

**PATIENT PRESENTING CLINICAL SIGNS**

Mucker Patience Has been presenting with cushing like symptoms and owners have been having to restrict water consumption. Have not yet completed low dose dex suppression testing, wanted Ultrasound first.

**SPECIES** Abnormal PE/Chem/CBC/UA Results: BUN 5.6, CREAT 65, Ca 2.9, ALP 191, ALT 126, CHOL 11.0, Na:K 34, USG 1.009 Please see attached lab results and radiographs.

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED** *Urinary System*

Australian Cattle Dog

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 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**

MN

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 6.3 cm in length. The right kidney measured 6.8 cm in length.

**AGE**

11yr

The area of the aortic trifurcation was free of pathology.

**WEIGHT**

57lb

The area of the residual prostate appeared normal and free of pathology.

**Adrenal Glands**

**INTERPRETED BY**

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

The left adrenal gland was normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 2.2 cm length and 0.74 cm width in the caudal pole.

The right adrenal gland was indistinctly visualized owing to patient size and confirmation yet exhibited potential for mild parenchyma heterogeneity and minor capsule asymmetry without overt suspicion for neoplastic criteria. The right adrenal gland measured 0.78 cm width at the caudal pole and 2.0 cm length.

**IMAGING PERFORMED BY**

Crystal Hill

**Spleen**

**HOSPITAL NAME**

Ingersoll Veterinary  
Services

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**

Prystayko

**Liver/Gallbladder**

**INVOICE**

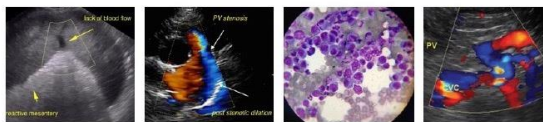
12696ag

The liver was mildly enlarged with normal contour and parenchyma echogenicity. Mild to moderate coarse echotexture was present with evidence of minor benign parenchymal remodeling. No masses/nodules noted. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

**Gastrointestinal**

**DATE**

01/16/2023



**PATIENT**

Mucker Patience

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild hyperechoic ingesta exhibiting subtle progressive distal acoustic shadowing 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 contained similar appearing ingesta/chyme with no signs of ileus, obstruction or foreign material.

**BREED**

Australian Cattle Dog

**Pancreas**

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

**SEX**

MN

**Free Abdomen**

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

**AGE**

11yr

**ULTRASONOGRAPHIC FINDINGS**

- Mild age related renal changes
- Mild benign hepatomegaly with minor parenchymal remodeling

**WEIGHT**

57lb

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Overall, a largely geriatric abdomen with no overt evidence of significant abdominal visceral pathology as a definitive cause of the patient's clinical signs. Adrenal testing is warranted if there is clinical suspicion for Cushing's syndrome. If Cushing's syndrome is confirmed, sonographic monitoring of the bilateral adrenals would be ideal. Additional diagnostics pending adrenal testing may include urine C/S, baseline UPC +/- a leptospirosis titer/PCR if clinically indicated or if potential exposure/endemic to the area. No overt intra-abdominal neoplastic criteria was observed.

**INTERPRETED BY**

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

For an additional charge, internal medicine consult can be utilized through Sonopath.com. You can select the internal medicine drop down at <http://spa.sonopath.com/>.

**IMAGING PERFORMED BY**

Crystal Hill

One of the world's top internists & SonoPath associate Dr. Remo Lobetti BVSc, MMedVet, PhD, DECVIM can evaluate your case through SonoPath. <https://sonopath.com/resources/sonopath-services/internal-medicine-teleconsultation-services>

**HOSPITAL NAME**

Ingersoll Veterinary  
Services

**REFERRING VET**

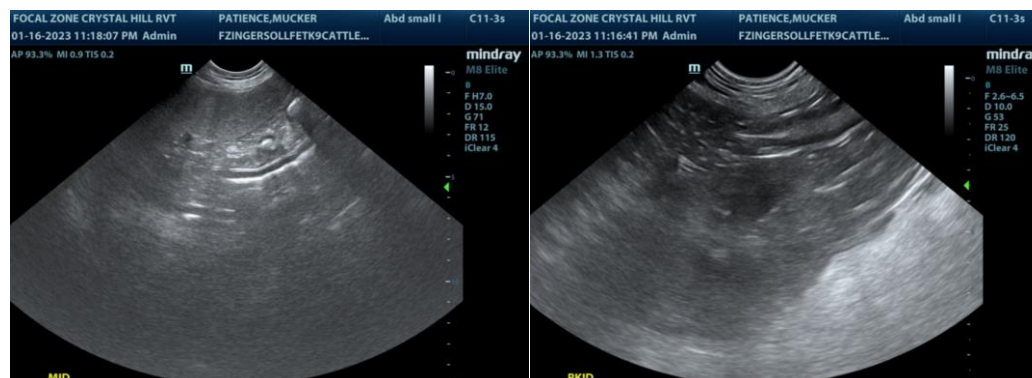
Prystayko

**INVOICE**

12696ag

**DATE**

01/16/2023





**PATIENT**  
Mucker Patience

**SPECIES**  
Canine

**BREED**  
Australian Cattle Dog

**SEX**  
MN

**AGE**  
11yr

**WEIGHT**  
57lb

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

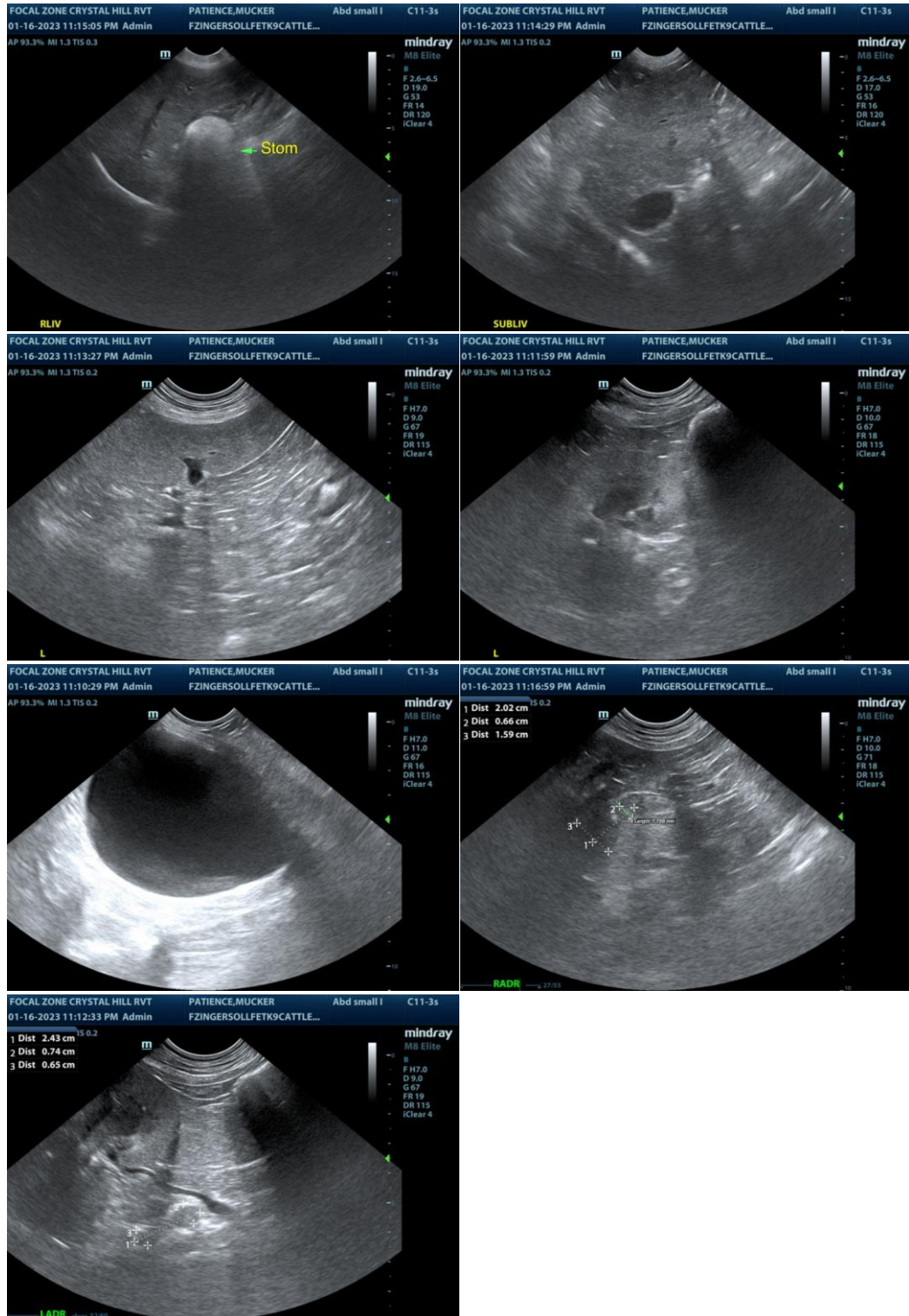
**IMAGING PERFORMED BY**  
Crystal Hill

**HOSPITAL NAME**  
Ingersoll Veterinary  
Services

**REFERRING VET**  
Prystayko

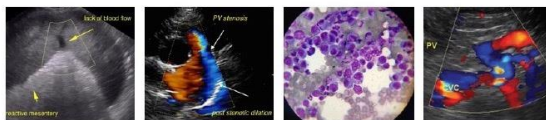
**INVOICE**  
12696ag

**DATE**  
01/16/2023



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**

Mucker Patience

can be of any further assistance please contact me.

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

info@SonoPath.com

**SPECIES**

Canine

**BREED**

Australian Cattle Dog

**SEX**

MN

**AGE**

11yr

**WEIGHT**

57lb

**INTERPRETED BY**

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

**IMAGING  
PERFORMED BY**

Crystal Hill

**HOSPITAL NAME**

Ingersoll Veterinary  
Services

**REFERRING VET**

Prystayko

**INVOICE**

12696ag

**DATE**

01/16/2023