



PATIENT

Jack Stewart

PRESENTING CLINICAL SIGNS

History: 2 year history of chronic diarrhea . Mass palpated on exam. . Patient bright and alert other wise

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Blood work non diagnostic

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

West Highland White

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Mild asymmetrical luminal surface to micropolyploid changes were present likely associated with age related mural changes. Anechoic urine was present in the lumen with areas of luminal mineral which may indicate passage of mineral from the kidneys into the urinary bladder. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

SEX

MI

Normal size and margination was 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 moderate loss of corticomedullary symmetry and definition expected for the age of the patient. Bilateral areas of pinpoint medullary mineral were noted. No evidence of pelvic dilation was present. The left kidney measured 4.6 cm in length. The right kidney measured 4.2 cm in length.

AGE

13

WEIGHT

8.1kg

The area of the aortic trifurcation was free of pathology.

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. A subtle to small parenchymal cyst was noted. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 4.4 cm x 2.6 cm.

INTERPRETED BY

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

The bilateral testicles were sonographically unremarkable.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.51 cm width at the caudal pole and 0.54 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 0.60 cm width at the caudal pole.

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Glamorgan AH

Spleen

A mass involving the mid to caudal spleen with secondary capsule expansion and disruption was present and measured 7-8 cm in diameter. The parenchyma of the mass was homogenous without areas of cavitation. The non-affected spleen exhibited primarily finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. No evidence of perisplenic free fluid.

REFERRING VET

Dr. Murphy

INVOICE

11189ag

Liver

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. Intermittent small hyperechoic intraparenchymal nodules likely consistent with benign lipogranulomas were present. The hepatic and portal vasculature were normal in appearance without signs of congestion.

DATE

07/25/2022



PATIENT	The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with mild nondependent mildly hyperechoic non organized debris. The cystic and common bile ducts were normal.
Jack Stewart	
SPECIES	Gastrointestinal
Canine	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.
BREED	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.
West Highland White	Normal visible colon wall layers were present with apparent formed feces in lumen.
SEX	Pancreas
MI	The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum, likely consistent with age related changes and considered incidental. No signs of active inflammation or neoplasia.
AGE	Free Abdomen
13	No evidence of perisplenic or peritoneal free fluid.
WEIGHT	Intermittent mildly prominent to enlarged mesenteric nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). An example measured 1.8 cm x 0.41 cm. Not consistent with inflammatory or neoplastic criteria and are likely incidental.
8.1kg	
INTERPRETED BY	Rapid view of the heart revealed no evidence of pericardial masses or effusion in the visible window.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	ULTRASONOGRAPHIC FINDINGS
IMAGING PERFORMED BY	<ul style="list-style-type: none"> • Solid splenic mass-hyperplasia, hematopoiesis, splenitis, granuloma or neoplasia are possible • Bilateral chronic renal changes with pinpoint medullary mineral • Benign micropolypliod urinary bladder changes with pinpoint luminal mineral • Hepatic parenchymal remodeling with intermittent benign nodules • Minor gallbladder debris-non mucocele • Benign prostatic hyperplasia, minor potential for prostatitis • Overtly normal subjective cardiac structure and function
Dr. Belan	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
HOSPITAL NAME	An ultrasound guided FNA of the splenic mass assuming normal clotting status and using a 25g needle could be considered for screening cytology. No evidence of intra-abdominal metastasis. Three view chest radiographs suggested. If no evidence of pathology on thoracic radiographs a splenectomy with gross inspection of the liver and omentum could be considered. Sonographic monitoring for evidence of splenic mass progression would be a more conservative approach.
Glamorgan AH	
REFERRING VET	
Dr. Murphy	
INVOICE	
11189ag	
DATE	
07/25/2022	



PATIENT

Jack Stewart

SPECIES

Canine

BREED

West Highland White

SEX

MI

AGE

13

WEIGHT

8.1kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Glamorgan AH

REFERRING VET

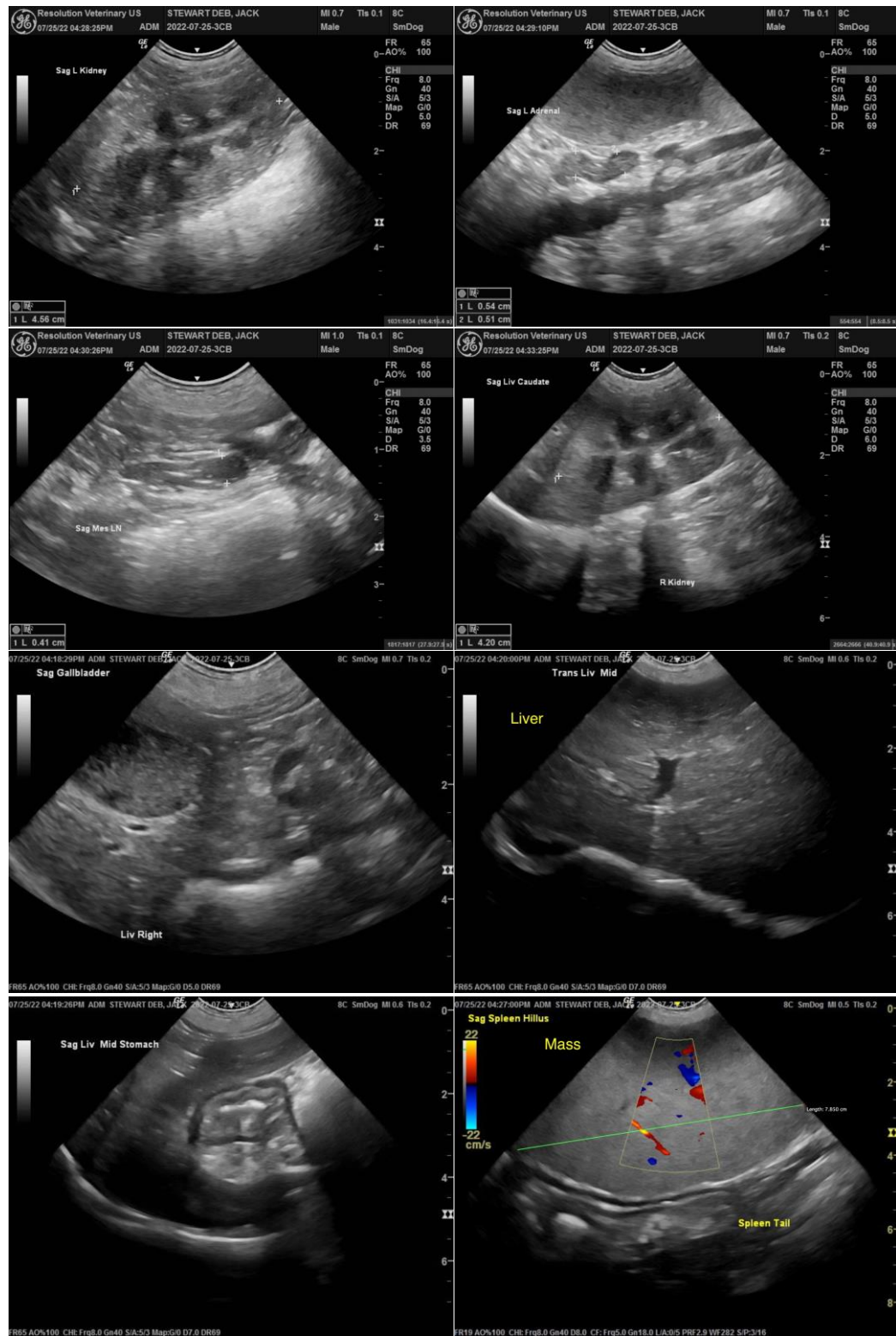
Dr. Murphy

INVOICE

11189ag

DATE

07/25/2022





PATIENT

Jack Stewart

SPECIES

Canine

BREED

West Highland White

SEX

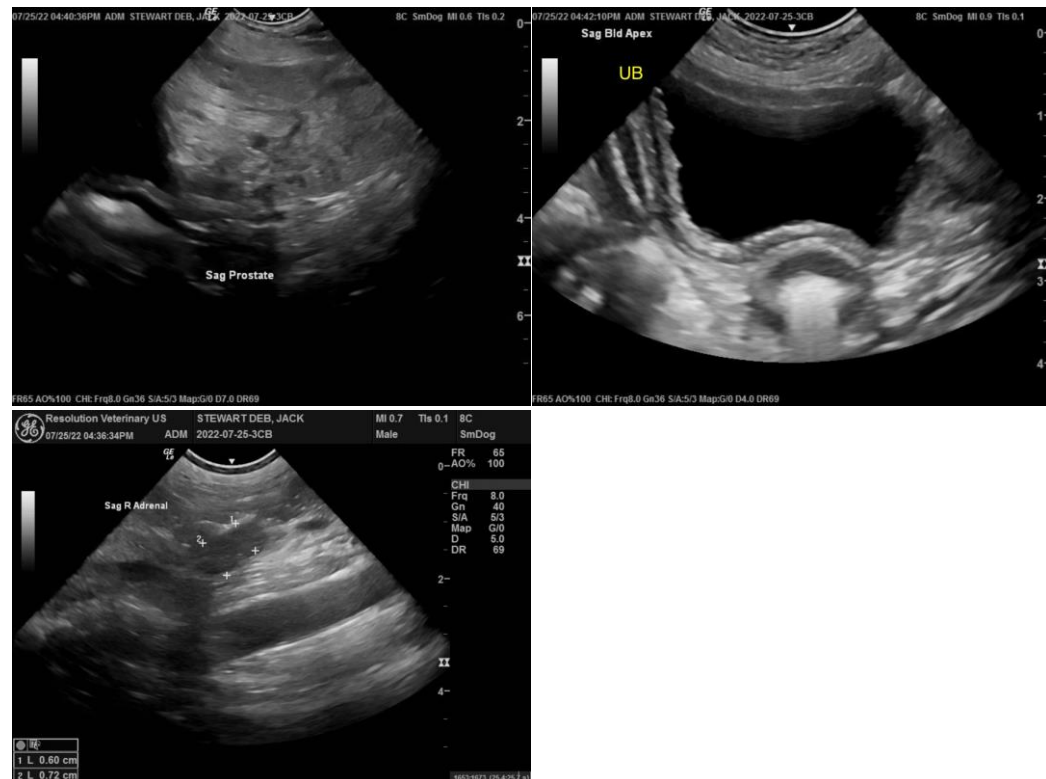
MI

AGE

13

WEIGHT

8.1kg



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.

INTERPRETED BY

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

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)

IMAGING PERFORMED BY

Dr. Belan

info@SonoPath.com

HOSPITAL NAME

Glamorgan AH

REFERRING VET

Dr. Murphy

INVOICE

11189ag

DATE

07/25/2022