



**PATIENT**

Petunia Hoffman

**SPECIES**

Canine

**BREED**

Bearded Collie

**SEX**

FS

**AGE**

15

**WEIGHT**

50

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Torch River  
Veterinary Mobile

**HOSPITAL NAME**

East Bay Pet Hospital

**REFERRING VET**

Dr. Karen

**INVOICE**

17254

**DATE**

7/14/23

**PRESENTING CLINICAL SIGNS**

Presented for anorexia and diarrhea. AFAST showed abdominal mass

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4.0 cm 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.

No evidence of pathology in the area of the aortic trifurcation.

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 moderate loss of corticomedullary symmetry and definition expected for the age of the patient. Mild bilateral pyelectasia and intermittent cortical cysts were present. Pinpoint to minor medullary mineral was noted. The left kidney measured 5.7 cm in length. The right kidney measured 6.4 cm in length.

**Adrenal Glands**

The left adrenal gland was normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 0.58 cm width in the cranial pole and 0.88 cm width in the caudal pole. The right adrenal gland was not definitively visualized owing to patient size and conformation, yet no overt pathology was noted in the area of the right adrenal gland.

**Spleen**

The spleen was normal in size and maintained symmetrical capsule contour with subtle splenic parenchyma heterogeneity with normal splenic vascularity. No discernable splenic masses or nodules were noted.

**Liver/ Gallbladder**

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. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size containing primarily anechoic content with mild, nonorganized gallbladder sediment. 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.

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.



## PATIENT

Normal visible colon wall layers were present with subjective semi-formed fecal matter.

Petunia Hoffman

## Pancreas

## SPECIES

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.

Canine

## BREED

## Free Abdomen

Bearded Collie

Large, irregular, mixed echogenic mass occupying the mid to cranial abdomen directly effacing the caudal aspect of the mid to right liver as well as medial spleen, was present measuring ~13.0 cm in diameter. No evidence of overt or significant omental lymphadenopathy was noted. No evidence of peritoneal effusion was noted.

## SEX

FS

## AGE

15

Rapid view of the heart revealed no evidence of pericardial masses or effusion in the visible window.

## WEIGHT

50

## ULTRASONOGRAPHIC FINDINGS

- Large, irregular, nonhomogeneous, mid to cranial abdominal mass - consistent with probable hepatic origin with neoplastic criteria favored
- Moderate chronic renal changes exhibiting mild bilateral pyelectasia, pinpoint medullary mineral, and cortical cysts
- Gallbladder sediment (non-mucocele)
- Age-related spleen
- Sonographically unremarkable gastrointestinal tract

## INTERPRETED BY

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

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Assuming normal clotting status, FNA cytology of the probable liver mass for further clarification, as well as correlation with hepatic enzyme assessment is recommended. Given the size of the mass, a non-hepatic origin of the mass cannot be definitively excluded, yet is thought less likely. Mass biopsy for histopathology is likely required for a definitive diagnosis. Three view chest radiographs are recommended if not done. As-needed gastrointestinal support is recommended.

## IMAGING PERFORMED BY

Torch River  
Veterinary Mobile

## HOSPITAL NAME

East Bay Pet Hospital

## REFERRING VET

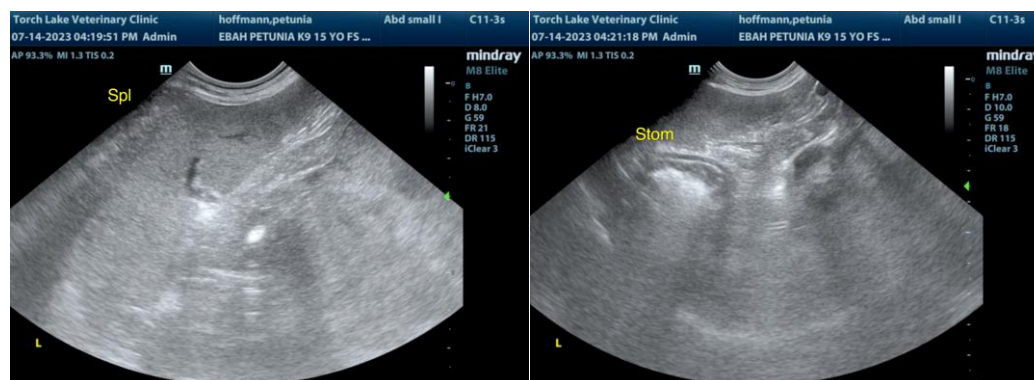
Dr. Karen

## INVOICE

17254

## DATE

7/14/23





**PATIENT**

Petunia Hoffman

**SPECIES**

Canine

**BREED**

Bearded Collie

**SEX**

FS

**AGE**

15

**WEIGHT**

50

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Torch River  
Veterinary Mobile

**HOSPITAL NAME**

East Bay Pet Hospital

**REFERRING VET**

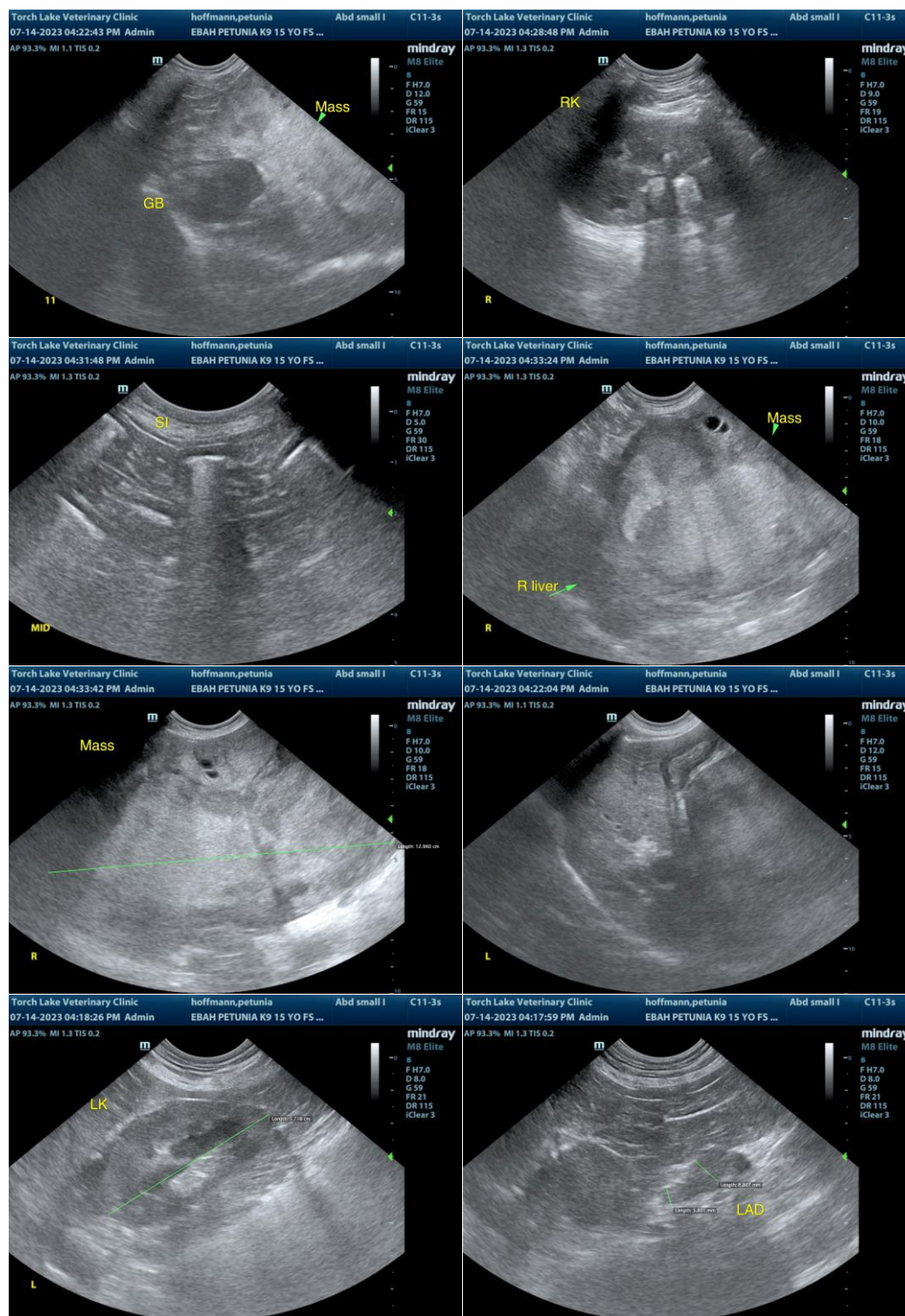
Dr. Karen

**INVOICE**

17254

**DATE**

7/14/23



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.



**PATIENT**

Petunia Hoffman

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.

**SPECIES**

Canine

**R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)**

[info@sonopath.com](mailto:info@sonopath.com)

**BREED**

Bearded Collie

**SEX**

FS

**AGE**

15

**WEIGHT**

50

**INTERPRETED BY**

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

**IMAGING  
PERFORMED BY**

Torch River  
Veterinary Mobile

**HOSPITAL NAME**

East Bay Pet Hospital

**REFERRING VET**

Dr. Karen

**INVOICE**

17254

**DATE**

7/14/23