

**PATIENT PRESENTING CLINICAL SIGNS**

Theo Cabral PU/PD, no palpable testicles  
Abnormal PE/Chem/CBC/UA Results: ALT 1015 BUN 5 ALB 2.9 CREAT 0.5 GLU 108

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine  
**Urinary System**

**BREED** 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.  
Border Collie

**SEX** Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. Mild increased medullary echogenicity was present without evidence of renal mineralization or pyelectasia. The left kidney measured 6.8 cm in length. The right kidney measured 6.7 cm in length.  
M

**AGE** The area of the aortic trifurcation was free of pathology.  
2018

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

**WEIGHT** The prostate was enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 2.4 cm in diameter.  
30.2

**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 0.49 cm width at the caudal pole and 0.61 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 0.53 cm width at the caudal pole and 0.74 cm width at the cranial pole.

**IMAGING PERFORMED BY Spleen**  
Rebekah Jakum, CVT ARDMS/RVT  
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**

Littlestown VH

**REFERRING VET Liver/Gallbladder**

Jennings  
The liver presented mildly enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content. The cystic and common bile ducts were normal.

**INVOICE**  
12862ag  
**Gastrointestinal**

**DATE**  
02/03/2023



**PATIENT**

Theo Cabral

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.

**Pancreas**

**BREED**

Border Collie

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.

**Free Abdomen**

**SEX**

M

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

**AGE**

2018

Confirmed normal appearing retained intra-abdominal testicles within the ventrocaudal abdomen at the level of the iliac trifurcation, bladder and prostate. The right testicle measured 1.7 cm in length, the left testicle measured 1.9 cm in length.

**ULTRASONOGRAPHIC FINDINGS**

**WEIGHT**

30.2

- Sonographically normal urinary bladder
- Mild prostatic hyperplasia-expected presentation for young intact male canine
- Benign hepatopathy exhibiting normal hepatic vascular volume
- Confirmed retained intra-abdominal testicles-subjective ventrocaudal abdomen possibly cranial to inguinal canal

**INTERPRETED BY**

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

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

A full urinary workup including screening urine C/S and baseline UPC if evidence of proteinuria is recommended. A leptospirosis titer/PCR may be considered if clinically indicated or if potential exposure/endemic to the area. Hepatic functionality assumed to be adequate given normal GLU and ALB. No evidence of a portosystemic shunt.

Laparotomy with resection of retained testicles and concurrent hepatic biopsy is recommended.

**IMAGING PERFORMED BY**

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ARDMS/RVT

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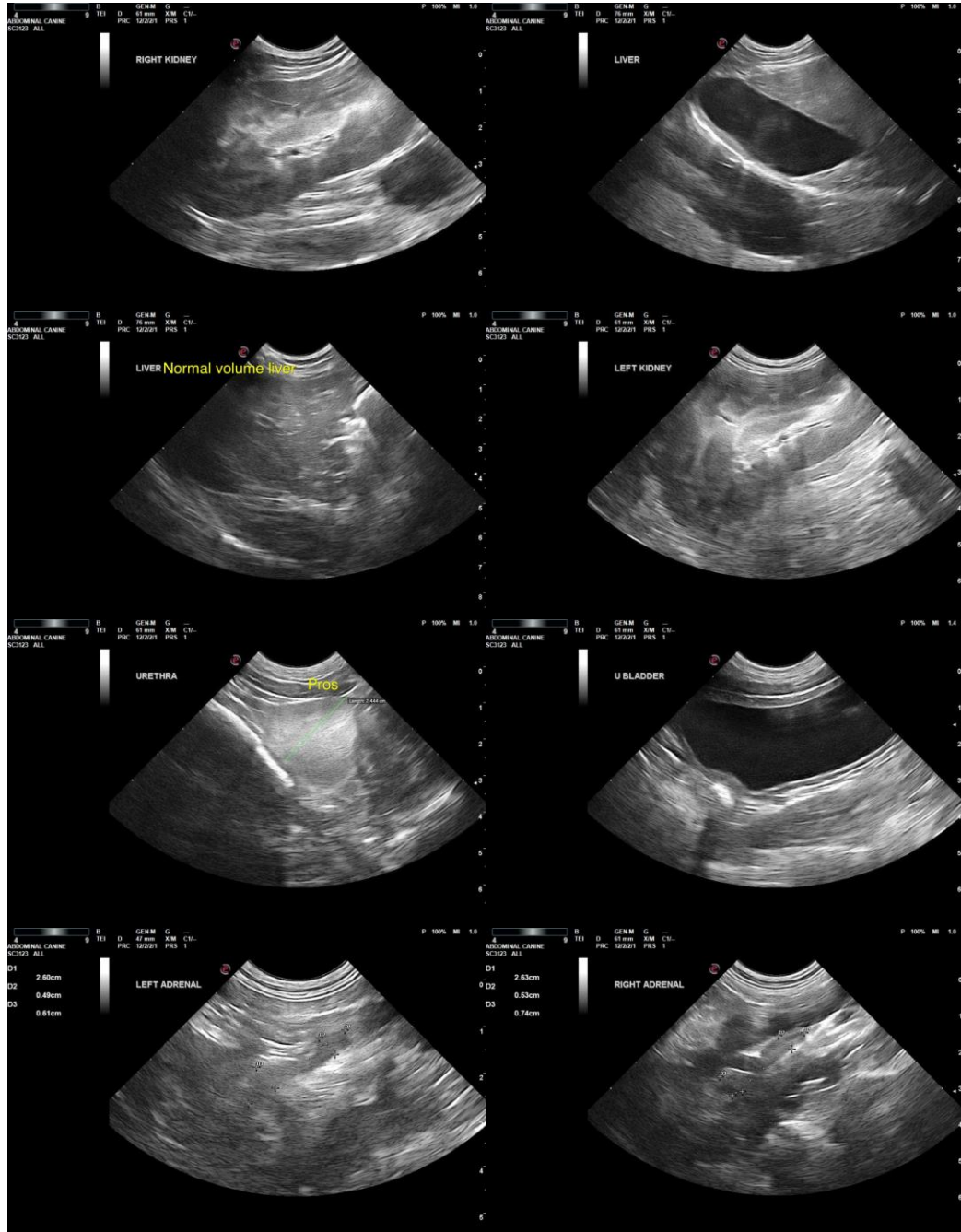
Jennings

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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 can be of any further assistance, please contact me.

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

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