



**PATIENT**

Surf Fisher-Stirrett

**SPECIES**

Canine

**BREED**

Portugese Water  
Dog

**SEX**

F/S

**AGE**

7

**WEIGHT**

16 kg

**INTERPRETED BY**

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

**IMAGING  
PERFORMED BY**

Dr. Belan

**HOSPITAL NAME**

South Pointe VC

**REFERRING VET**

Dr. Blaise

**INVOICE**

14653

**DATE**

8/17/22

**PRESENTING CLINICAL SIGNS**

PU PD for 2 weeks attending suspects Addisons. Cushings  
Abnormal PE/Chem/CBC/UA Results: Urine SG 1016

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder was mildly subnormal in size which prohibited full evaluation of the urinary bladder walls. A mild amount of anechoic urine was present in the urinary bladder with no sediment or calculi. The urethra exhibited normal structure and tone to a depth of 2.0 cm. The ventral apical urinary bladder wall width measured 0.28 cm.

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 pyelectasia. The left kidney measured 5.5 cm in length. The right kidney measured 5.3 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 0.43 cm width at the caudal pole and 0.43 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 0.41 cm width at the caudal pole and 0.68 cm width at the cranial pole. No evidence of adrenal enlargement or tumors was evident.

**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, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. A solitary, discrete, mildly hyperechoic, nondisruptive, intraparenchymal nodule was present ventral to the gallbladder measuring 1.1 cm in diameter. The nodule is most likely consistent with discrete lipogranuloma or an area of nodular hyperplasia and benign. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

**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.



<b>PATIENT</b>	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.
Surf Fisher-Stirrett	
<b>SPECIES</b>	Normal visible colon wall layers were present with apparent formed feces in lumen.
Canine	<b>Pancreas</b>
<b>BREED</b>	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.
Portugese Water Dog	<b>Free Abdomen</b>
<b>SEX</b>	No overt lymphadenopathy or peritoneal effusion was present.
F/S	<b>ULTRASONOGRAPHIC FINDINGS</b>
<b>AGE</b>	<ul style="list-style-type: none"><li>• Sonographically unremarkable kidneys</li><li>• Sonographically unremarkable bilateral adrenal glands - no evidence of adrenomegaly or tumors</li><li>• Discrete nondisruptive hepatic nodule - consistent with probable lipogranuloma or nodular hyperplasia (benign)</li></ul>
7	
<b>WEIGHT</b>	
16 kg	
<b>INTERPRETED BY</b>	<b>INTERPRETATION OF THE FINDINGS &amp; FURTHER RECOMMENDATIONS</b>
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	No overt evidence of visceral pathology as a definitive cause of the patient's polyuria/polydipsia. Further assessment may include urine C/S on a sterile urine sample +/- baseline UPC, Leptospirosis titers / PCR, if endemic to the area or potential exposure, and adrenal testing which may include LDDST or resting cortisol level, If clinical suspicion of underlying adrenal disease.
<b>IMAGING PERFORMED BY</b>	
Dr. Belan	For an additional charge, internal medicine consult can be utilized through SonoPath.com. You can select the internal medicine drop down at <a href="http://spa.sonopath.com/">http://spa.sonopath.com/</a> .
<b>HOSPITAL NAME</b>	
South Pointe VC	
<b>REFERRING VET</b>	One of the world's top internists & SonoPath associate Dr. Remo Lobetti BVSc, MMedVet, PhD, DECVIM can evaluate your case through SonoPath. <a href="https://sonopath.com/resources/sonopath-services/internal-medicine-teleconsultation-services">https://sonopath.com/resources/sonopath-services/internal-medicine-teleconsultation-services</a>
Dr. Blaise	
<b>INVOICE</b>	
14653	
<b>DATE</b>	
8/17/22	



**PATIENT**

Surf Fisher-Stirrett

**SPECIES**

Canine

**BREED**

Portugese Water Dog

**SEX**

F/S

**AGE**

7

**WEIGHT**

16 kg

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Dr. Belan

**HOSPITAL NAME**

South Pointe VC

**REFERRING VET**

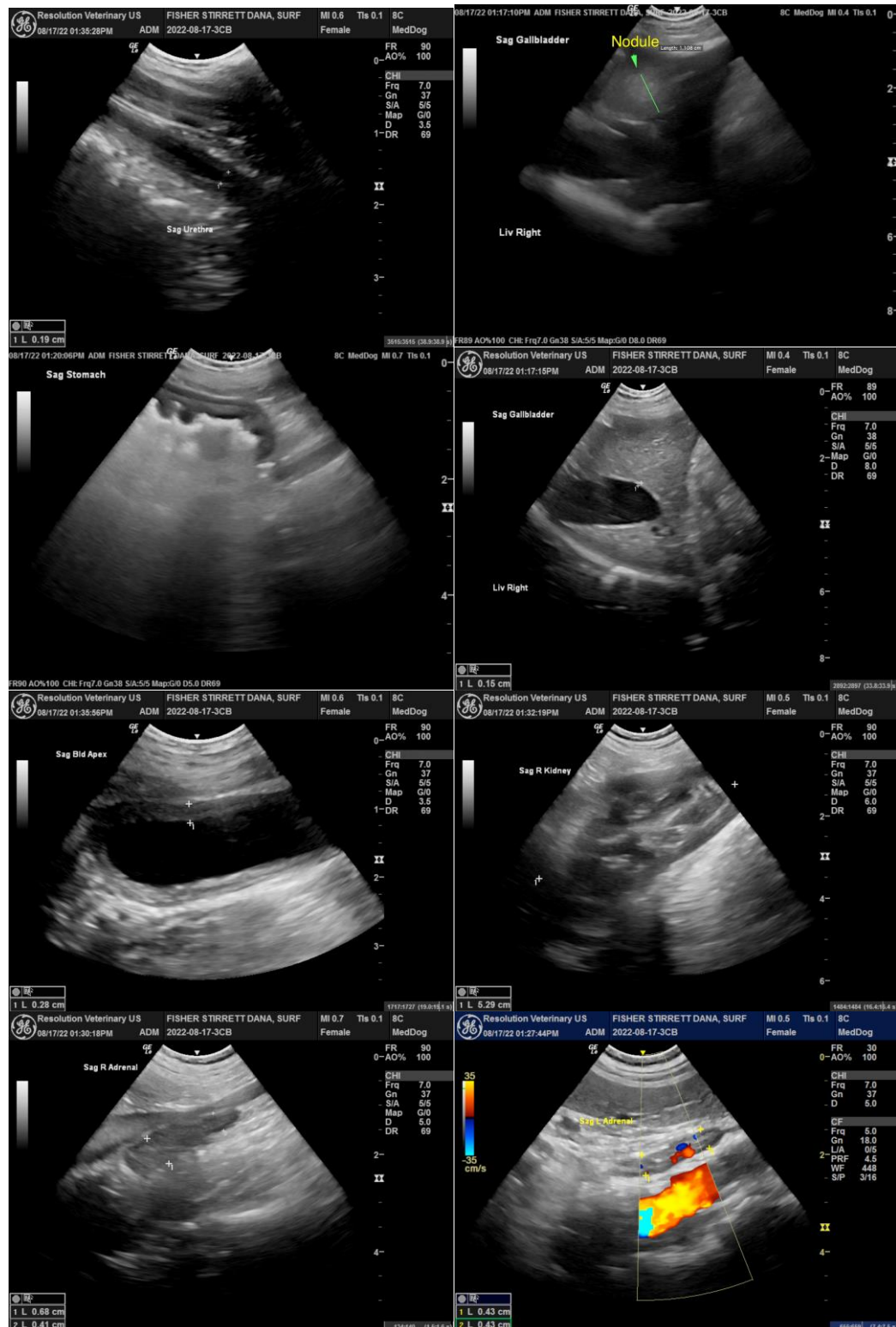
Dr. Blaise

**INVOICE**

14653

**DATE**

8/17/22





## PATIENT

Surf Fisher-Stirrett

## SPECIES

Canine

## BREED

Portugese Water Dog

## SEX

F/S

## AGE

7

## WEIGHT

16 kg

## INTERPRETED BY

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

## IMAGING PERFORMED BY

Dr. Belan

## HOSPITAL NAME

South Pointe VC

## REFERRING VET

Dr. Blaise

## INVOICE

14653

## DATE

8/17/22



**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