



PATIENT

Pashi Hodgson

SPECIES

Canine

BREED

Border Collie X

SEX

Female Spay

AGE

9

WEIGHT

33 kg

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Belan

HOSPITAL NAME

Glamorgan AH

REFERRING VET

Dr. MacAulay

INVOICE

16105

DATE

6/15/22

PRESENTING CLINICAL SIGNS

Panting and poor appetite PU PD Tried on Desmopressin for possible Diabetes insipidus. Good initial response but has reverted. Diagnosis open

Abnormal PE/Chem/CBC/UA Results: Persistent elevation of cPL and lipase for 8 months

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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.

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 minor loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pyelectasia was present. The left kidney measured 6.6 cm in length. The right kidney measured 6.3 cm in length.

Adrenal Glands

Both adrenal glands were borderline prominent in size, exhibiting minor asymmetrical contour and subtle nonhomogeneous nonmineralized parenchyma. The right adrenal gland measured 0.7 cm at the cranial pole and 0.59 cm at the caudal pole. The left adrenal gland measured 0.59 cm at the cranial pole and 0.83 cm at the caudal pole.

Spleen

The spleen was normal in size and contour with primarily finely textured homogeneous parenchyma. A solitary subtle nondisruptive hypoechoic nodule was noted in the spleen, measuring 0.58 cm in diameter.

Liver/ Gallbladder

The liver presented normal in size. The hepatic parenchyma revealed mild increased hepatic echogenicity compared to the spleen and renal cortical parenchyma with a mild coarse echotexture. Increased portal vein prominence was evident. The capsule of the liver was normal in margination. The liver exhibited subtle indistinct isoechoic to mildly hypoechoic intraparenchymal nodules. An example of nodule measured 0.48 cm in diameter. The hepatic and portal vasculature were normal in appearance.

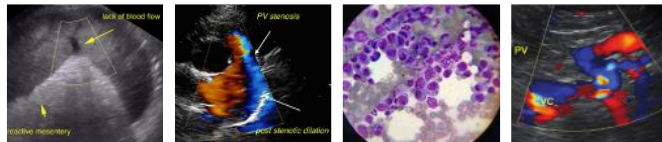
The gallbladder was non distended in size with mild to moderate mildly hyperechoic yet nonmineralized gallbladder debris. The debris appeared to be mobile and nonorganized. No evidence of gallbladder or peripheral gallbladder inflammatory criteria. The cystic duct and common bile ducts were normal without evidence of dilation.

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.



PATIENT	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.
Pashi Hodgson	
SPECIES	Normal visible colon wall layers were present with apparent formed feces in lumen.
Canine	Pancreas
BREED	The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.
Border Collie X	Free Abdomen
SEX	No overt lymphadenopathy or peritoneal effusion was present.
Female Spay	ULTRASONOGRAPHIC FINDINGS
AGE	<ul style="list-style-type: none"> • Mild hepatic parenchyma hyperechogenicity with intermittent subtle intraparenchymal nodules • Nonspecific subtle nondisruptive splenic nodule • Mild age-related kidneys • Subjective mild irregular to nonhomogeneous adrenal glands- nonspecific • Minor pancreatic remodeling
9	
WEIGHT	
33 kg	
INTERPRETED BY	<u>INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS</u>
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The hepatic parenchymal changes, although nonspecific, are not consistent with neoplastic criteria with vacuolar hepatic changes suspected.
IMAGING PERFORMED BY	Multiple etiologies possible for the small nondisruptive splenic nodule, including focal area of minor hyperplasia, hematopoiesis, small hematoma, splenitis, with neoplastic criteria thought unlikely. Sonographic monitoring of the splenic nodule for evidence of progression would be reasonable.
Dr. Belan	No evidence of active pancreatic inflammation. Minor remodeling or possible early fibrosis, owing to previous inflammation or low-grade to chronic pancreatitis is possible, which may be suspected if evidence of cranial abdominal subxiphoid discomfort on palpation.
HOSPITAL NAME	Although the poor appetite is not overtly consistent with Cushings syndrome, full adrenal work up with LDDST could be considered given the patients clinical signs. Additional diagnostics, given the PU/PD may include, urine culture and sensitivity, baseline UPC level for further renal staging +/- Leptospirosis titers/PCR if endemic to the area. Hepatic functionality is assumed to be normal, if normal albumin, glucose, BUN and cholesterol levels.
Glamorgan AH	
REFERRING VET	
Dr. MacAulay	As needed gastrointestinal support recommended.
INVOICE	
16105	
DATE	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/ .
6/15/22	



PATIENT

Pashi Hodgson

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>

SPECIES

Canine

BREED

Border Collie X

SEX

Female Spay

AGE

9

WEIGHT

33 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Glamorgan AH

REFERRING VET

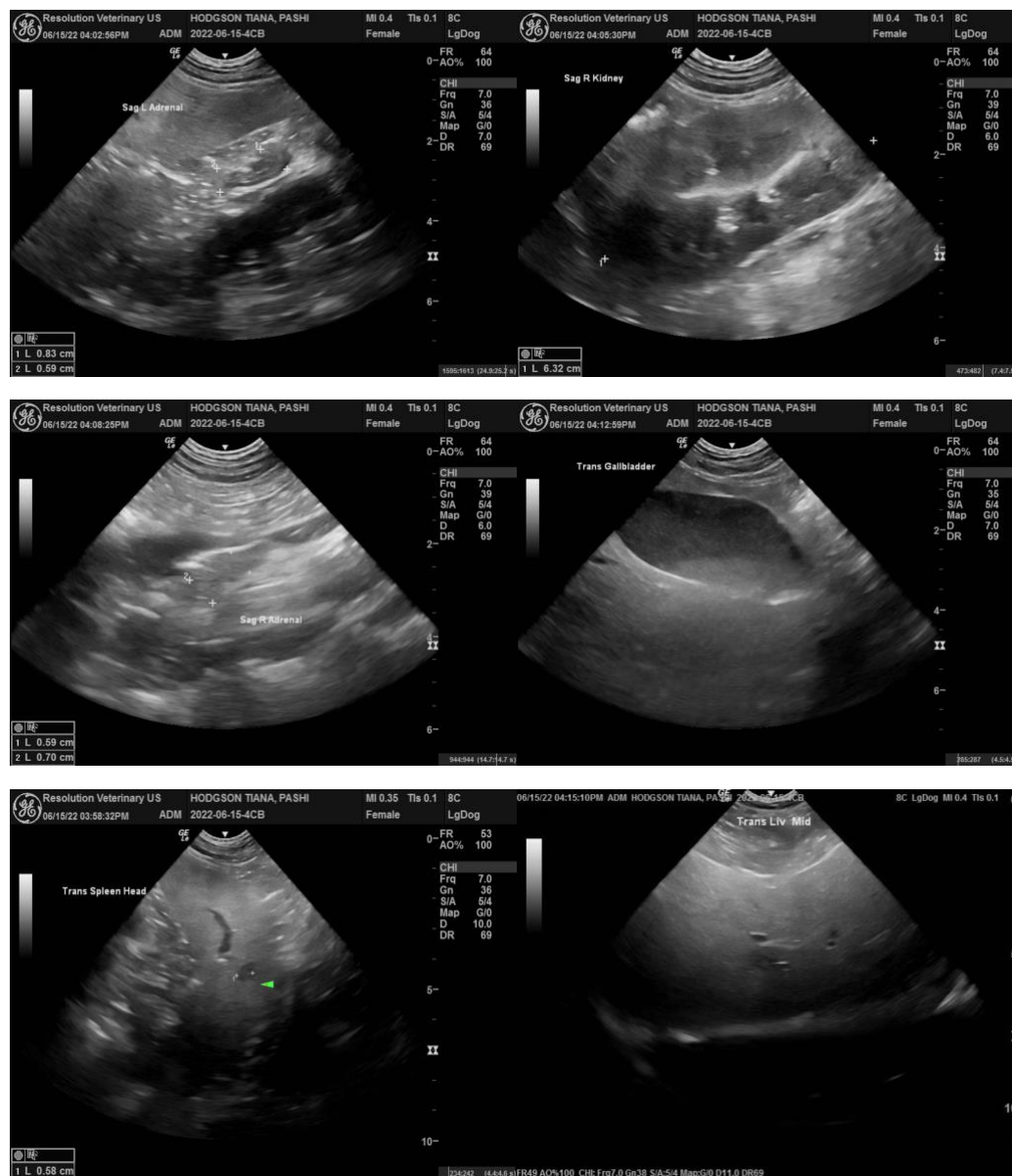
Dr. MacAulay

INVOICE

16105

DATE

6/15/22





PATIENT

Pashi Hodgson

SPECIES

Canine

BREED

Border Collie X

SEX

Female Spay

AGE

9

WEIGHT

33 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Glamorgan AH

REFERRING VET

Dr. MacAulay

INVOICE

16105

DATE

6/15/22



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