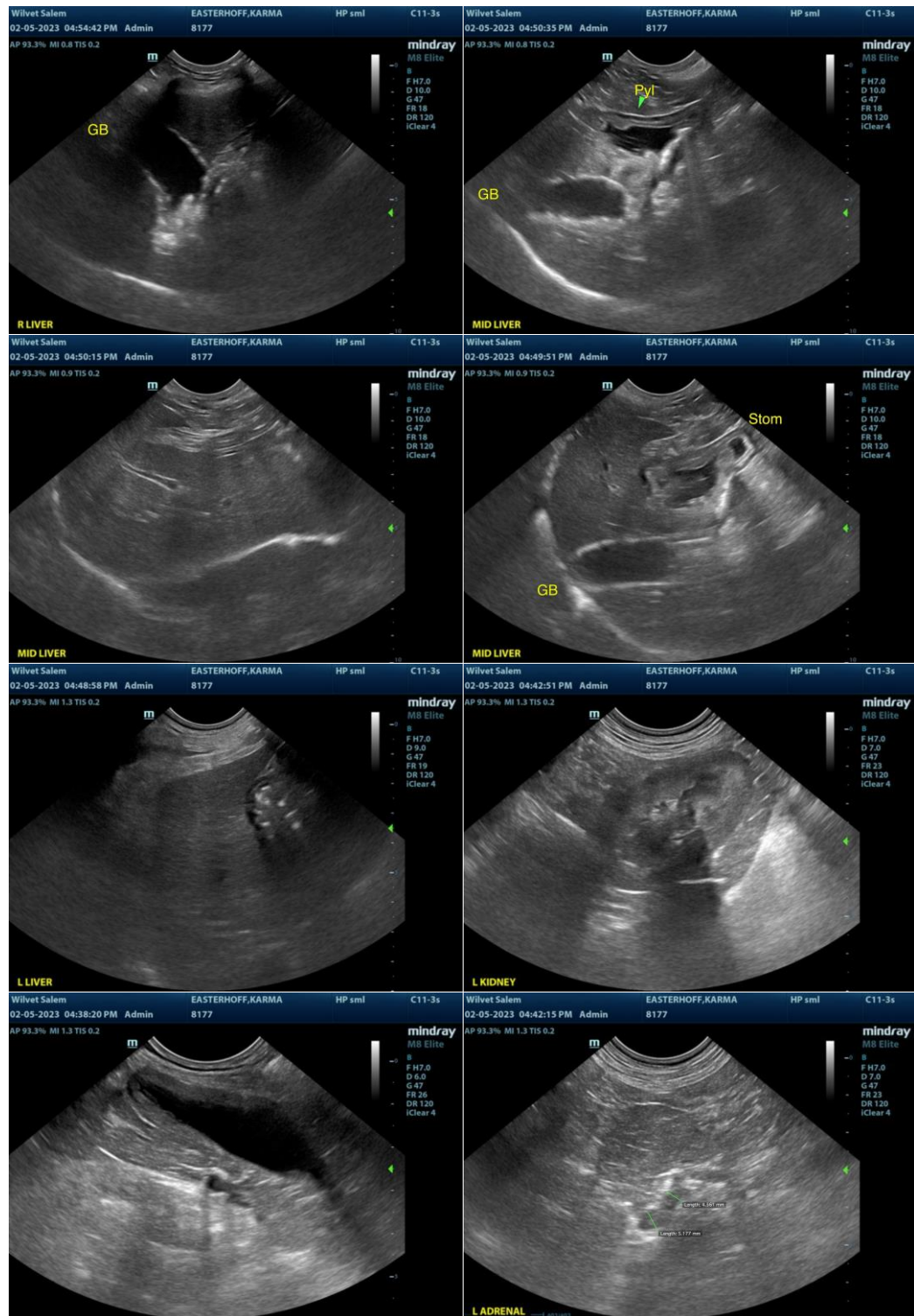
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I



PATIENT

can be of any further assistance, please contact me.

Karma Easterhoff

SPECIES

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)
mac.daniel@sonopath.com

Canine

BREED

Terrier Mix

SEX

FS

AGE

12yr

WEIGHT

15.7kg

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