



PATIENT PRESENTING CLINICAL SIGNS

Riley Fitzpatrick Geriatric patient with progressively elevating ALP and ALT level despite liver support. Radiographs: hepatomegaly.

SPECIES Currently on SAME LQ chews for liver support - 1 chew SID; Cerenia 60 mg, 1/2 tab EOD PRN

Canine Abnormal PE/Chem/CBC/UA Results: ALP 1348, Alb 5.1; ALT 199, Calcium 12.5.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED
Urinary System

Terrier Mix

SEX 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. A solitary spherical well demarcated homogenous small mass lesion was present in the mid ventral urinary bladder wall extending into the lumen measuring 1.1 cm in diameter. The lesion did not exhibit evidence of mineralization. The ureteral papillae were normal. The ureters were not visible which is normal.

FS

AGE 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. The left kidney measured 5.8 cm in length. The right kidney measured 5.2 cm in length.

11yr

WEIGHT The area of the aortic trifurcation was free of pathology.

33.8lb

The area of the iliac trifurcation was free of pathology including no evidence of medial, iliac or sublumbar lymphadenopathy.

INTERPRETED BY The area of the residual prostate appeared normal and free of pathology measuring 0.82 cm in diameter.

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

IMAGING PERFORMED BY

Adrenal Glands

Pamela Harrigan, RDCS

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.55 cm width at the caudal pole and 0.44 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 0.54 cm width at the caudal pole.

HOSPITAL NAME

Spleen

Airport Animal Hospital

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.

REFERRING VET

Dr. Gudluru

INVOICE

Liver/Gallbladder

12882ag

The liver presented normal in size with potential for borderline enlargement. The parenchyma of the liver was increased in echogenicity compared to the spleen and renal cortices with nonuniform to patchy echotexture. Reduced distinction and visualization of the portal structures was present. The gallbladder was non-distended in size with primarily anechoic luminal content and mild to moderate dependent to non-dependent non-organized variably echogenic debris. The cystic and common bile ducts were normal.

DATE

02/03/2023



PATIENT *Gastrointestinal*

Riley Fitzpatrick 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 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.

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

BREED *Pancreas*

Terrier Mix 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 *Free Abdomen*

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

AGE **ULTRASONOGRAPHIC FINDINGS**

- 11yr
- Severely heterogenous non-uniform to nodular liver-chronic vacuolar hepatopathy with marked remodeling, nodular hyperplasia, hematopoiesis, fibrosis, chronic inflammatory/immune mediated disease, infiltrative neoplasia or other possible
 - Gallbladder debris-not consistent with mucocele criteria
 - Non-specific well demarcated homogenous small ventral urinary bladder mass/lesion
 - Moderate chronic renal changes

WEIGHT

33.8lb

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The small urinary bladder mass lesion was non-specific with benign and potential emerging neoplastic etiologies i.e., TCC or other possible. A screening BRAF assay recommended. Assuming normal clotting status a hepatic FNA for screening cytology is warranted for further assessment. Urinary bladder mass and hepatic core surgical biopsy are likely required for a definitive diagnosis. The addition of Ursodiol to current medications may prove beneficial.

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

HOSPITAL NAME

Airport Animal
 Hospital

REFERRING VET

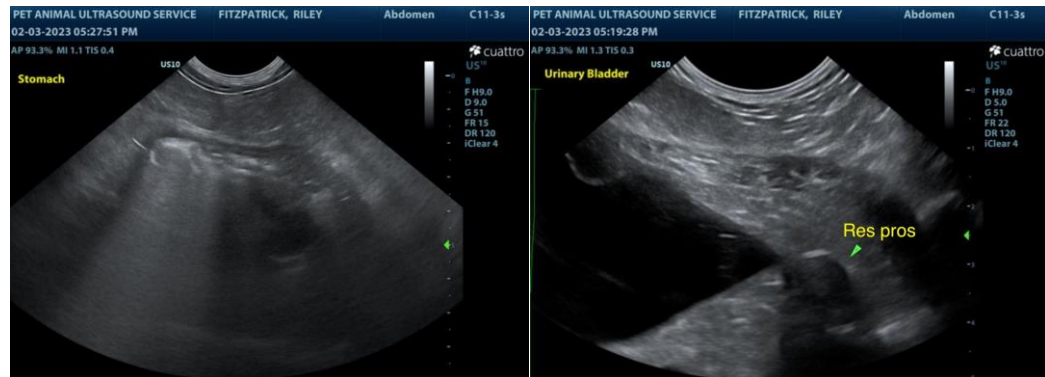
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PATIENT

Riley Fitzpatrick

SPECIES

Canine

BREED

Terrier Mix

SEX

FS

AGE

11yr

WEIGHT

33.8lb

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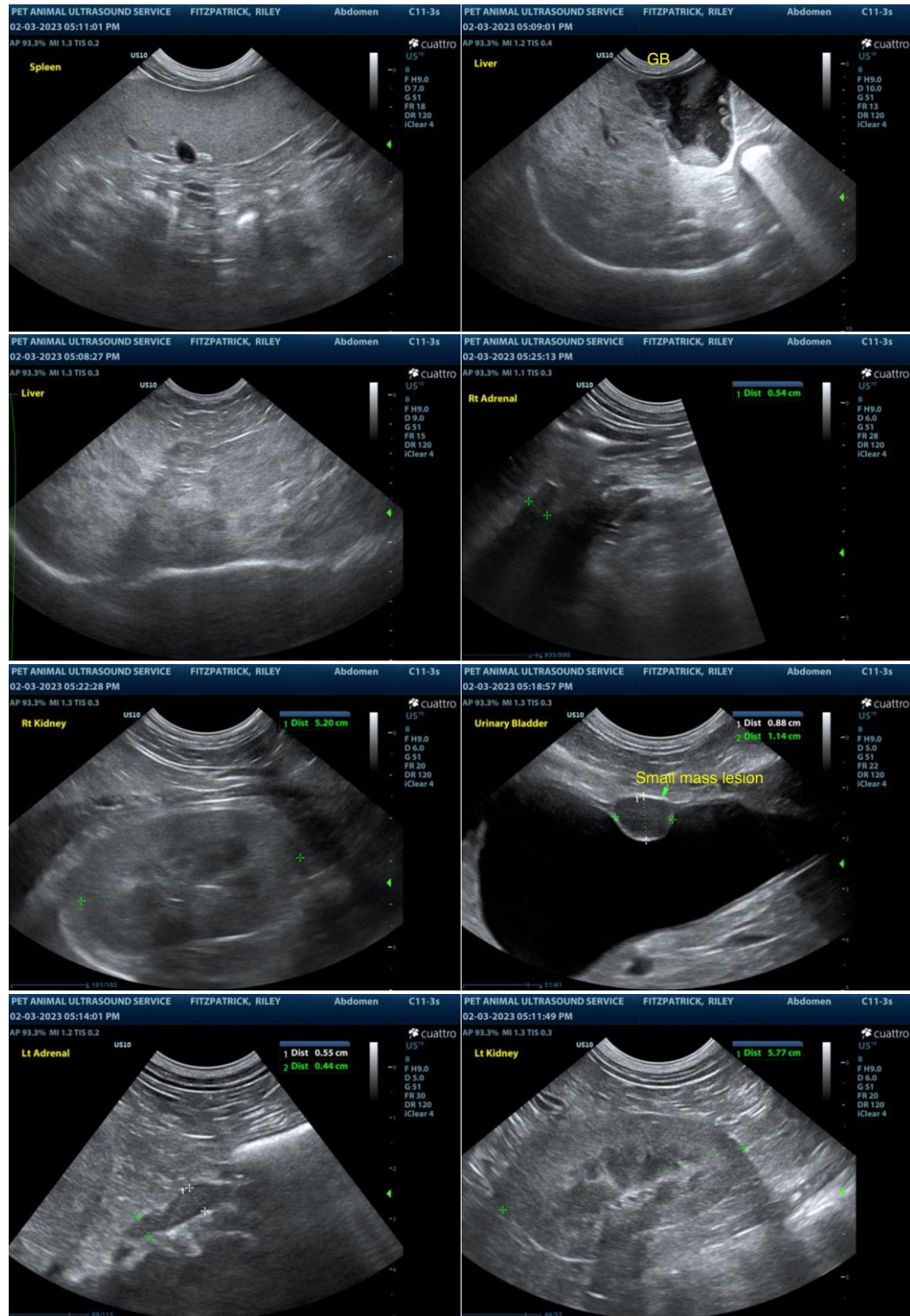
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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



PATIENT

Riley Fitzpatrick

can be of any further assistance please contact me.

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

info@SonoPath.com

SPECIES

Canine

BREED

Terrier Mix

SEX

FS

AGE

11yr

WEIGHT

33.8lb

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DABVP (Canine and Feline)

**IMAGING
PERFORMED BY**

Pamela Harrigan, RDMS

HOSPITAL NAME

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Hospital

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