

**PATIENT PRESENTING CLINICAL SIGNS**

Tucker Maxwell

Examined June 27, 23 and was noted by owner that Tucker is always ravenous even though he is overweight at a BCS of 7/9. No major concerns with exam other than some dental disease and a 1x2cm mass at sternal notch SQ movable and semi firm lipoma like texture. No meds currently.

**SPECIES**

Canine

**BREED**

Cairn Terrier X Scotty

Abnormal PE/Chem/CBC/UA Results: Bloodwork to rule out Hypothyroidism and Cushings. Liver values increased so recommended ultrasound as next step.

**SEX**

Neutered Male

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

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 no uroliths, sediment, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

**AGE**

13yr

The residual prostate was free of pathology.

**WEIGHT**

15.2kg

The area of the aortic trifurcation was free of pathology.

**INTERPRETED BY**

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

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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 6.4 cm in length. The right kidney measured 6.9 cm in length.

**IMAGING PERFORMED BY**

Crystal Hill

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.1 cm in length x 0.62 cm caudal pole width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 1.7 cm in length x 0.62 caudal pole width.

**HOSPITAL NAME**

Main Street AH

**Spleen**

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.

**REFERRING VET**

Dr. Veysey

**INVOICE**

10352

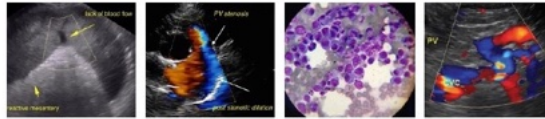
**Liver/ Gallbladder**

**DATE**

7/19/2023

The liver was subjectively normal in size and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. Subtle indistinct yet increased prominent portal vasculature borders. Normal hepatic vascular volume. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. Mild to moderate non organized hyperechoic gallbladder sediment. No evidence of gallbladder inflammatory criteria. The cystic and common bile ducts were normal.

**Gastrointestinal**



**PATIENT**

Tucker Maxwell

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**

Cairn Terrier X Scotty

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

**SEX**

Neutered Male

**Pancreas**

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

**AGE**

13yr

**Free Abdomen**

No overt lymphadenopathy or peritoneal effusion was present.

**WEIGHT**

15.2kg

**ULTRASONOGRAPHIC FINDINGS**

**Primary Findings**

- Hepatopathy – sonographically benign
- Mild to moderate gallbladder sediment (non-mucocele)
- Sonographically unremarkable gastrointestinal tract
- Remodeled pancreas
- Mild chronic renal changes
- Normal bilateral adrenal glands

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DVM, DABVP (Canine  
and Feline)

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**HOSPITAL NAME**

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**REFERRING VET**

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

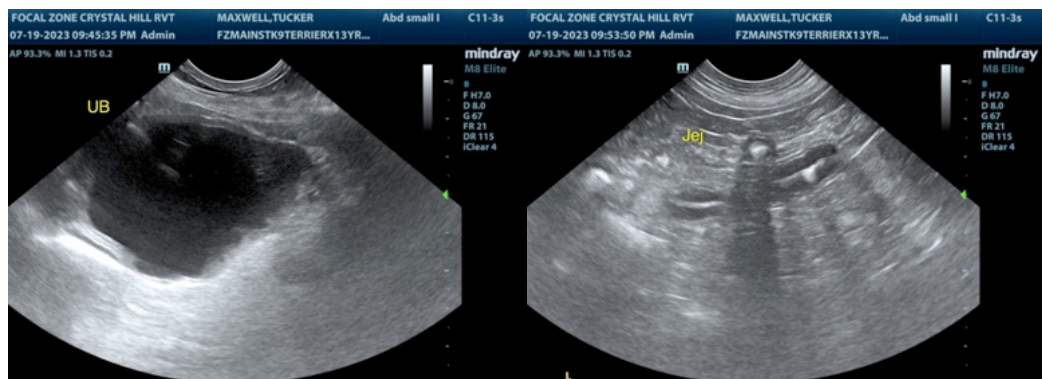
Sonographically no evidence of significant visceral pathology with largely geriatric abdomen. Depending upon degree of hepatic enzyme elevation and assuming normal clotting status, screening hepatic FNA cytology could be considered for further clarification. Hepatic supportive medications including Denamarin and Ursodiol may prove beneficial. Adrenal work up only recommended if clinical signs consistent with Cushing's syndrome i.e., PUPD, polyphagia, and addition to potential to polyphagia are present.

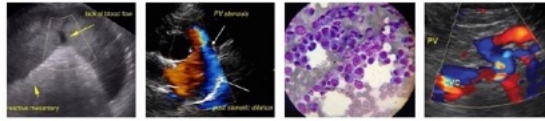
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**PATIENT**

Tucker Maxwell

**SPECIES**

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**BREED**

Cairn Terrier X Scotty

**SEX**

Neutered Male

**AGE**

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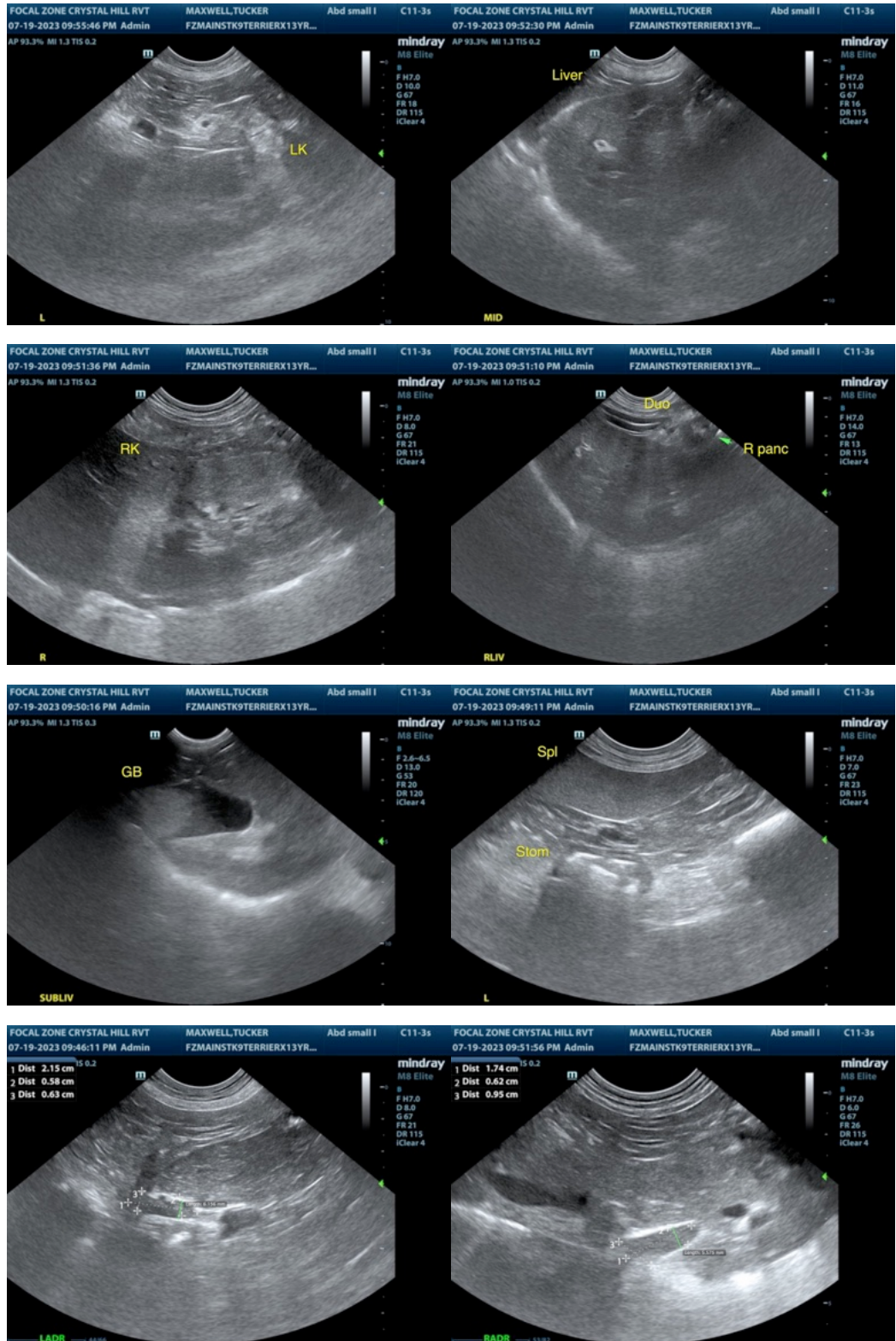
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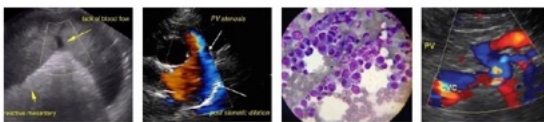
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



#### PATIENT

Tucker Maxwell

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.

#### SPECIES

Canine

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

[info@SonoPath.com](mailto:info@SonoPath.com)

#### BREED

Cairn Terrier X Scotty

#### SEX

Neutered Male

#### AGE

13yr

#### WEIGHT

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