

**DATE PRESENTING CLINICAL SIGNS**

8/14/23

Screening for mets of multiple high grade cutaneous MCT that were removed, subcutaneous MCT also excised.  
Unremarkable CBC/Chem/UA, see attachment.

**INTERPRETED BY**

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

Current Medications Diphenhydramine and Famotidine BID Primary Question/Differential to Be Answered in This Exam Goal: Splenic aspiration to observe for mets of MCT

**CYTOLOGY SUBMISSION**

Spleen

**OBSERVATIONS**

**PATIENT**

Kili Claessens

Spleen: Submitted are 4 excellent videos of moderate to excellent collections of cells from the spleen in Kili. The cellularity consists of a background of red blood cells with large numbers of round cells scattered throughout the collection. In one of the videos, the round cells are mainly those of large irregular lymphoid cells with prominent nucleoli. There are scattered mast cells throughout the collection but they are not aggregated. The other videos do not demonstrate as many atypical lymphoid cells as those in the first video evaluated.

**SPECIES**

Canine

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Spleen - Scattered mast cells with one video demonstrating increased numbers of atypical lymphoid cells.

**BREED**

Mixed Breed

**COMMENTS**

The number of mast cells is increased but not massively and they are not aggregated. If this was neoplastic, I would assume that the aggregation would be prominent. However there is a possibility that aspiration in other locations which show more mast cells. I am concerned about that possibility. The other concern is the increased numbers of atypical lymphoid cells in one of the videos. These appeared to be quite prominent and more than 80% of the lymphoid cells in that site. Confirmation of the presence of atypical lymphoid cells will require further evaluation such as immunophenotyping cells from the spleen. I'm concerned that there are increased numbers of mast cells but they are individualized and thus I cannot confirm malignancy of mast cell nature in the spleen. A guarded prognosis is warranted due to these concerning observations cytologically.

**AGE**

11y

**WEIGHT**

39 lbs

**HOSPITAL NAME**

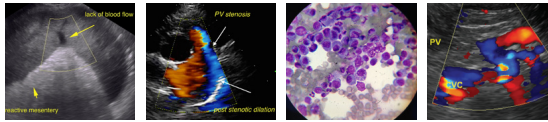
VCA Salem Animal  
Hospital

**REFERRING VET**

Dr. Hallden

**INVOICE NUMBER**

987



**DATE**

8/14/23

**INTERPRETED BY**

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**PATIENT**

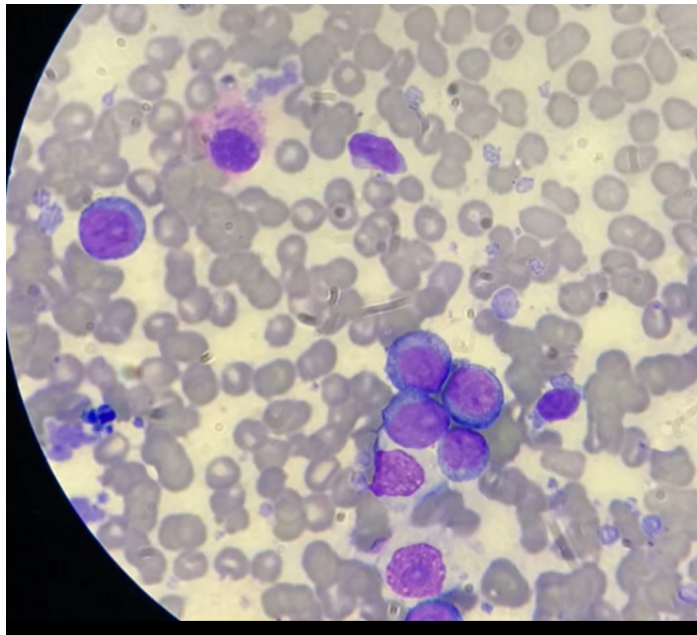
Kili Claessens

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The image shows a slightly degenerate mast cell towards the top with the field of atypical lymphoid cells included in this image of a collection of cells from the spleen in Kili. Note the prominent nucleoli in the lymphoid cells in this collection.

**SEX**

Female Spayed

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.

**AGE**

11y

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**WEIGHT**

39 lbs

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