



PATIENT

Tilly McKenna

SPECIES

Canine

BREED

Chihuahua

SEX

Spayed Female

AGE

11 Years

WEIGHT

6.22 Pounds

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Agnes Rupley, DVM

HOSPITAL NAME

All Pets Medical Center

REFERRING VET

Agnes Rupley, DVM

INVOICE

22902

DATE

6/12/23

PRESENTING CLINICAL SIGNS

History: PRESENTED FOR: Weight loss and low albumin HISTORY: Weight decreased from 6.38 pounds on 05/13/2023 to 5.98 on 5/25/23. On 5/25/23 the chemistry panel reveals persistent low albumin and elevated amylase. Urinalysis results revealed pH of 7.5 and low Specific Gravity: 1.016. Previous testing in medical records obtained reveal no parasites observed and antigen negative for hookworms, whipworms, roundworms, Giardia, or heartworms. SDMA and creatinine normal. EXAM: B/S 3/9. Grade IV/VI holostolic left basilar heart murmur. Dental disease. MLP 2/4. Flea allergy dermatitis Ruling out causes of hypoalbuminemia. Submitted fasting and 2 h post prandial bile acids and GI panel. Urine protein : creatinine testing declined.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Urinary bladder is adequately distended with anechoic contents. No masses, inflammatory changes, echogenic sediment or cystoliths are observed. The urinary bladder, trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.

Left kidney is normal in size (3.31 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.

Right kidney is normal in size (3.6 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.

Adrenal Glands

Left adrenal gland is normal in size (0.52 cm at cranial pole and 0.79 cm at caudal pole), shape and overall architecture, echogenicity and echotexture. Visible surrounding vasculature appears normal.

Right adrenal gland is normal in size (0.43 cm at cranial pole and 0.56 cm at caudal pole), shape and overall architecture, echogenicity and echotexture. Visible surrounding vasculature appears normal.

Spleen

Spleen is subjectively normal in size with a normal smooth capsular contour. Parenchyma is appropriately finely textured and homogenous with normal echogenicity relative to surrounding tissue (hyperechoic to liver). No focal nodules or masses are observed. Splenic vasculature appears normal.

Liver

Liver is subjectively normal in size with normal smooth curvilinear peripheral contour. Parenchyma is appropriately hypoechoic to the spleen in echogenicity and appropriately mildly coarse and homogenous in echotexture. No focal lesions are observed. Visible vasculature and biliary tree appear normal without distension or congestion.

Gallbladder is moderately distended with anechoic bile as well as suspended and gravity dependent echogenic debris. The wall is smooth without visible thickening. There is no evidence of cystic or CBD dilation. There is no evidence of effusion or inflammation.

Gastrointestinal



PATIENT

Tilly McKenna

The visible stomach wall is normal in thickness and layering. The lumen of the stomach is empty with no evidence of obstruction, foreign material or infiltrative disease. Pyloric outflow tract appears patent.

SPECIES

Canine

Small intestine is diffusely mildly thick with a relatively thick mucosa compared to other layers. Normal wall layering is preserved; however, the mucosa is more echogenic than normal and contains hyperechoic striations perpendicular to the lumen. The lumen of the small intestine is empty with no evidence of obstruction or foreign material.

BREED

Chihuahua

The visible colon is normal in wall thickness and layering. Contents are consistent with normal formed feces and gas.

Pancreas

SEX

Spayed Female

The observed pancreas appears appropriately isoechoic to surrounding omental fat. Visible capsule is smooth and normal in contour. Visible pancreatic parenchyma is homogenous and unremarkable. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.

Free Abdomen

AGE

11 Years

A very scant amount of anechoic free fluid is noted. There is no apparent lymphadenopathy.

ULTRASONOGRAPHIC FINDINGS

WEIGHT

6.22 Pounds

- Lymphangiectasia – Small bowel findings are most consistent with lacteal dilation. These findings can be observed with protein-losing enteropathies caused by either primary lymphangiectasia or primary infiltrative inflammatory disease with secondary lymphangiectasia. Infiltrative neoplasia is possible but considered less likely. Histopathology is necessary to definitively determine underlying cause.

INTERPRETED BY

Beth Johnson, DVM
DACVIM

- Moderate gallbladder debris - Cholecystic debris is of unknown clinical significance. It can be seen with biliary stasis from fasting or illness. Cholecystic debris is not necessarily related to hepatobiliary disease. Echogenic bile is most commonly an incidental finding in dogs and should be interpreted in combination with clinical signs such as nausea, inappetence, cranial abdominal discomfort and/or laboratory changes such as increased ALP and/or increased Tbili.

IMAGING PERFORMED BY

Agnes Rupley, DVM

- A very scant amount of anechoic free fluid, likely secondary to this patients reported hypoalbuminemia.

HOSPITAL NAME

All Pets Medical Center

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

A gastrointestinal malabsorption panel (including cobalamin, folate, TLI and PLI) to Texas A&M GI Laboratory is recommended for further evaluation of GI and pancreatic function.

REFERRING VET

Agnes Rupley, DVM

A baseline cortisol is recommended. If baseline cortisol is less than 2, a full ACTH stimulation test is recommended to rule out hypoadrenocorticism.

INVOICE

22902

Ideally, biopsies of the GI tract are recommended to definitively diagnose and therefore manage the infiltrative bowel process.

DATE

6/12/23

If biopsies cannot be obtained safely due to low albumin or patient stability, etc., empirical therapies could include diet change to an ultra-low-fat diet, empirical deworming with a 5-day course of Panacur, cobalamin supplementation (unless cobalamin level is evaluated and supplementation is not



PATIENT

Tilly McKenna

warranted) a probiotic and prednisolone (if not contraindicated based on patient contraindications, co-morbidities, etc.). Calcium monitoring, and supplementation, if necessary, is also recommended.

SPECIES

Canine

Additionally, if patient's coagulation status is otherwise appropriate, anti-thrombotics such as clopidogrel or low dose aspirin may also be warranted.

BREED

Chihuahua

If not recently evaluated, to rule out concurrent proteinuria as a contributing factor to the hypoalbuminemia, urinalysis and, if indicated based on urinalysis results, urine culture is recommended. If protein is present in an otherwise quiet sediment, protein quantification with a urine protein to creatinine ration is recommended.

SEX

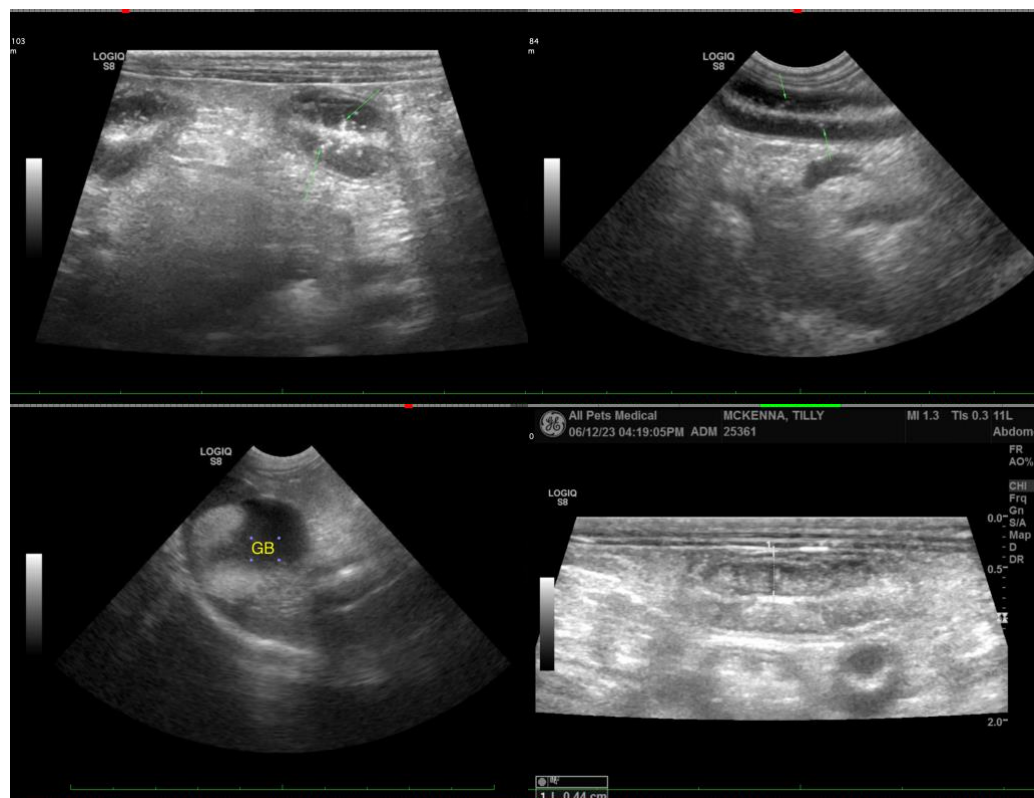
Spayed Female

AGE

11 Years

WEIGHT

6.22 Pounds



INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Agnes Rupley, DVM

HOSPITAL NAME

All Pets Medical Center

REFERRING VET

Agnes Rupley, DVM

INVOICE

22902

DATE

6/12/23



PATIENT

Tilly McKenna

SPECIES

Canine

BREED

Chihuahua

SEX

Spayed Female

AGE

11 Years

WEIGHT

6.22 Pounds

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Agnes Rupley, DVM

HOSPITAL NAME

All Pets Medical Center

REFERRING VET

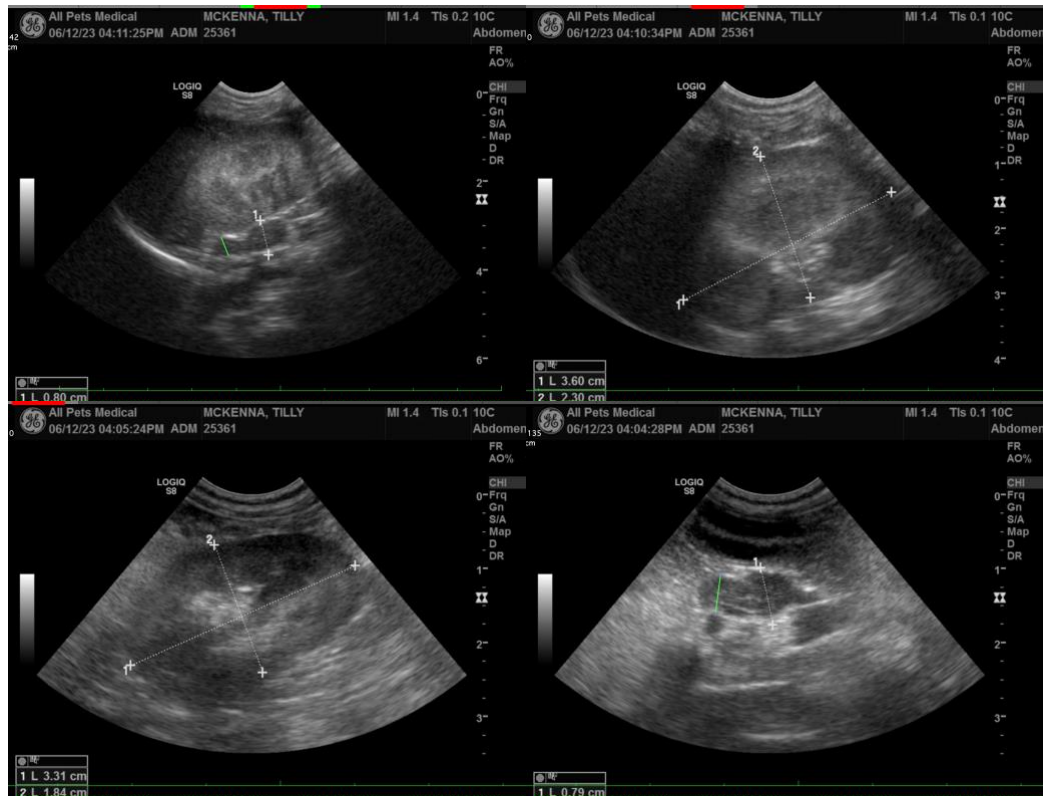
Agnes Rupley, DVM

INVOICE

22902

DATE

6/12/23



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.

Beth Johnson, DVM DACVIM

info@sonopath.com