



**DATE** 3/12/22 **PRESENTING CLINICAL SIGNS** US showed enlarged spleen with infiltrative pattern with mass. FNA of spleen and liver performed. R/O round cell vs reactive spleen.

**INTERPRETED BY** Liver; spleen

L.D. McGill, DVM,

Ph.D, DACVP

**OBSERVATIONS**

Liver: Submitted are 3 excellent videos of excellent collections of cells from the liver in Jessie. The hepatocytes have some normal structure but they also demonstrate vacuolization irregularly throughout the cells. There are scattered neutrophils and lymphocytes associated with the hepatocytes. There are no changes in the liver that confirm malignancy.

**PATIENT**

Jessie Murphy

Spleen: Submitted are 4 excellent videos of excellent collections of cells from the spleen in Jessie. The cellularity is mixed but the majority of the cells are round cells. These round cells are showing variable nuclear characteristics with prominent bluish gray cytoplasm. Some of the nuclei contained nucleoli. This cellularity is somewhat overwhelming the other cells in the collection. There are large clumps of these cells as well. These are lymphoid cells supporting irregular atypical patterns of growth. Inflammation is present but secondary.

**SPECIES**

Feline

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Liver - Mild hepatocellular vacuolization consistent with early feline fatty liver syndrome.  
Spleen - Increased numbers of lymphoid cells with atypia consistent with splenic lymphoma.

**BREED**

DSH

**COMMENTS**

The changes in this liver tissue supports secondary changes and early hepatic lipidosis. There is some inflammation. Whether or not it is infiltrated with neoplastic lymphoid cells is difficult to identify since they are few in numbers.

**SEX**

Male Neutered

The major changes are in the spleen where there is marked lymphoid cellular infiltration supporting splenic lymphoma. This appears to be an intermediate to high grade cellular lymphoma. Confirmation can be undertaken with PARR testing on these slides. They can be submitted to the laboratory to confirm lymphoma. This is particularly necessary if chemotherapy is contemplated. With the appearance of the cells in the spleen, a guarded to unfavorable prognosis is warranted in my opinion.

**AGE**

9y

**WEIGHT**

N/A

**HOSPITAL NAME**

Newton Veterinary Hospital

**REFERRING VET**

Dr. Barron

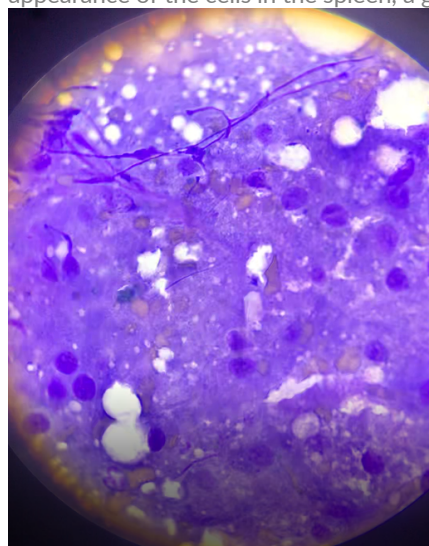


Image shows hepatocytes with irregular vacuolization collected from Jessie. The vacuoles are irregular supporting early lipidosis.

**INVOICE NUMBER**

686



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**INTERPRETED BY**

L.D. McGill, DVM,

Ph.D, DACVP

**PATIENT**

Jessie Murphy

**SPECIES**

Feline

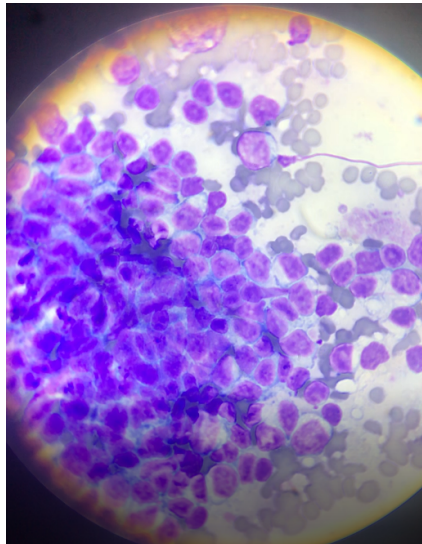


Image shows irregular lymphoid cells collected from the spleen in Jessie. Note the nucleoli and irregular lymphoid cells. Some are quite large.

**BREED**

DSH

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.

**SEX**

Male Neutered

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.

**AGE**

9y

**L.D. McGill, DVM, Ph.D., DACVP**  
8288 Top of the World Drive  
Cottonwood Heights, UT 84121  
ldmcgill.vetpath@gmail.com  
cell: 801-865-1220

**WEIGHT**

N/A

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