



**PATIENT PRESENTING CLINICAL SIGNS**

Sophie Gordon History: drinking more than usual, possible liver/spleen mass on rads

Abnormal PE/Chem/CBC/UA Results: ALKP elevated.

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**BREED**

Westie

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 were noted.

**SEX**

Spayed Female

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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pyelectasia was present in either kidney. The left kidney measured 5.6 cm in length. The right kidney measured 5.7 cm in length.

**AGE**

11 Years

**Adrenal Glands**

**WEIGHT**

9 kg

Both adrenal glands were indistinctly visualized owing to regional periadrenal increased omental artifact. No overt pathology in the area of the left or right adrenal gland. Mild adrenal parenchyma heterogeneity yet no overt evidence of neoplastic criteria or mineralization. The left adrenal gland subjectively measured 2.5 cm in length x 0.79 cm at the caudal pole in width. The right adrenal gland measured 2.0 cm in length x 0.85 cm at the caudal pole in width.

**INTERPRETED BY**

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

**Spleen**

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age-related remodeling with minor potential for inflammatory or neoplastic disease.

**IMAGING**

**PERFORMED BY**

Kelly Reschny

**Liver**

**HOSPITAL NAME**

The Collegeway AH

The liver revealed moderate generalized enlargement. A large expansive nonhomogeneous nodular to cystic mass, occupying the mid to left liver, measuring approximately 9.0 cm x 6.0 cm, was present. The mass appeared to distort regional associated hepatic capsule. No overt evidence of perihepatic or peritoneal free fluid. No overt lymphadenopathy was present. Hepatic parenchyma not involved with the mass exhibited mild remodeling with moderate coarse echotexture.

**REFERRING VET**

Dr. Hanna

The gallbladder was non distended in size with mild gallbladder debris. The cystic duct and common bile ducts were normal without evidence of dilation.

**INVOICE**

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**Gastrointestinal**

**DATE**

1/21/22

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**

Sophie Gordon

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.

**SPECIES**

**Pancreas**

Canine

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.

**BREED**

Westie

**Free Abdomen**

No overt evidence of perihepatic or peritoneal free fluid. No overt lymphadenopathy was present.

**SEX**

Spayed Female

**ULTRASONOGRAPHIC FINDINGS**

- Large nonhomogeneous to nodular cystic hepatic mass
- Mild gallbladder debris (non-mucocele)
- Mild chronic renal changes
- Sonographically unremarkable spleen

**AGE**

11 Years

**WEIGHT**

9 kg

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Although sampling is required for potential further clarification of the hepatic mass, most suggestive of neoplastic criteria (such as adenocarcinoma or other). Benign etiology for the hepatic mass is possible yet thought less likely. Assuming normal clotting status, ultrasound guided FNA of the mass is recommended for screening cytology and potential for oncology consult. The mass does not appear to be subjectively amendable to complete surgical resection given its size, likely involvement of more than one liver lobe and location adjacent to the gallbladder.

**INTERPRETED BY**

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DABVP (Canine and  
Feline)

Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered. Three-view chest radiographs suggested.

**IMAGING PERFORMED BY**

Kelly Reschny

**HOSPITAL NAME**

The Collegeway AH

**REFERRING VET**

Dr. Hanna

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**DATE**

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**PATIENT**

Sophie Gordon

**SPECIES**

Canine

**BREED**

Westie

**SEX**

Spayed Female

**AGE**

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**REFERRING VET**

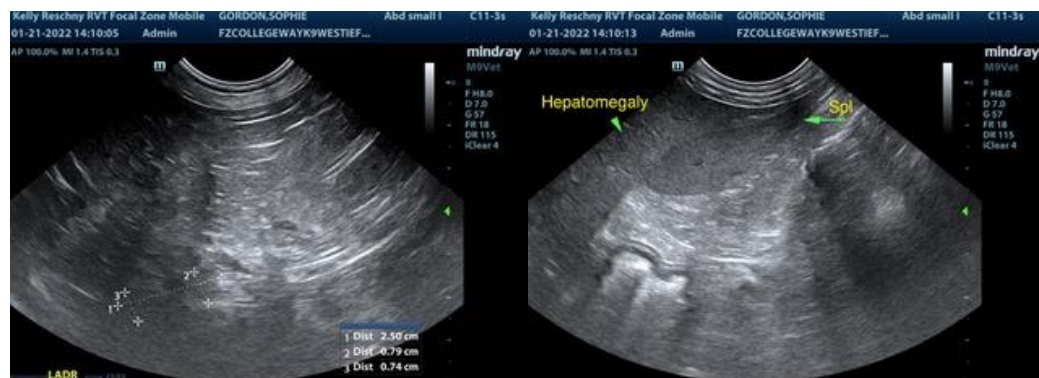
Dr. Hanna

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The information and recommendations provided are based on the images presented by the referring veterinarian. 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