



PATIENT

Cakes Murphy

SPECIES

Canine

BREED

Yorkie

SEX

Female, spayed

AGE

12 Yrs. 2 months

WEIGHT

5.15 kg.

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Brian Barnes

HOSPITAL NAME

Westview VH

REFERRING VET

Dr. Brian Barnes

INVOICE

13980

DATE

9/19/22

PRESENTING CLINICAL SIGNS

History: Not eating, vomiting,
Abnormal PE/Chem/CBC/UA Results: CBC- lymphopenia 0.9 (1-5) pct 48% (14-46) CHEM alkphos 312 (23-212) na 141 (144-160) cl 104 (109-122) TT4 low normal 13 (13-51) SDMA wnl Snap cPI- Abnormal Spec Cpl 116 (0-200)

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder and visible portion of the pelvic urethra are normal for the degree of luminal distension. The urine is anechoic with no evidence of debris. Cystic calculi and discrete masses are not observed. The region of the trigone is normal.

The left kidney is normal size (3.80 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. A few pinpoint to hyperechoic to mineralized foci are visualized within the cortex. Several non-obstructive nephroliths are visualized. There is no evidence of pyelectasia, infarcts or hydroureter.

The right kidney is normal size (3.74 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. A few pinpoint to hyperechoic to mineralized foci are visualized within the cortex. Several non-obstructive nephroliths are visualized. There is no evidence of pyelectasia, infarcts or hydroureter.

Adrenal Glands

The left adrenal gland is mildly enlarged (0.53 cm at cranial pole) (0.63 cm at caudal pole) (1.69 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 (0.82 cm at cranial pole) (0.65 cm at caudal pole) (1.80 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 (1.19 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. A few ill-defined myelolipomas are observed in the region of the hilus. Splenic vasculature is normal.

Liver

The liver is subjectively prominent in size with slightly irregular peripheral contours. The parenchyma is hyperechoic relative to the spleen and diffusely mottled with numerous varying sized hypoechoic nodules/masses noted throughout the organ. Vascular and biliary tracts are of normal volume with no evidence of congestion. No pathological hepatic lymphadenopathy observed. The gall bladder lumen is mildly to moderately distended. The wall is normal in thickness. A moderate amount of aggregated echogenic suspended sludge is observed in a partially stellate pattern is observed within the lumen. The cystic and common bile ducts are normal/not seen.



PATIENT

Cakes Murphy

SPECIES

Canine

BREED

Yorkie

SEX

Female, spayed

AGE

12 Yrs. 2 months

WEIGHT

5.15 kg.

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Brian Barnes

HOSPITAL NAME

Westview VH

REFERRING VET

Dr. Brian Barnes

INVOICE

13980

DATE

9/19/22

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 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.

Pancreas

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

Free Abdomen

Trace free fluid is observed. A few prominent mesenteric lymph nodes are visualized, the largest measuring 3.53 cm in length.

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- The hepatic parenchymal changes are most concerning for infiltrative neoplasia (i.e., lymphoma or other round cell tumor), however a multifocal inflammatory process cannot be excluded.
- The gallbladder changes are consistent with an emerging mucocele.
- The prominent abdominal lymph nodes are most consistent with reactive lymphadenitis or lymphoid hyperplasia. Neoplastic infiltration is considered less likely.

Secondary Findings:

- Bilateral minor degenerative renal changes with non-obstructive nephrolithiasis.
- Borderline bilateral adrenomegaly.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Thoracic radiographs are recommended to assess for neoplasia in the chest.
- A fine needle aspirate of the liver is recommended (if clotting status is appropriate). A 25 gauge needle should be used. If cytology results are inconclusive, surgical biopsies and cultures may be necessary to get a definitive diagnosis.
- Regarding the gallbladder changes, consider initiation of Ursodiol with serial sonographic monitoring (i.e., every 2-3 months) to assess for progression.



PATIENT

Cakes Murphy

SPECIES

Canine

BREED

Yorkie

SEX

Female, spayed

AGE

12 Yrs. 2 months

WEIGHT

5.15 kg.

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Brian Barnes

HOSPITAL NAME

Westview VH

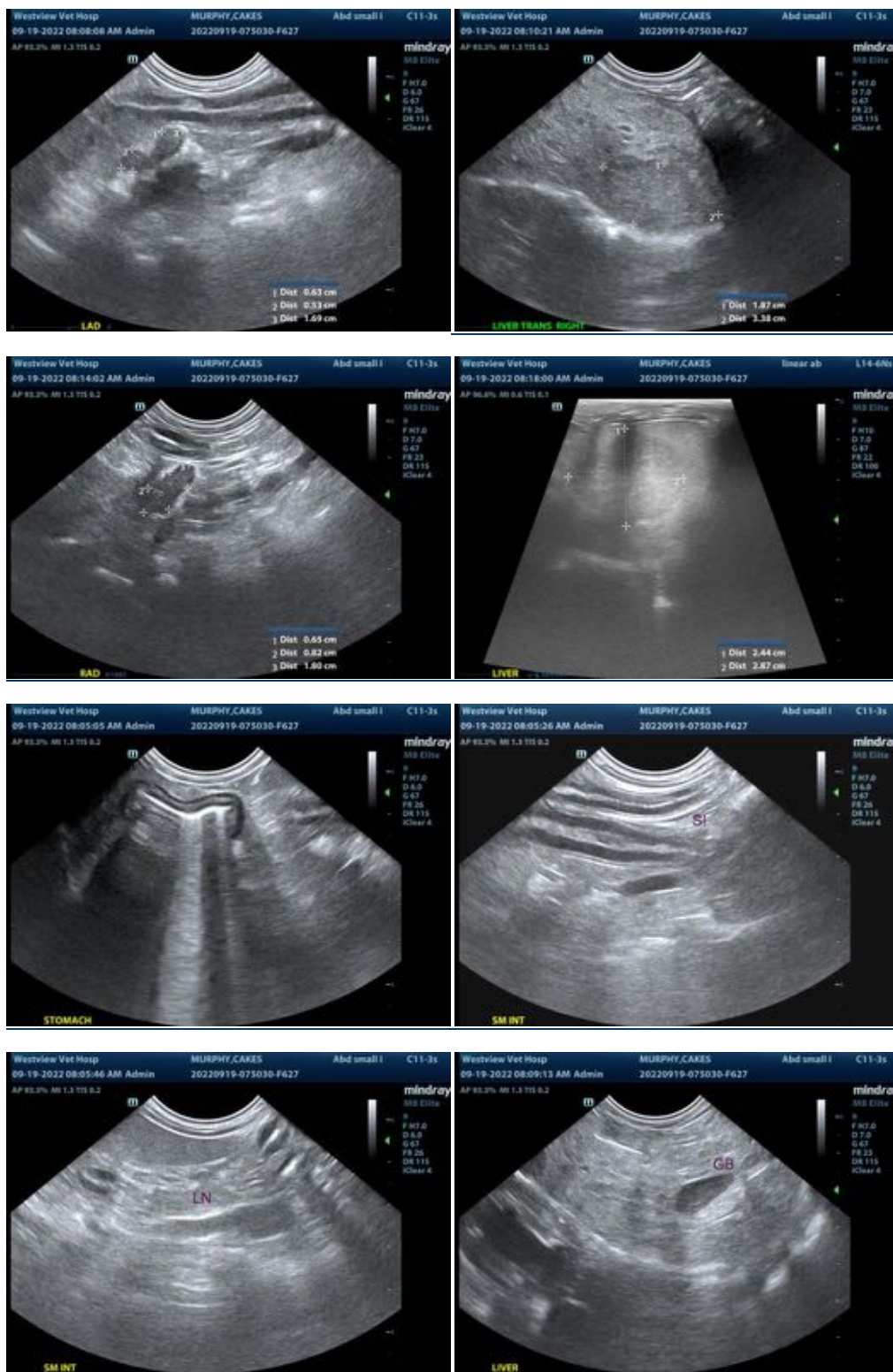
REFERRING VET

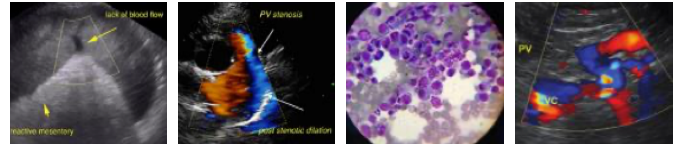
Dr. Brian Barnes

INVOICE

13980

DATE
9/19/22





PATIENT

Cakes Murphy

SPECIES

Canine

BREED

Yorkie

SEX

Female, spayed

AGE

12 Yrs. 2 months

WEIGHT

5.15 kg.

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Brian Barnes

HOSPITAL NAME

Westview VH

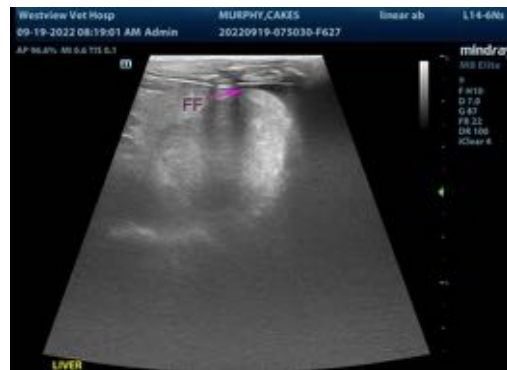
REFERRING VET

Dr. Brian Barnes

INVOICE

13980

DATE
9/19/22



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