



DATE PRESENTING CLINICAL SIGNS

9/10/21

Weight loss. US showed mottled spleen with mass on caudal aspect, and severely enlarged abdominal lymph nodes. FNA of splenic mass and lymph node performed.

INTERPRETED BY CYTOLOGY SUBMISSION

FNA of Spleen & Lymph node

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

OBSERVATIONS

Spleen: Submitted are 6 excellent videos of excellent collections of cells from the nodule in the spleen of Alibi. The majority of the cells in this collection are round cells that are large lymphoid cells. The lymphoid cells have nuclei that are 4 to 6 times the size of red blood cells. There are some lymphoid cells that have nuclei that are 2 to 3 times the size of red blood cells. Nucleoli are prominent. The majority of the cells are large lymphoid cells.

PATIENT

Alibi Reabe

Lymph node: Submitted are 4 excellent videos of excellent collections of cells from the mesenteric lymph node in Alibi. The cellularity is mixed with large numbers of eosinophils interspersed with lymphoid cells. Some of these lymphoid cells are large but there are scattered plasma cells and neutrophils. The majority of the cells however are eosinophils. Eosinophilic granules are free around all of the round cells.

SPECIES

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

BREED

Doberman Pinscher

Spleen - Large numbers of atypical lymphoid cells suggestive of high-grade lymphoma.
Lymph node - Severe eosinophilic lymphadenitis with scattered large lymphoid cells.

COMMENTS

SEX

FS

The cellularity in the spleen is strongly supportive of a high-grade lymphoma. The cellularity is rather uniform and consists of mainly atypical lymphoid cells. These cells may also be in the lymph node but the eosinophilic infiltration is hiding this type of cellularity. The inflammation in the lymph node could be secondary to what is occurring in the intestine or a primary eosinophilic infiltration. Occasionally eosinophils will respond to T cell lymphoma cases. If chemotherapy is contemplated, then immunophenotyping of the splenic cells to confirm the specific cell type may be beneficial for prognosis. The slides can be submitted for PCR testing or new slides that are not stained can be submitted for immunocytochemistry staining. Flow cytometry can be beneficial but will require a repeat collection of cells prior to submission to the laboratory. Contacting the laboratory to confirm how to submit flow cytometry samples is encouraged. An unfavorable prognosis is warranted in my opinion with this cellular collection.

AGE

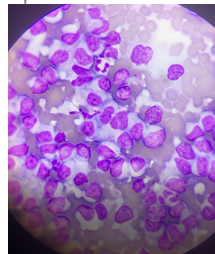
12y

WEIGHT

87#

HOSPITAL NAME

Animal Hospital of
Roxbury



REFERRING VET

Dr. Elia

Image shows large numbers of large lymphoid cells collected from the spleen in Alibi. There are prominent nucleoli.

INVOICE NUMBER

70404



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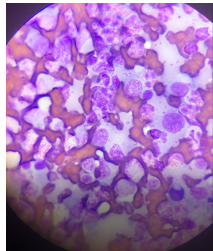


Image shows large numbers of eosinophils with a group at the top and scattered cells collected from the lymph node in Alibi. There are large lymphocytes and macrophages present also.

PATIENT

Alibi Reabe

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.

SPECIES

Canine

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.

BREED

Doberman Pinscher

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