



PATIENT

Milly Chunn

SPECIES

Canine

BREED

Bichon Frise

SEX

Female, spayed

AGE

12 Yrs.

WEIGHT

6 kg.

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Tom McNeill

HOSPITAL NAME

SVS Imaging CT

REFERRING VET

Dr. Thomas

INVOICE

14537

DATE

2/1/23

PRESENTING CLINICAL SIGNS

History: Milly presented to the MVS Emergency service for evaluation of vomiting, inappetance, and abdominal pain.

Abnormal PE/Chem/CBC/UA Results: Labwork from pcDVM on 1/31/23 CBC: WBC 19.82 (H), Neut 17.43 (H), Mono 1.45 (H), Lymph 0.94 (L), Eos 0.0 (L) Chem14: ALT 858 (H), ALP 256 (H), rest WNL T4: 1.0 4Dx: Neg x4

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder wall is 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 in size (4.04 cm in length) with a normal shape, smooth peripheral margins and normal internal architecture. There is mild loss of corticomedullary distinction. Several hyperechoic shadowing diverticular foci are observed. A few small non-obstructive nephroliths are visualized. There is no evidence of pyelectasia, infarcts or hydronephrosis.

The right kidney is normal size (4.46 cm in length) with a normal shape, smooth peripheral margins and normal internal architecture. There is mild loss of corticomedullary distinction. Several hyperechoic shadowing diverticular foci are observed. A few small non-obstructive nephroliths are visualized. There is no evidence of pyelectasia, infarcts or hydronephrosis.

Adrenal Glands

The left adrenal gland is borderline enlarged (0.52 cm at cranial pole) (0.57 cm at caudal pole); 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 (0.36 cm at cranial pole) (0.38 cm at caudal pole); 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 (1.51 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. Several ill-defined myelolipomas are observed along the medial aspect. Splenic vasculature is normal.

Liver

The liver is subjectively normal in size with normal curvilinear peripheral contours. The parenchyma is isoechoic relative to the spleen and diffusely homogeneous in appearance. No distinct focal lesions are observed. Vascular and biliary tracts are of normal volume with no evidence of congestion. The gall bladder lumen is distended. The wall is normal in thickness. A moderate amount of aggregated, echogenic suspended sludge in a stellate pattern is observed within the lumen. The common bile duct is dilated (up to 0.55 cm) and contains echogenic material. It can be followed to the level of the duodenal papilla, which measures 0.58 cm in diameter.



PATIENT

Gastrointestinal

Milly Chunn

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 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 ileocecolic junction and colonic wall are normal. No obstructive disease is noted.

SPECIES

Canine

Pancreas

BREED

Bichon Frise

The right limb is visible/prominent with minimal deviation from the normal peripheral contours. The parenchyma is hypoechoic relative to surrounding omental fat. No focal lesions are observed. The pancreatic duct is not overtly dilated. Surrounding mesentery is hyperechoic.

SEX

Female, spayed

Free Abdomen

Trace free fluid is observed adjacent to the gallbladder. At least one prominent mesenteric lymph node is visualized, measuring 1.78 cm in length. The node is normal in shape and echogenicity.

AGE

12 Yrs.

ULTRASONOGRAPHIC FINDINGS

WEIGHT

6 kg.

Primary Findings:

- The gallbladder changes are consistent with a fully formed mucocele. Adjacent peritonitis is present. There is possible extension of the mucocele into the common bile duct (vs. echogenic debris).
- The pancreatic changes in the right limb are most consistent with mild acute or chronic active pancreatitis.
- Non-specific diffuse hepatopathy. Differentials include inflammatory disease (i.e., bacterial cholangiohepatitis, chronic hepatitis), hepatotoxicosis (i.e., copper), vacuolar hepatopathy, other hepatopathy.

INTERPRETED BY

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

Secondary Findings:

- Bilateral, chronic age-related renal changes with non-obstructive nephrocalcinosis.
- Borderline left adrenomegaly.
- Splenic myelolipomas.
- The prominent mesenteric lymph node is likely reactive.

**IMAGING
PERFORMED BY**

Tom McNeill

HOSPITAL NAME

SVS Imaging CT

REFERRING VET

Dr. Thomas

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

An emergency cholecystectomy is recommended due to the potential for gallbladder rupture with subsequent bile/septic peritonitis. Liver biopsies should also be obtained at the time of surgery. Prior to surgery, thoracic radiographs and clotting times (i.e., PT/PTT) are recommended. In the meantime, supportive care including fluid therapy, broad spectrum antibiotics, pain medication and other symptomatic measures is recommended.

INVOICE

14537

DATE

2/1/23



PATIENT

Milly Chunn

SPECIES

Canine

BREED

Bichon Frise

SEX

Female, spayed

AGE

12 Yrs.

WEIGHT

6 kg.

INTERPRETED BY

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

IMAGING PERFORMED BY

Tom McNeill

HOSPITAL NAME

SVS Imaging CT

REFERRING VET

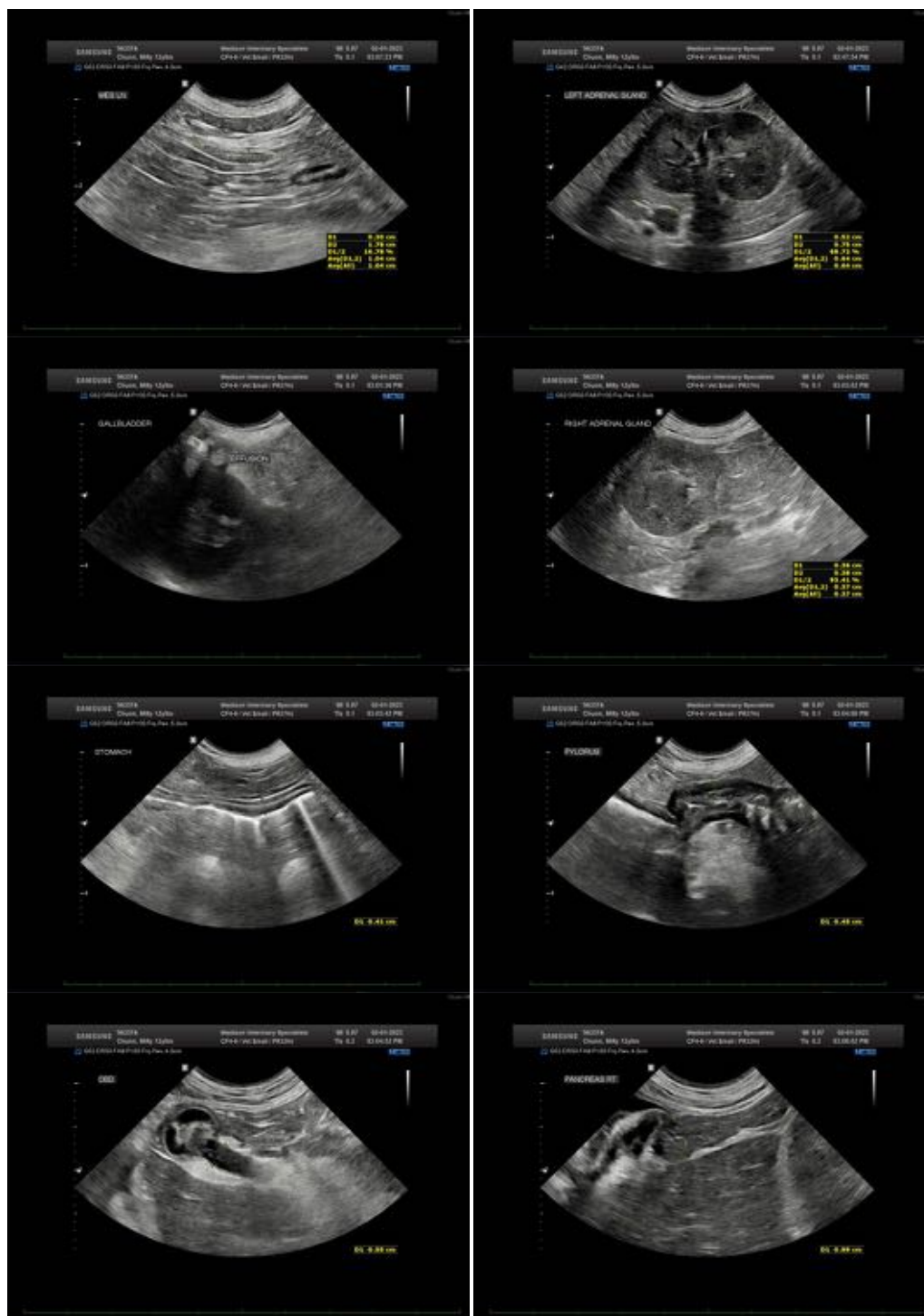
Dr. Thomas

INVOICE

14537

DATE

2/1/23





PATIENT

Milly Chunn

SPECIES

Canine

BREED

Bichon Frise

SEX

Female, spayed

AGE

12 Yrs.

WEIGHT

6 kg.

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Tom McNeill

HOSPITAL NAME

SVS Imaging CT

REFERRING VET

Dr. Thomas

INVOICE

14537

DATE

2/1/23



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.

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.

Andrea Nicastro, MPH, DVM, Diplomate DACVIM (Small Animal Internal Medicine)
info@SonoPath.com