



**PATIENT**

Boo Trettau

**SPECIES**

Canine

**BREED**

Maltese mix

**SEX**

Female, spayed

**AGE**

13 Yrs.

**WEIGHT**

8.4 lbs.

**INTERPRETED BY**

Andrea Nicastro, DVM,  
Diplomate ACVIM  
(*Small Animal Internal  
Medicine*)

**IMAGING  
PERFORMED BY**

Dr. Logas

**HOSPITAL NAME**

Bradentown VH

**REFERRING VET**

Dr. Logas

**INVOICE**

13388

**DATE**

5/17/22

**PRESENTING CLINICAL SIGNS**

History: Pre-dental chemistry and CBC showed thrombocytopenia confirmed with second CBC 2 weeks later and blood smear review. No symptoms  
Abnormal PE/Chem/CBC/UA Results: platelets 52,000

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

*Urinary System*

The urinary bladder, trigone, and pelvic urethra are normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended with anechoic urine. No masses, inflammatory changes or calculi are observed. The region of the trigone is normal.

The left kidney is normal size (3.27 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter.

The right kidney is normal size (3.22 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

*Adrenal Glands*

The left adrenal gland is normal size (0.54 cm at cranial pole) (0.47 cm at caudal pole) (1.66 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

The right adrenal gland is normal size (0.95 cm at cranial pole) (0.45 cm at caudal pole) (1.34 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

*Spleen*

The spleen is normal in size (1.08 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

*Liver*

The liver is subjectively prominent in size with rounding of the right lateral lobe. The parenchyma is isoechoic to hyperechoic relative to the spleen and slightly mottled in appearance. In the region of the right lateral lobe, a 1.16 cm ill-defined hypoechoic nodule/area is visualized. Vascular and biliary tracts are of normal volume with no evidence of congestion. The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal/not seen.

*Gastrointestinal*

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The



**PATIENT**

Boo Trettau

pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive disease is noted.

**SPECIES**

Canine

*Pancreas*

The right limb of the pancreas is prominent in size with minimal deviation from the normal peripheral contours. The parenchyma is hyperechoic relative to surrounding omental fat and subtly mottled in appearance. A 0.57 cm anechoic cyst is observed within the parenchyma. The pancreatic duct is not overtly dilated.

**BREED**

Maltese mix

*Free Abdomen*

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. A 1.16 cm medial iliac lymph node is visualized.

**SEX**

Female, spayed

**AGE**

13 Yrs.

**ULTRASONOGRAPHIC FINDINGS**

**Primary Findings:**

- The pancreatic changes are most consistent with age-related parenchymal remodeling, potentially secondary to a prior inflammatory episode, early fibrosis or chronic pancreatitis. The pancreatic cyst is likely incidental.
- The diffuse hepatic changes are non-specific and could be consistent with vacuolar hepatopathy, regenerative nodular hyperplasia, and/or age-related remodeling. Inflammatory and infiltrative disease are considered less likely. However, correlation with the patient's liver values is recommended.

**WEIGHT**

8.4 lbs.

**Secondary Findings:**

- Bilateral, minor chronic age-related renal changes.

\*An obvious cause for the patient's thrombocytopenia is not identified in this study. Considerations include destruction (i.e., immune mediated, secondary to tick-borne disease), occult hemorrhage, bone marrow disease, sequestration, other.

**INTERPRETED BY**

Andrea Nicastro, DVM,  
Diplomate ACVIM  
(*Small Animal Internal  
Medicine*)

**IMAGING  
PERFORMED BY**

Dr. Logas

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**HOSPITAL NAME**

Bradentown VH

- Thoracic radiographs (three-view) are recommended to assess for occult neoplasia in the chest.
- A comprehensive tick panel, including PCR and serology (submission to North Carolina State University's Vector Borne Disease Diagnostic Lab) is recommended.  
<https://cvm.ncsu.edu/research/labs/clinical-sciences/vector-borne-disease/>
- While awaiting test results, consider empirical treatment for tick-borne disease (i.e., Doxycycline).

**REFERRING VET**

Dr. Logas

**INVOICE**

13388

**DATE**

5/17/22



**PATIENT**

Boo Trettau

**SPECIES**

Canine

**BREED**

Maltese mix

**SEX**

Female, spayed

**AGE**

13 Yrs.

**WEIGHT**

8.4 lbs.

**INTERPRETED BY**

Andrea Nicastro, DVM,  
Diplomate ACVIM  
(Small Animal Internal  
Medicine)

**IMAGING  
PERFORMED BY**

Dr. Logas

**HOSPITAL NAME**

Bradentown VH

**REFERRING VET**

Dr. Logas

**INVOICE**

13388

**DATE**

5/17/22



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



**PATIENT**

Boo Trettau

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.

**SPECIES**

Canine

Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)

Andrea.nicastro@sonopath.com

**BREED**

Maltese mix

**SEX**

Female, spayed

**AGE**

13 Yrs.

**WEIGHT**

8.4 lbs.

**INTERPRETED BY**

Andrea Nicastro, DVM,  
Diplomate ACVIM  
(*Small Animal Internal  
Medicine*)

**IMAGING  
PERFORMED BY**

Dr. Logas

**HOSPITAL NAME**

Bradentown VH

**REFERRING VET**

Dr. Logas

**INVOICE**

13388

**DATE**

5/17/22