



**DATE PRESENTING CLINICAL SIGNS**

9/6/22

Pre-dental bw showed elevated values. decreased appetite. Current meds: Probiotic sid, Miralax bid, O discontinued Denamarin and Metronidazole on 9/2. U/S findings: Likely reactive hepatopathy, no evidence of significant pathology.

**INTERPRETED BY**

L.D. McGill, DVM,  
Ph.D, DACVP

The liver images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen.

Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content.

The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory infiltrative or regenerative pathology was evident.

**PATIENT**

Gracie Wolfe

ALT 528, SDMA - 14, Lymph - 49

**CYTOLOGY SUBMISSION**

**SPECIES**

Feline

FNA of Liver

**OBSERVATIONS**

**BREED**

DSH

Liver: Submitted are 3 excellent videos of excellent collections of cells from the liver in Gracie. There are good collections of hepatocytes. Most of the hepatocytes demonstrate variable vacuolization of the cytoplasm. Occasionally the vacuoles are quite large. There is slight granularity to the cytoplasm as well. Interspersed throughout the hepatocytes and in the red blood cells are large numbers of leukocytes. Lymphoid cells are prominent. There is some variation in the lymphoid cells. Neutrophils are scattered throughout. The lymphoid cells appear to be present in higher numbers than I would expect for inflammation.

**SEX**

FS

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Liver - Moderate hepatocellular vacuolization consistent with feline fatty liver syndrome and increased numbers of lymphoid cells suggestive of lymphoma.

**AGE**

7y

**COMMENTS**

**WEIGHT**

8.1#

There is prominent hepatocellular vacuolization supporting feline fatty liver syndrome as the major process within hepatocytes. The concern is the large number of lymphoid cells in the surrounding red blood cells throughout all of the fields of these excellent collections. The cells are slightly varied and have prominent nucleoli. I am concerned that there is early lymphoma in this liver.

Immunophenotyping the cells or flow cytometry or follow up biopsies need to be utilized to confirm the diagnosis. Other considerations would be chronic pancreatitis or enteritis in Gracie. A guarded to unfavorable prognosis is warranted due to the concern of the lymphoid cells and evidence that the hepatocellular vacuolization is secondary.

**HOSPITAL NAME**

Animal Care Centers

**REFERRING VET**

Dr. Hallihan

**INVOICE NUMBER**

40595



**DATE**

9/6/22

**INTERPRETED BY**

L.D. McGill, DVM,  
Ph.D, DACVP

**PATIENT**

Gracie Wolfe

**SPECIES**

Feline

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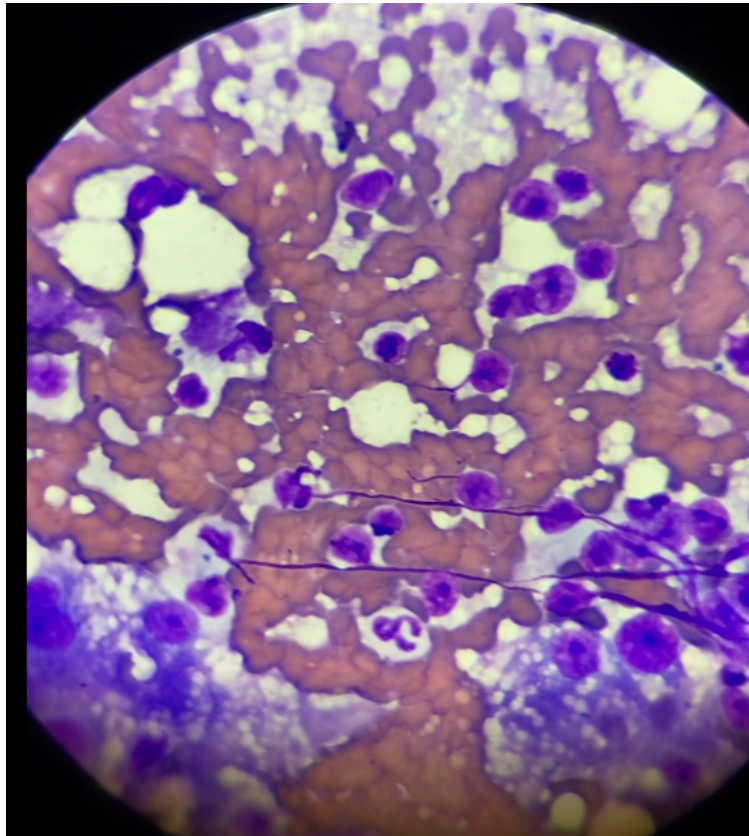


Image shows some representative hepatocytes with lipidosis and surrounding lymphoid cells in the RBCs collected from the liver in Gracie. Note the prominent nucleoli in the lymphoid cells.

**AGE**

7y

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.

**WEIGHT**

8.1#

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.

**HOSPITAL NAME**

Animal Care Centers

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