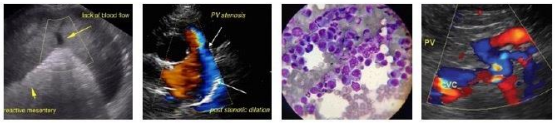
SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™
1-800-838-4268 info@sonopath.com SonoPath.com



THE FOCAL ZONE
IMAGING PERFORMED BY
289-808-2608 info@thefocalzone.com

**PATIENT**

Maggie Morris

**SPECIES**

Canine

**BREED**

Goldendoodle

**SEX**

FS

**AGE**

9 years

**WEIGHT**

17.7 kg

**INTERPRETED BY**

R. McKenzie Daniel, DVM, DABVP

**IMAGING PERFORMED BY**

Crystal HIll

**HOSPITAL NAME**

Hartzel AH

**REFERRING VET**

Dr. Morris

**INVOICE**

13967

**DATE**

6/1/22

## PRESENTING CLINICAL SIGNS

Thin coat, P/U, P/D, recently diagnosed with Cushings Disease. On LDDST - r/o PDH vs Functional adrenal tumor. Currently on Thyrotabs.
Abnormal PE/Chem/CBC/UA Results: May 12, 2022 Baseline cortisol 102(28-120) and Post 549 May 26 Baseline cortisol 91 4 hour post 102 8hr post 100 Mild thrombocytosis, Lipemic sample, remainder WNL

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### *Urinary System*

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 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 was noted.

The area of the aortic trifurcation was free of pathology.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 5.6 cm in length. The right kidney measured 6.1 cm in length.

### *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 length x 0.57 cm width at the caudal pole. The right adrenal gland was indistinctly visualized exhibiting mild subjective prominent size yet without overt evidence of neoplastic criteria or right adrenal tumor. The right adrenal gland measured 2.4 cm length x 0.94 cm width at the cranial pole and 0.77 cm width at the caudal pole.

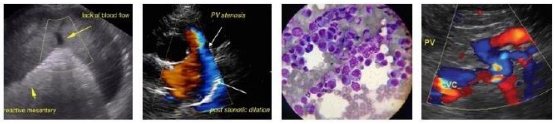
### *Spleen*

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.

### *Liver/ Gallbladder*

The liver was subjectively normal in size and maintained symmetrical capsule contour. Normal overall echogenicity exhibiting mild to moderate coarse echotexture was present. A solitary nondisruptive well-demarcated mildly hyperechoic nodule in the left liver measuring 2.3 cm in diameter was present. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™
1-800-838-4268 info@sonopath.com SonoPath.com



THE FOCAL ZONE
IMAGING PERFORMED BY
289-808-2608 info@thefocalzone.com

**PATIENT**

Maggie Morris

**SPECIES**

Canine

**BREED**

Goldendoodle

**SEX**

FS

**AGE**

9 years

**WEIGHT**

17.7 kg

**INTERPRETED BY**

R. McKenzie Daniel, DVM, DABVP

**IMAGING PERFORMED BY**

Crystal HIll

**HOSPITAL NAME**

Hartzel AH

**REFERRING VET**

Dr. Morris

**INVOICE**

13967

**DATE**

6/1/22

### *Gastrointestinal*

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.

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.

### *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 were evident.

### *Free Abdomen*

No overt lymphadenopathy or peritoneal effusion was present.

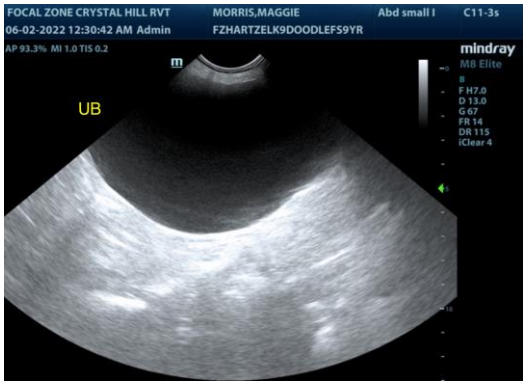
## ULTRASONOGRAPHIC FINDINGS

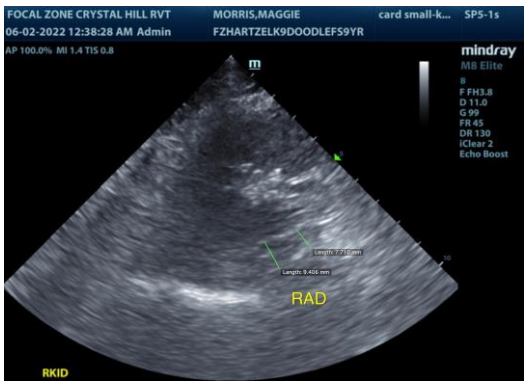
- Subjective mildly prominent right adrenal gland, overtly normal left adrenal gland
- Nonspecific yet likely benign liver nodule - suspect lipogranuloma or nodular hyperplasia

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Without evidence of left or right adrenal neoplastic criteria, in line with patient clinical signs, and adrenal testing, the bilateral adrenal glands are most consistent with PDH.

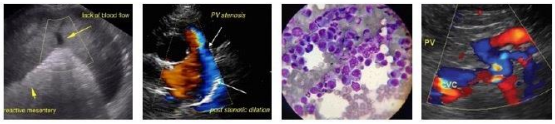
Urine culture and sensitivity on a sterile urine sample is suggested if not already done. Sonographic monitoring of the adrenal glands, specifically the right adrenal gland, as well as the likely benign liver nodule for evidence of progressive enlargement with an initial recheck in 3-4 months is recommended if possible.



SonoPath
Clinical Sonography & Telecytology

EDUCATIONAL TELECONSULTATION SERVICES™
1-800-838-4268 info@sonopath.com SonoPath.com



THE FOCAL ZONE

IMAGING PERFORMED BY
289-808-2608 info@thefocalzone.com

**PATIENT**

Maggie Morris

**SPECIES**

Canine

**BREED**

Goldendoodle

**SEX**

FS

**AGE**

9 years

**WEIGHT**

17.7 kg

**INTERPRETED BY**

R. McKenzie Daniel, DVM, DABVP

**IMAGING PERFORMED BY**

Crystal HIll

**HOSPITAL NAME**

Hartzel AH

**REFERRING VET**

Dr. Morris

**INVOICE**

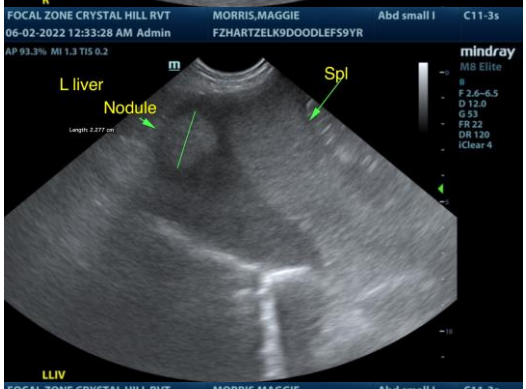
13967

**DATE**

6/1/22

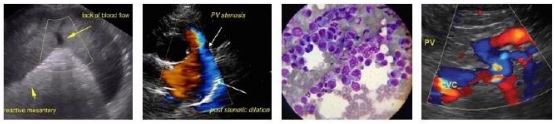








SonoPath
Clinical Sonography & Telecytology
EDUCATIONAL TELECONSULTATION SERVICES™
1-800-838-4268 info@sonopath.com SonoPath.com



THE FOCAL ZONE
IMAGING PERFORMED BY
289-808-2608 info@thefocalzone.com

**PATIENT**

Maggie Morris

**SPECIES**

Canine

**BREED**

Goldendoodle

**SEX**

FS

**AGE**

9 years

**WEIGHT**

17.7 kg

**INTERPRETED BY**

R. McKenzie Daniel, DVM, DABVP

**IMAGING PERFORMED BY**

Crystal HIll

**HOSPITAL NAME**

Hartzel AH

**REFERRING VET**

Dr. Morris

**INVOICE**

13967

**DATE**

6/1/22

**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.

**R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)**
**info@SonoPath.com**