



PATIENT

Oscar Fillmore

PRESENTING CLINICAL SIGNS

History: Bloodwork indicated elevated liver values. Recommended US

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Cavalier

The urinary bladder is moderately distended with anechoic urine, and luminal sediment is not present. The bladder wall is diffusely thickened and there are irregularities to the mucosal surface. The ureteral papillae, trigone and pelvic urethra are of normal appearance, and the ureters are not visible (normal). No masses or calculi are noted. Urethra visualized to (3.0) cm

SEX

Male

The prostate is of appropriate size for patient age and neutering status, with a homogenous parenchyma and smooth capsule. The prostatic urethra is non-dilated with normal margins.

AGE

10 years

The kidneys are of normal size and shape and exhibit appropriate corticomedullary differentiation with a normal 1:3 cortex to medulla ratio. There is no evidence of nephrolithiasis, mineralization, pyelectasia, cystic change or hydronephrosis. The proximal ureter is not visible (normal). The left kidney is (5.9) cm in length. The right kidney is (4.9) cm in length.

WEIGHT

17.2 lbs

Adrenal Glands

The adrenal glands are both identified in their normal locations. They are normal in size and shape with appropriate parenchymal echogenicity and normal phrenic vasculature. The left adrenal gland height is (6.4) mm at the cranial pole and (6.0) mm at the caudal pole. The right adrenal gland height is (5.3) mm at the cranial pole and (4.8) mm at the caudal pole.

INTERPRETED BY

Tam Mengine, DVM,
DABVP (canine/feline
practice)

Spleen

The spleen is of appropriate size and has a normal, homogenous parenchyma with a smooth, continuous capsular surface. The splenic vasculature is normal with no evidence of congestion or thrombosis, and blood flow through the splenic hilus appears normal.

IMAGING PERFORMED BY

A Waffle

HOSPITAL NAME

Torch Lake VC

Liver

The liver is of appropriate size and shape, with sharp borders and diffuse, pinpoint mineralization throughout the parenchyma. The portal and hepatic vasculature are of normal size and appearance with no evidence of congestion or thrombosis.

REFERRING VET

Dr. Ackler

The gallbladder is moderately distended with anechoic contents and a small amount of freely-moveable echogenic sludge. The wall was thin and continuous with no focal lesions. The cystic and common bile ducts are normal / not visible.

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DATE

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Gastrointestinal

The stomach is moderately distended with gas. The gastric wall is (4.4) mm with normal deviations due to rugal folds, and exhibits appropriate wall layering. The pylorus is of normal appearance.

SPECIES

Canine

The visualized portions of the duodenum, jejunum, and ileum are of normal thickness with intact wall layering that exhibits the appropriate 1:3 muscularis to mucosa ratio. The duodenal wall measures (3.6) mm. The jejunal wall measures up to (2.5) mm. Intestinal motility appears normal.

BREED

Cavalier

The visible portions of the colon are of normal thickness, up to (1.1) mm, with intact wall layering. The ileocecal junction is visualized and appears normal.

SEX

Male

Pancreas

The areas of the limbs and body of the pancreas are isoechoic to the surrounding mesenteric fat, with normal capsular appearance. There is no evidence of peripancreatic inflammation. The pancreatic duct appears normal.

AGE

10 years

Free Abdomen

There is no evidence of free fluid within the peritoneal cavity. The omentum and intra-abdominal fat are of appropriate echogenicity. Enlarged abdominal lymph nodes are not observed. The aortic trifurcation has normal blood flow with no evidence of thrombosis.

WEIGHT

17.2 lbs

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ULTRASONOGRAPHIC FINDINGS

PRIMARY FINDINGS:

- Diffuse pinpoint mineralization of the liver parenchyma.

SECONDARY FINDINGS:

- Mildly thickened bladder wall.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The mineralization seen throughout the liver is commonly associated with endocrine disease. Screening for hyperadrenocorticism with a urine cortisol to creatinine ratio or low dose Dexamethasone suppression test are recommended only if signs of Cushing's disease are present. Ruling out elevated triglycerides are recommended if not already performed on a fasted sample. Thyroid screening is recommended if not already performed.

REFERRING VET

Dr. Ackler

The thickening of the bladder wall is mild, but may indicate cystitis. A urinalysis is recommended if not already performed.

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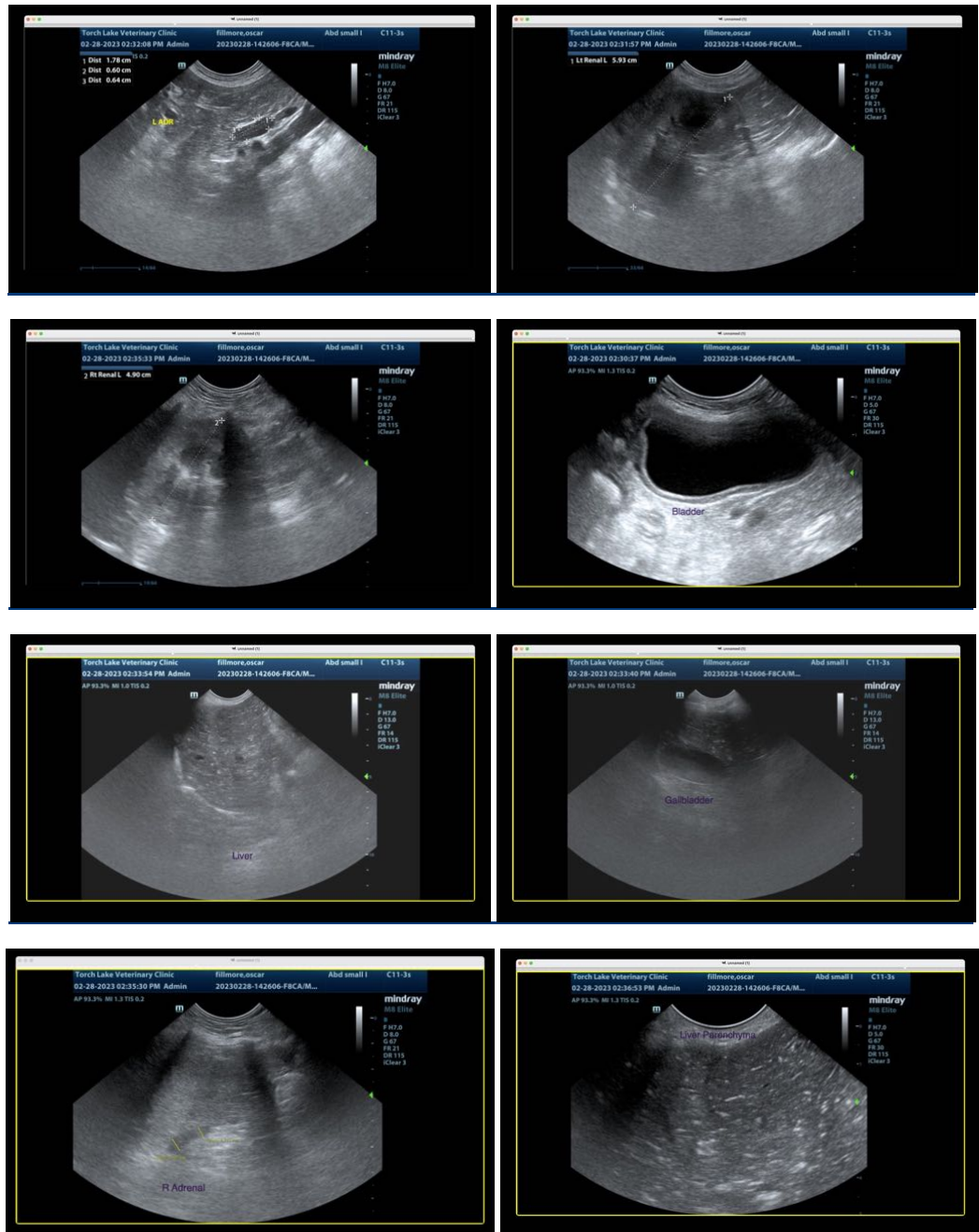
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.



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