



**DATE** **PRESENTING CLINICAL SIGNS**  
9/2/22 History of splenic nodule and heterogenous liver.

**INTERPRETED BY** **CYTOLOGY SUBMISSION**  
L.D. McGill, DVM, Ph.D, DACVP FNA of both liver and spleen

**OBSERVATIONS**

**PATIENT** Liver: Submitted are 7 images of minimal collections of cells from the liver in Chloe. There is 1 image that demonstrates aggregates of neutrophils in the red blood cells. Several of the other images demonstrate aggregates of platelets. There are 2 or 3 images that demonstrate hepatocytes with mild vacuolization and granularity. There are no characteristics of malignancy.  
Chloe Kent Spleen: There are several images and 2 videos of moderate collections of cells from the spleen in Chloe. The cellularity is mixed. There are small mature lymphocytes and reactive lymphocytes.  
**SPECIES** Atypical lymphoid cells are not identified. Macrophages are identified and there are aggregates of platelets. There is no suggestion of malignancy or sepsis in the spleen.  
Canine

**BREED** **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**  
Shih Tzu Liver - Hepatocellular vacuolization and mild granularity with mild chronic inflammation.  
Spleen - Reactive lymphoid tissue with no evidence of malignancy and evidence of macrophage prominence.

**SEX**

FS

**COMMENTS**

**AGE** The cellularity in this collection is minimal to moderate in the liver. The hepatocytes demonstrate vacuolization and granularity. There are several images of aggregates of platelets suggesting acute collection as expected with aspiration. Splenic cellularity is not specific for any process. It appears to be reactive or possibly associated with a hemolytic process. There were aggregates of platelets in the spleen as well. There is no suggestion of malignancy or sepsis in any of these collections. These changes are likely secondary to other problems in the abdomen. Continued monitoring of other organs including the pancreas and intestine is encouraged particularly if there are clinical signs of abdominal discomfort in Chloe.  
6-year-old

**WEIGHT**

18.1 lbs

**HOSPITAL NAME**

Whippany Veterinary Hospital

**REFERRING VET**

Dr. Cordero

**INVOICE NUMBER**

40593



**DATE**

9/2/22

**INTERPRETED BY**

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

**PATIENT**

Chloe Kent

**SPECIES**

Canine

**BREED**

Shih Tzu

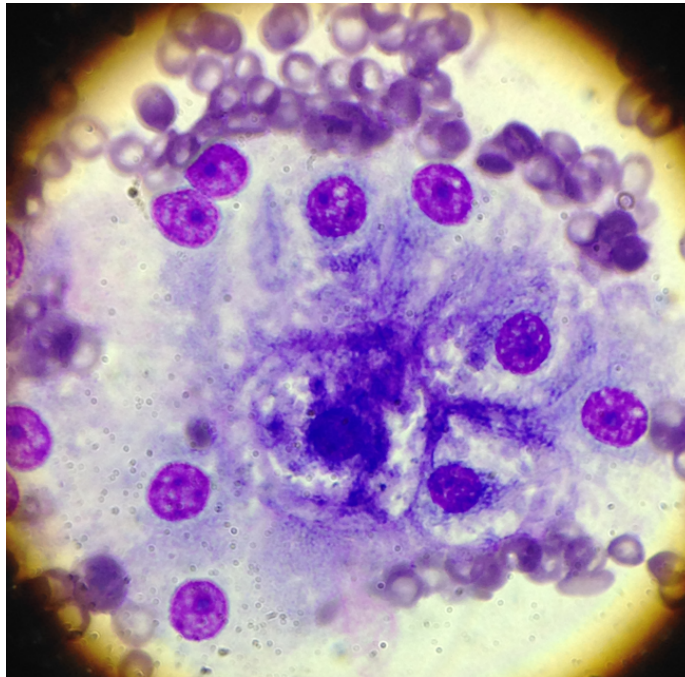


Image shows a representative group of hepatocytes with vacuolization and granularity. Note the uniformity of the nuclei.

**SEX**

FS

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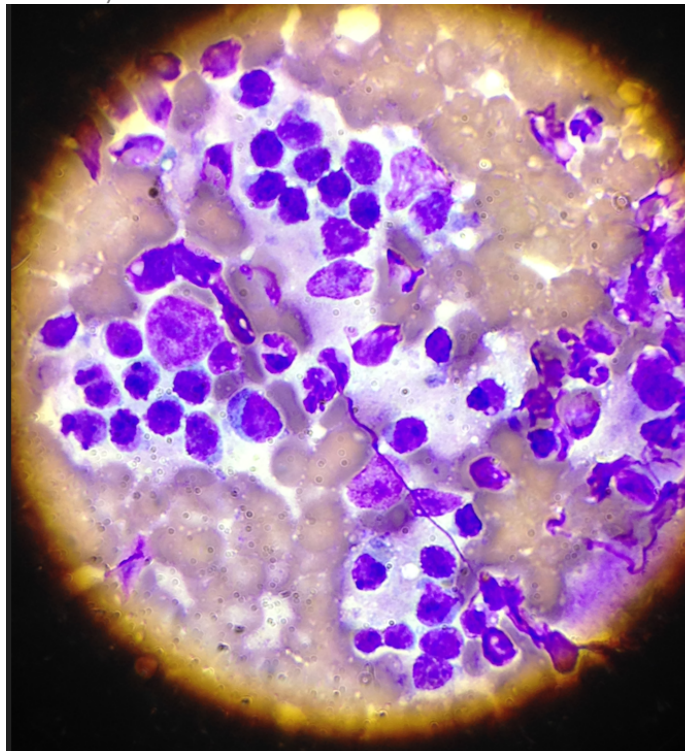


Image shows cells collected from the spleen in Chloe. The lymphocytes are generally small with a couple of macrophages.

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**DATE** 9/2/22 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.

**INTERPRETED BY** L.D. McGill, DVM, Ph.D., DACVP 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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**PATIENT**

Chloe Kent

**SPECIES**

Canine

**BREED**

Shih Tzu

**SEX**

FS

**AGE**

6-year-old

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