



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Angel Turner  
**HISTORY:** Patient with history of invasive mammary carcinoma - ultrasound today for staging post-op. Chest and abdominal radiographs - no mets - both appear normal. Considering Carboplatinum vs. Palladia.

**SPECIES** Abnormal PE/Chem/CBC/UA Results: BUN 33, creat. 1.8, rest WNL. U/A: pH 6.0, USG 1.027.  
**PLATELET COUNT** 435,000/HCT 57.

Canine

**BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Maltese

**Urinary System**

**SEX**

The urinary bladder is moderately distended with anechoic urine. The Bladder wall, trigone, ureteral papillae and visible urethra (to a depth of 2cm) appear normal with no evidence of wall thickening, mucosal irregularities, masses or cystic calculi.

Spayed Female

**AGE**

The left kidney has a normal shape and size (2.75 cm). Overall echogenicity is slightly hyperechoic with poor corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

14 years

**WEIGHT**

The right kidney has a normal shape and size (3.2 cm). Overall echogenicity is slightly hyperechoic with poor corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

7 lbs

**INTERPRETED BY**

Kathleen Sennello  
 DVM, MS, Diplomate  
 ACVIM (Small Animal  
 Internal Medicine)

**Adrenal Glands**

The left adrenal gland is normal in size measuring 0.48 cm at the caudal pole It is observed in its normal position cranial to the left renal artery. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

**IMAGING PERFORMED BY**

Kelly Vazquez, CVT

The right adrenal gland is normal in size measuring 0.41 cm at the caudal pole It is observed in its normal position between the cranial aspect of the right kidney and the caudal vena cava. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

**HOSPITAL NAME**

Companion Veterinary  
 Hospital of Wayne

**Spleen**

The spleen is subjectively normal in size, echotexture is homogenous, and the splenic capsule is smooth with no irregularities. The blood flow through the hilus and splenic parenchyma appears normal. No focal parenchymal abnormalities are visualized.

**REFERRING VET**

Dr. Spitz

**INVOICE**

**Liver**

The liver is subjectively normal in size, and echogenicity with smooth peripheral margins. The parenchyma is heterogenous in echotexture with subtle, indistinct focal mottling. The visible portions of the vasculature and biliary tract appear normal. No focal nodules or cystic lesions are observed. The

**DATE**

3/16/22



**PATIENT**

Angel Turner

gallbladder lumen is moderately distended. The wall of the gallbladder is not thickened and has no significant mucosal irregularity. The gallbladder has a large volume of non-shadowing intraluminal material. The bile duct appears normal/not visible.

**SPECIES**

Canine

**Gastrointestinal**

The stomach is moderately dilated with fluid and irregular shadowing material most consistent with normal ingesta and gas. It measures at a normal thickness of <0.7cm with some variability due to the presence of rugal folds. The distinction of the gastric wall layering is adequate and there is no impression of reduced peristaltic activity. No masses or focal lesions were observed.

**BREED**

Maltese

**SEX**

Spayed Female

The visualized areas of duodenum, jejunum and ileum have a relatively uniform diameter with minimal fluid distension. Wall thickness is normal. Bowel loops follow a curvilinear path with distinct wall layering maintaining the typical 1:3 muscularis:mucosa layer ratio. The duodenum measured as normal (between 0.3-0.5cm in wall thickness) and the jejunum measured as normal (between 0.2-0.47cm.) Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

**AGE**

14 years

The ileocecal junction was visualized and exhibited normal intact wall layering and is subjectively of normal thickness. Sections of colon are visualized with formed fecal material and gas shadowing distally. There is no observed focal or generalized colon wall thickening or loss of layering.

**WEIGHT**

7 lbs

**Pancreas**

The pancreas is normal and isoechoic to surrounding mesentery. There is no evidence of nodules or cystic lesions. There is no evidence of regional mesenteric inflammation or fluid.

**INTERPRETED BY**

Kathleen Sennello  
DVM, MS, Diplomate  
ACVIM (Small Animal  
Internal Medicine)

**Free Abdomen**

Evaluation of the peritoneal cavity did not reveal any evidence of effusion, or subjective lymphadenomegaly. The Medial iliac nodes appear normal and there was no evidence of a caudal aortic thrombus at the bifurcation. The omentum is of normal uniform echogenicity.

**IMAGING PERFORMED BY**

Kelly Vazquez, CVT

**ULTRASONOGRAPHIC FINDINGS**

**HOSPITAL NAME**

Companion Veterinary  
Hospital of Wayne

- Decreased corticomedullary distinction in both kidneys. The bilateral renal findings are consistent with age-related change.
- Mildly heterogenous liver. The diffuse hepatic changes are non-specific and could be consistent with vacuolar hepatopathy, nodular hyperplasia, inflammatory/immune-mediated disease, fibrosis, extramedullary hematopoiesis, toxic hepatopathy (e.g., copper), infiltrative neoplasia (less likely) or other hepatopathy.
- Moderate gallbladder debris. The significance of the aggregated gallbladder debris is unclear. This could represent an early mucocele, cholestasis, or may be secondary to fasting.

**REFERRING VET**

Dr. Spitz

**INVOICE**

**DATE**

3/16/22



**PATIENT**

Angel Turner

**SPECIES**

Canine

**BREED**

Maltese

**SEX**

Spayed Female

**AGE**

14 years

**WEIGHT**

7 lbs

**INTERPRETED BY**

Kathleen Sennello  
DVM, MS, Diplomate  
ACVIM (Small Animal  
Internal Medicine)

**IMAGING PERFORMED BY**

Kelly Vazquez, CVT

**HOSPITAL NAME**

Companion Veterinary  
Hospital of Wayne

**REFERRING VET**

Dr. Spitz

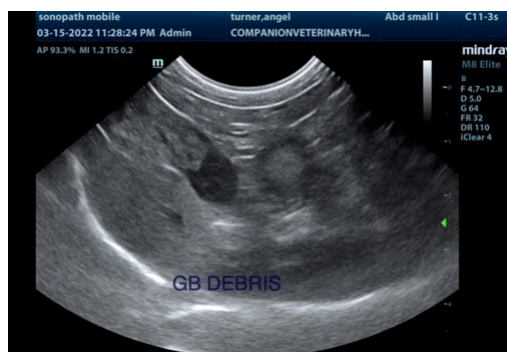
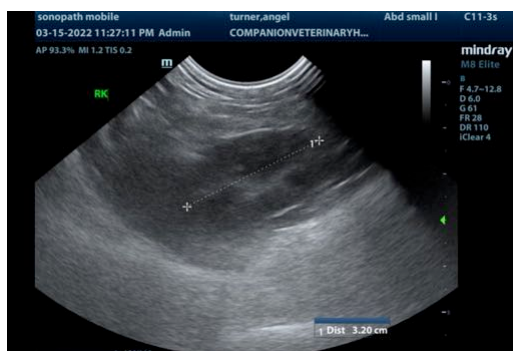
**INVOICE**

**DATE**

3/16/22

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

There were no large mass effects or nodules visualized to indicate the presence of metastatic disease. Most of the changes visualized are associated with age related change and likely within normal limits for this age of patient.



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.

Kathleen Sennello DVM,MS, Diplomate ACVIM (Small animal Internal Medicine)  
kathleen.sennello@sonopath.com