



**DATE PRESENTING CLINICAL SIGNS**

3/31/23

History of gagging/retching/vomiting for 1-2 months. Soft stools recently. FNA of spleen parenchyma and solitary splenic nodule.

RADS (thorax/lateral cervical, 2/6/23): WNL

No recent BW, ran CBC prior to FNA, Chem pending.

**INTERPRETED BY**

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

AUS: mild peritoneal effusion, bright mid-abdominal mesentery, hypoechoic splenic nodule (non-distorting, mild capsular deviation). Concern for possible PLE.

**CYTOLOGY SUBMISSION**

Spleen

**PATIENT**

Mila Locke

**OBSERVATIONS**

Spleen: Submitted are 7 excellent videos of excellent collections of cells from the spleen in Mila. The cellularity is mixed throughout the entire collection. There are neutrophils, lymphocytes, nucleated RBCs, macrophages and scattered packets of spindloid cells interspersed with macrophages. Many of the macrophages are laden with hemosiderin. There are scattered plasma cells. Megakaryocytes are prominent. Malignant characteristics are not identified in any of the series. The inflammation appears to be chronic and mixed.

**SPECIES**

Canine

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Spleen - Hematopoietic nodular hyperplasia

**BREED**

Australian Shepherd

**COMMENTS**

The cellularity is mixed supporting mild inflammation but there is also evidence of hematopoiesis throughout the tissue. With the macrophages laden with hemosiderin, this suggests that there has been some hemolysis either intravascularly or within the spleen in Mila. There was no suggestion of malignancy or sepsis. These changes are nonspecific in the spleen and easily could be secondary to other problems. There certainly is no suggestion of a round cell tumor.

**SEX**

Female Spayed

**AGE**

10y

**WEIGHT**

80 lbs

**HOSPITAL NAME**

Scanvet

**REFERRING VET**

Dr. Peyser

**INVOICE NUMBER**

927



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3/31/23

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**PATIENT**

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**BREED**

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**SEX**

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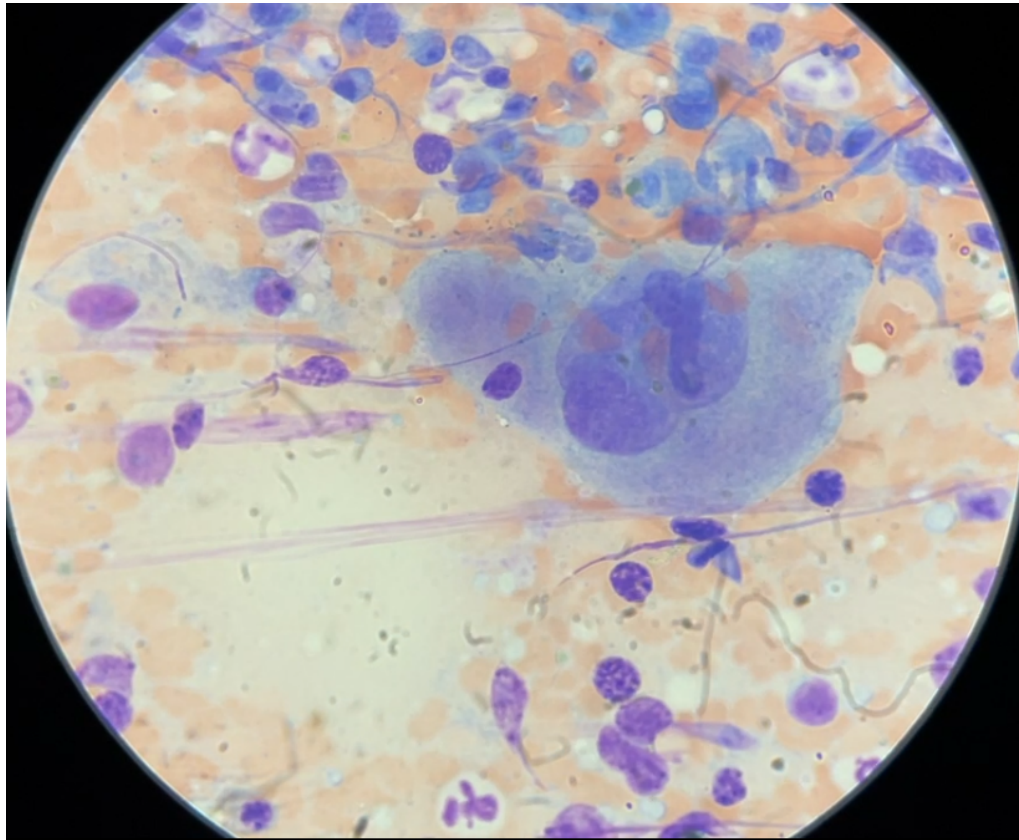


Image shows a representative collection of cells from the spleen in Mila. There is a large megakaryocyte in the center. The other cellularity is mixed.

**AGE**

10y

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**

80 lbs

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**

Scanvet

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