



## PATIENT

Teagan Meyers

## SPECIES

Canine

## BREED

Scottish Terrier

## SEX

Spayed female

## AGE

13 years

## WEIGHT

14.9 lbs

## INTERPRETED BY

Eric Lindquist, DMV,  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Jenna Walsh, CVT

## HOSPITAL NAME

Pleasant Hill AH

## REFERRING VET

Dr. Larsen

## DATE

12/19/22

## Invoice

42209

## PRESENTING CLINICAL SIGNS

History: Liver Values increasing GLOB (4.7); ALT (193); ALP (2108)  
Abnormal PE/Chem/CBC/UA Results: GLOB (4.7); ALT (193); ALP (2108)

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction and appeared normal. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The right kidney measured 5.21 cm. The left kidney measured 4.7 cm.

### Adrenal Glands

A left **adrenal gland** mass was noted in this patient and measured 3.84 x 2.24 cm at the cranial pole and 0.82 cm at the caudal pole. The mass was expansive without capsular escape or vascular invasion. The right adrenal gland measured 1.96 x 0.81 cm at the cranial pole and 0.4 cm at the caudal pole with a hyperechoic nodule at the cranial pole.

### Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

### Liver

The **liver** in this patient revealed moderately complex left cranial mass and moderate vascularity. The mass impinges upon the diaphragm ventral cranially. The mass deviated the gallbladder caudally. Macronodular and micronodular changes were noted elsewhere. Anechoic cysts were noted in the right dorsal liver. The gallbladder was mildly over distended with suspended and dependent debris, yet not to the level of emerging mucocele, yet sludge appears to be mildly excessive. No adjunctive inflammation was noted.



## PATIENT

Teagan Meyers

## SPECIES

Canine

## BREED

Scottish Terrier

## SEX

Spayed female

## AGE

13 years

## WEIGHT

14.9 lbs

## INTERPRETED BY

Eric Lindquist, DMV,  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Jenna Walsh, CVT

## HOSPITAL NAME

Pleasant Hill AH

## REFERRING VET

Dr. Larsen

## DATE

12/19/22

## Invoice

42209

## Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

## Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

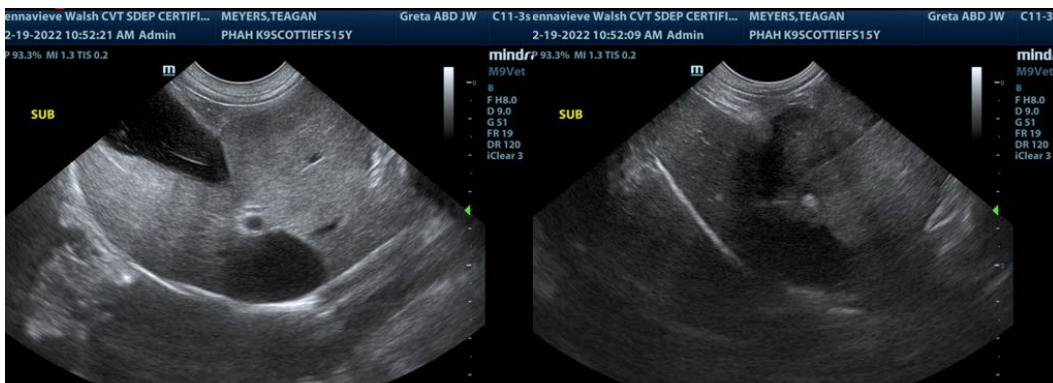
## ULTRASONOGRAPHIC FINDINGS

Left adrenal mass. Differentials include pheochromocytoma, adenocarcinoma, benign adenoma/hyperplasia.

Hepatic mass and macronodular changes. Differentials include hepatocellular carcinoma, pronounced nodular hyperplasia and metastatic disease.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Serial blood pressure measurements are recommended. If hypertension is present then urine catecholamine is indicated. CT evaluation for potential surgical planning is warranted. There is a possibility that full left lobectomy may be curative in this patient as heterogenous changes in the right liver appeared non-disruptive, yet the left liver appears to be more dramatic. There is a potential that the hepatic lesions may be related to the left adrenal gland.





**PATIENT**

Teagan Meyers

**SPECIES**

Canine

**BREED**

Scottish Terrier

**SEX**

Spayed female

**AGE**

13 years

**WEIGHT**

14.9 lbs

**INTERPRETED BY**

Eric Lindquist, DMV,  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Jenna Walsh, CVT

**HOSPITAL NAME**

Pleasant Hill AH

**REFERRING VET**

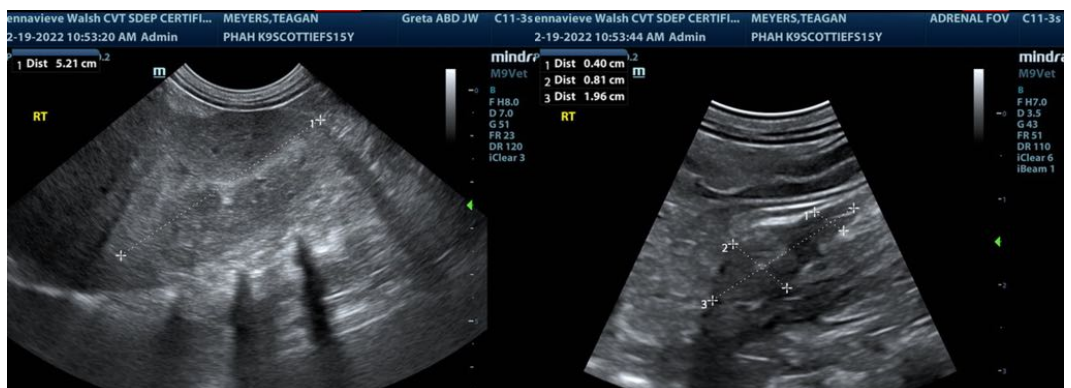
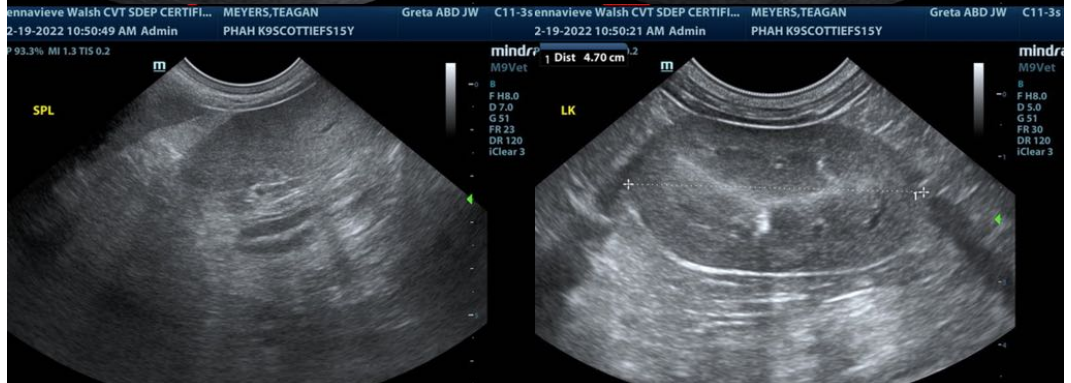
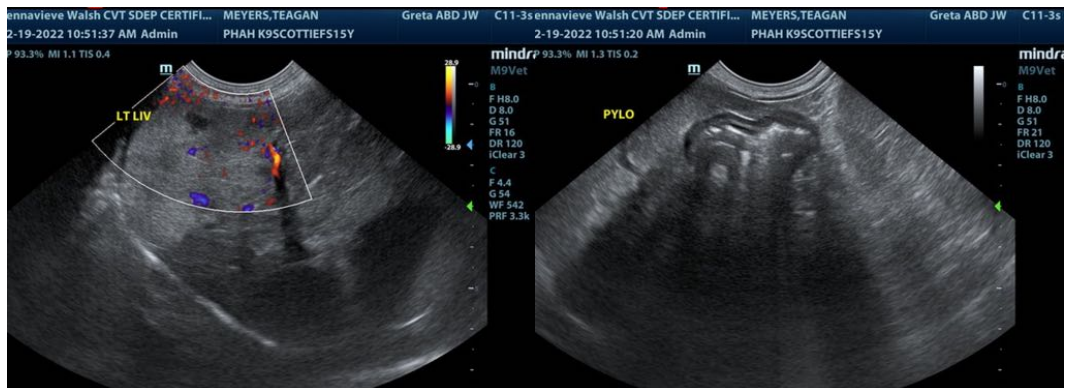
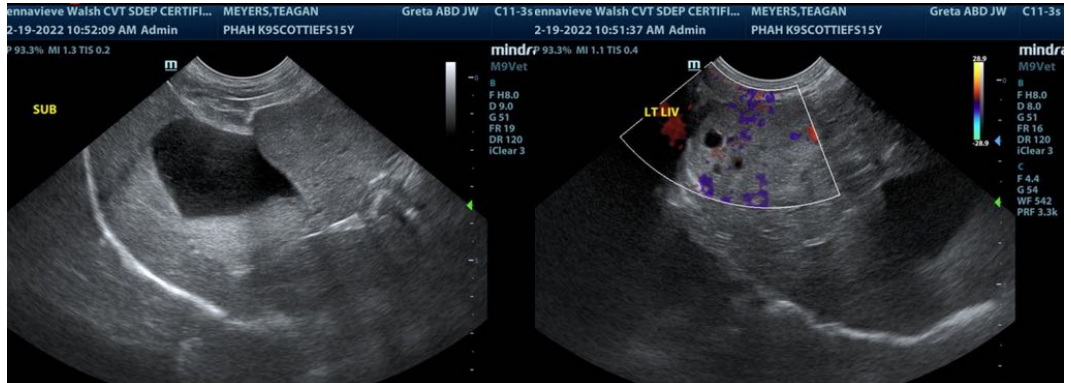
Dr. Larsen

**DATE**

12/19/22

**Invoice**

42209





**PATIENT**

Teagan Meyers

**SPECIES**

Canine

**BREED**

Scottish Terrier

**SEX**

Spayed female

**AGE**

13 years

**WEIGHT**

14.9 lbs



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.

**Eric Lindquist, DMV, DABVP, Cert. IVUSS**

CEO of Sonopath.com

Eric.Lindquist@SonoPath.com

**INTERPRETED BY**

**Eric Lindquist, DMV, DABVP, Cert. IVUSS**

**IMAGING PERFORMED BY**

Jenna Walsh, CVT

**HOSPITAL NAME**

Pleasant Hill AH

**REFERRING VET**

Dr. Larsen

**DATE**

12/19/22

**Invoice**

42209