



PATIENT PRESENTING CLINICAL SIGNS

Willow O'Keefe Recheck AUS. Prior study 7/24/22 (R. McKenzie Daniel, DVM, DABVP). Findings: 1) Minor urinary bladder mineral, 2) mild chronic renal change, 3) Hepatopathy with mixed echogenic mass (5cm) 4) Moderate GB debris (non-mucocele). Elevated liver enzymes despite tx. with Denamarin. History hypothyroidism.

SPECIES

Canine Current medications: 1) Soloxine .1: 1 1/2 am 1 pm. 2) Apoquel 5.4 SID 3) Denamarin sm-med 1/2 SID Ursodial 300 mg 1/4 Q 24.

BREED

Abnormal PE/Chem/CBC/UA Results: Alk P 759, GGTP 30

Chihuahua Mix

ULTRASONOGRAPHIC RECHECK EXAMINATION OF THE ABDOMEN

SEX

Urinary System

FS

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 previously noted minor pinpoint dependent mineral/sand. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

AGE

11yr

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.

WEIGHT

17.4lb

Bilateral pinpoint medullary mineral and mild bilateral pyelectasia were present. The left kidney measured 4.9 cm in length. The right kidney measured 4.8 cm in length.

The area of the aortic trifurcation was free of pathology.

INTERPRETED BY

Adrenal Glands

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 0.58 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 0.49 cm width at the caudal pole and 0.41 cm width at the cranial pole.

IMAGING PERFORMED BY

Spleen

Pamela Harrigan, RDMS

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.

HOSPITAL NAME

Pine Banks Animal Hospital

REFERRING VET

Liver/Gallbladder

Dr. Syed

The liver exhibited overall mild generalized enlargement with symmetrical capsule contour and normal parenchyma echogenicity and moderate coarse echotexture/parenchymal remodeling. Previously noted overall static ventrocaudal mixed echogenic mass extending into the area of the cranial to mid abdomen past the level of the gastric axis was present measuring ~ 5-5.0 cm in diameter. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with moderate congealed non-dependent non-organized mixed echogenic luminal debris. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.

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DATE

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Gastrointestinal



PATIENT

Willow O'Keefe

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.

BREED

Chihuahua Mix

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

FS

Free Abdomen

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

AGE

11yr

ULTRASONOGRAPHIC FINDINGS

- Chronic hepatopathy exhibiting parenchymal remodeling, previously noted overall static mixed echogenic ventrocaudal mass extending caudally into the cranial/mid abdomen
- Moderate gallbladder debris (non-mucocele)
- Static chronic renal changes exhibiting pinpoint medullary mineral and minor pyelectasia
- Static minor dependent urinary bladder mineral/sand

WEIGHT

17.4lb

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overall, a similar presentation to the previous study without evidence of progressive previously noted sonographic abnormalities or progressive liver mass. Continued hepatosupportive medications would be reasonable. Pending results of previous FNA cytology, a recheck FNA of the liver mass may be considered. A core biopsy is likely required for a definitive diagnosis. Subjectively the mass appears to be amendable to surgical resection if surgery is a potential in this case.

INTERPRETED BY

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

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

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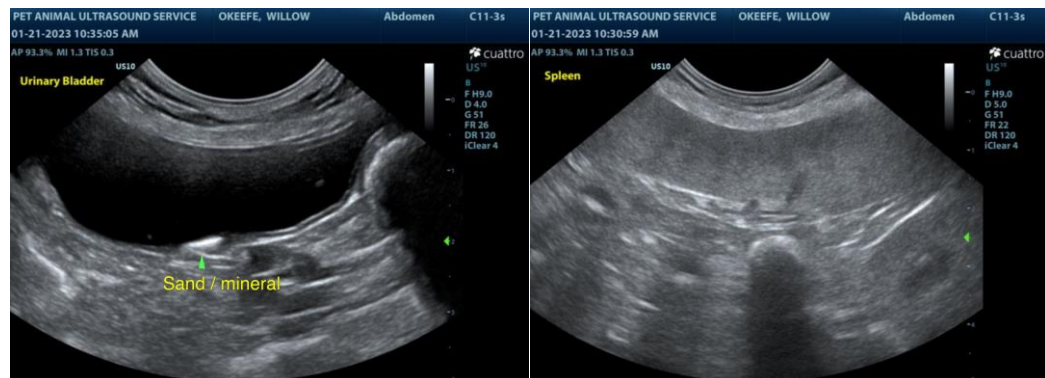
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SPECIES

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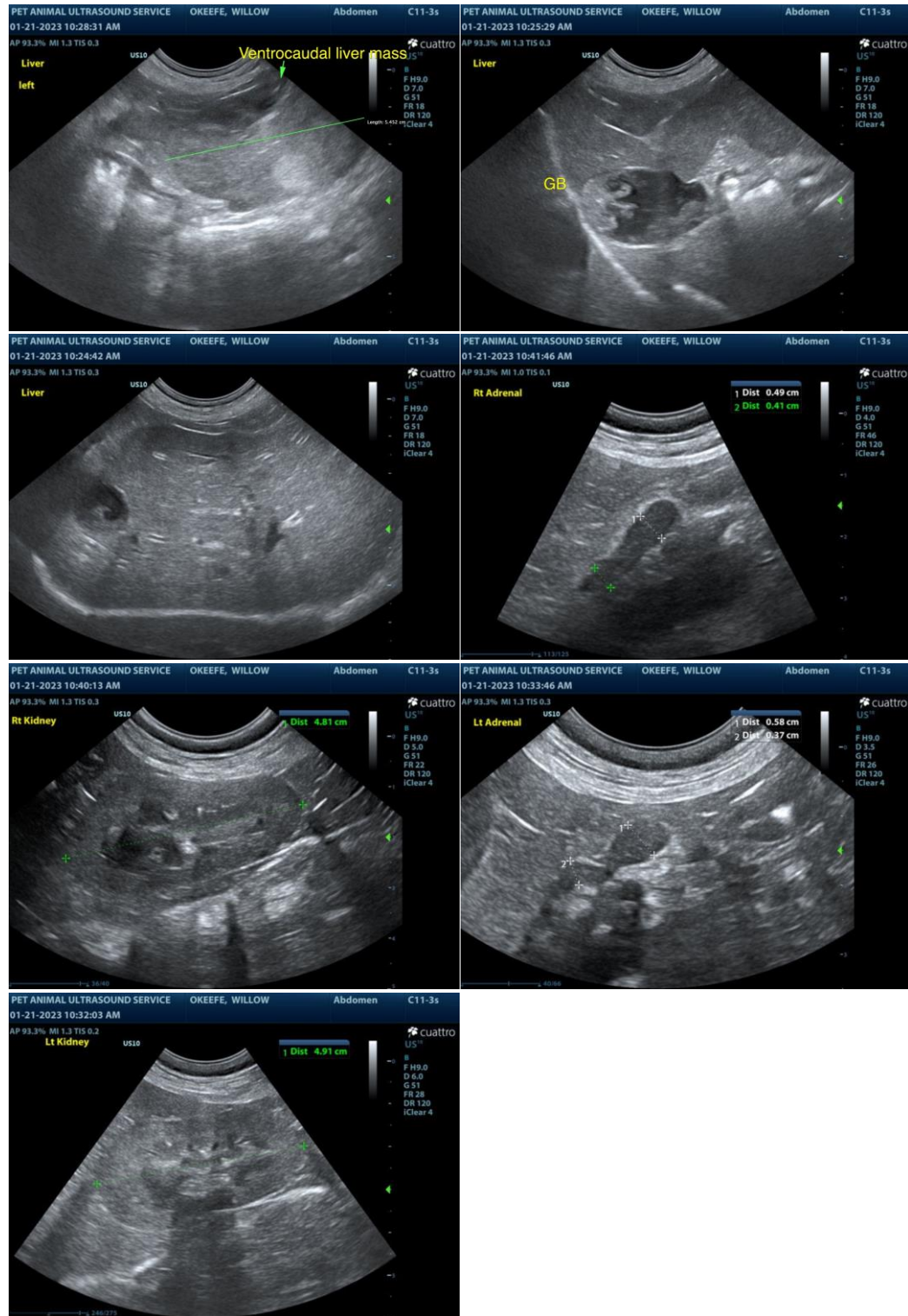
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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



PATIENT

Willow O'Keefe

can be of any further assistance please contact me.

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

info@SonoPath.com

SPECIES

Canine

BREED

Chihuahua Mix

SEX

FS

AGE

11yr

WEIGHT

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