



**DATE PRESENTING CLINICAL SIGNS**

3/7/23 History of weight loss and elevated liver enzymes. FNA of both liver and spleen.  
CBC: WNL. Chem: T.P. 8.0, glob. 5.0, ALT 2666, AST 482, ALP 1248, GGT 38, T. bili 0.6.

**INTERPRETED BY CYTOLOGY SUBMISSION**

Liver; spleen

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

**PATIENT**

Mickey Quadrini

**OBSERVATIONS**

Liver: Submitted are 9 excellent images and one video of hepatocytes collected from the liver tissue in Mickey. The hepatocytes show vacuolization of the cytoplasm and a mixed cell collection in the surrounding fluid. There are neutrophils with rare lymphocytes. There is no suggestion of neoplasia. Inflammation is prominent.

Spleen: Submitted are 8 excellent images and one video of cells collected from the spleen in Mickey. The cellularity is mixed with prominent neutrophils and some macrophages. There are lymphocytes and nucleated RBCs. There are clumps of reactive mesothelial cells in some fields. There is no suggestion of neoplasia. Inflammation is observed.

**SPECIES**

Canine

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Liver - Hepatocellular vacuolization with mild suppurative inflammation.  
Spleen - Mild chronic suppurative splenitis.

**BREED**

Lhasa Apso

**COMMENTS**

There are changes in this liver and spleen that suggest inflammation. This could be secondary to inflammation in the intestine or pancreas. There is no suggestion of malignancy. The hepatocellular vacuolization supports cell membrane leakage or fluid build up. This could be due to aging hepatocyte membranes or other metabolic liver changes. These changes appear to be secondary and not primary. There are very likely inflammatory changes in some other organ in the abdominal cavity. Continued evaluation is encouraged. A guarded prognosis is warranted since the underlying process is not identified.

**AGE**

11y

**WEIGHT**

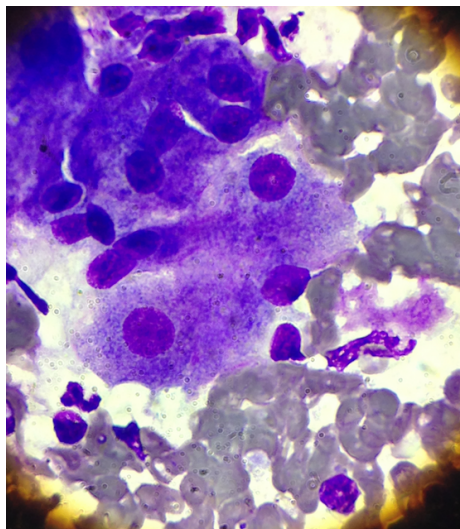
15lbs

**HOSPITAL NAME**

Franklin Lakes Animal  
Hospital

**REFERRING VET**

Dr. Onesios



**INVOICE NUMBER**

907



**DATE**

3/7/23

**INTERPRETED BY**

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

**PATIENT**

Mickey Quadrini

**SPECIES**

Canine

**BREED**

Lhasa Apso

**SEX**

Male Neutered

**AGE**

11y

**WEIGHT**

15lbs

**HOSPITAL NAME**

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**REFERRING VET**

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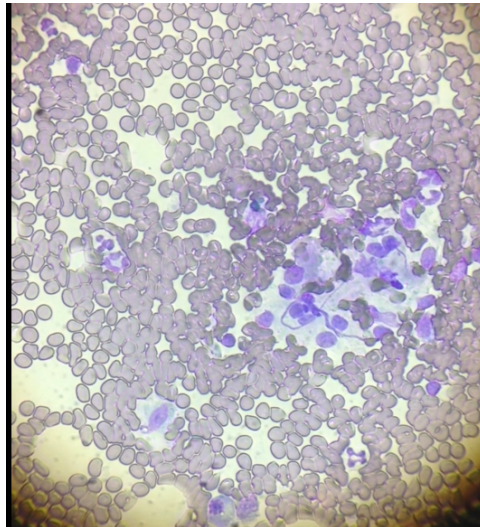


Image shows representative cells collected from the spleen in Mickey. The cellularity is mixed with neutrophils, nucleated RBCs and some macrophages and lymphocytes.

**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.

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

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