



DATE PRESENTING CLINICAL SIGNS

1/11/23

Reduced appetite since 1/6/23, intermittently vomiting yellow bile 4-5 times a day, not acting herself

WBC @ 358K
NEU @ 14.7K
BAND - suspected
LYM @ 246K
MONO @ 96K

INTERPRETED BY

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

RBC @ 5M
HCT @ 34.7%
HGB @ 12g/dL
BASO @ 0.11K
MPV @ 14.2fL
PDW @ 19.5fL

PATIENT

Alice Glassman

CYTOLOGY SUBMISSION

Liver, lymph node, spleen

SPECIES

Canine

OBSERVATIONS

Liver: Submitted are 6 excellent videos of moderate to excellent collections of cells from the liver in Alice. The cellularity is mainly that of round cells in almost all the videos. There are hepatocytes in a few videos. Scattered macrophages and neutrophils are identified. The round cells are characteristic lymphoid cells with many of the cells intermediate sized to large to irregular. There were suggestions of mitotic figures.

BREED

Yorkie

Lymph node: Submitted are 5 excellent videos of excellent collections of cells from the lymph node in Alice. The cellularity consists of large numbers of lymphocytes with many of the cells being large lymphocytes. The large lymphocytes have not effaced the lymph node tissue but they are quite prominent. Intermediate to large cells are 60 to 80% of the cells in these videos. There are scattered eosinophils and neutrophils and macrophages in the collection.

SEX

Female Spayed

Spleen: Submitted are 6 excellent videos of excellent collections of cells from the spleen in Alice. There are large numbers of round cells similar to those described in the liver and lymph node present in the videos from the spleen. Some of these cells are very large and irregular. A few cells are demonstrating cleaved nuclei. The nuclei include variable nucleoli. There are some small lymphocytes and scattered neutrophils and eosinophils in this collection.

AGE

14y

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Liver - Large numbers of lymphoid cells suggestive of an intermediate to high grade lymphoma in the liver.

WEIGHT

13.6 lbs

Lymph node - Increased numbers of atypical lymphoid cells suggestive of lymphoma.
Spleen - Large numbers of lymphoid cells suggestive of lymphoma.

COMMENTS

With the cellularity present in these three organs, the likelihood of lymphoma is strongly suggested. The organs are not completely effaced with neoplastic cells but they are prominent throughout these three organ collections. There are way too many lymphocytes in the liver and in the spleen.

HOSPITAL NAME

Central Veterinary
Hospital

Eosinophils are scattered throughout the collection. Eosinophils can be stimulated by T cell lymphoma. Confirmation of lymphoma will require additional testing if desired. If chemotherapy is contemplated, then immunophenotyping of the cells to confirm the specific cell type may be beneficial for prognosis. The slides may be submitted for PARR 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.

REFERRING VET

Dr. St. Sir

INVOICE NUMBER

876



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1/11/23

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

PATIENT

Alice Glassman

SPECIES

Canine

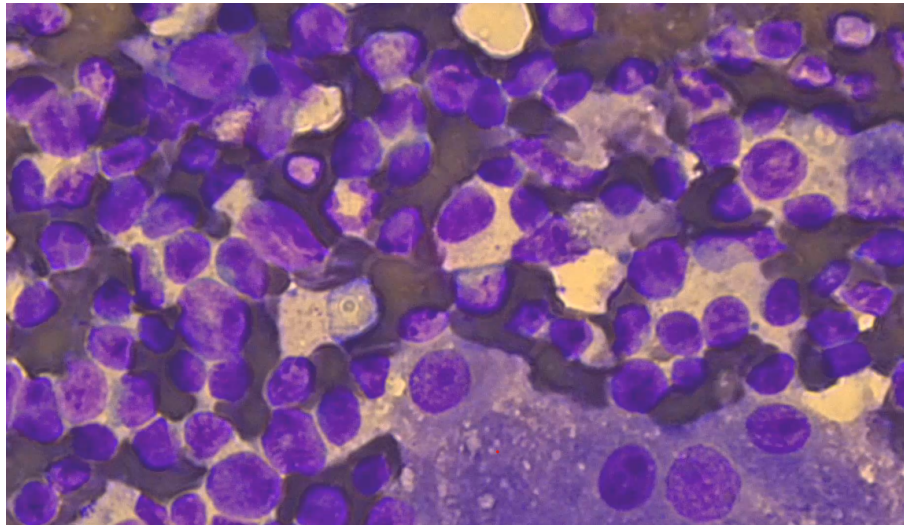


Image shows a large group of lymphoid cells associated with hepatocytes collected from Alice. The hepatocytes are located in the lower right corner.

BREED

Yorkie

SEX

Female Spayed

AGE

14y

WEIGHT

13.6 lbs

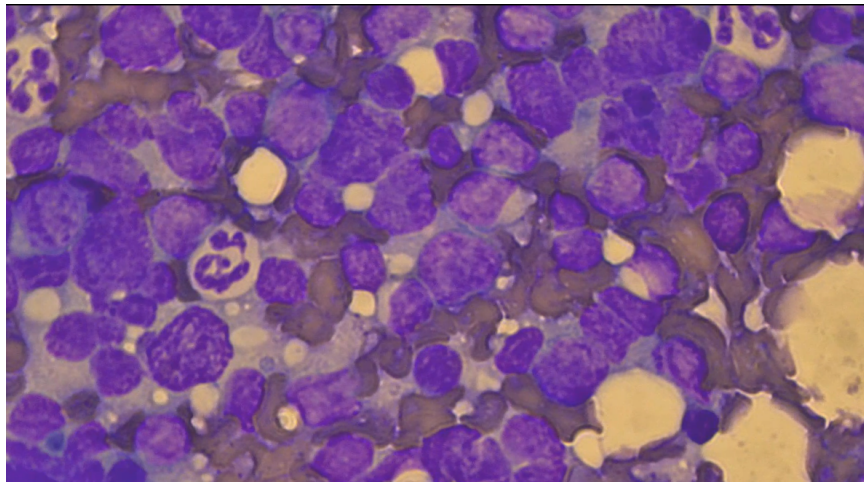


Image shows a group of large lymphoid cells interspersed with small lymphocytes collected from the lymph node in Alice. Note that there are nuclei that are as large as the neutrophils.

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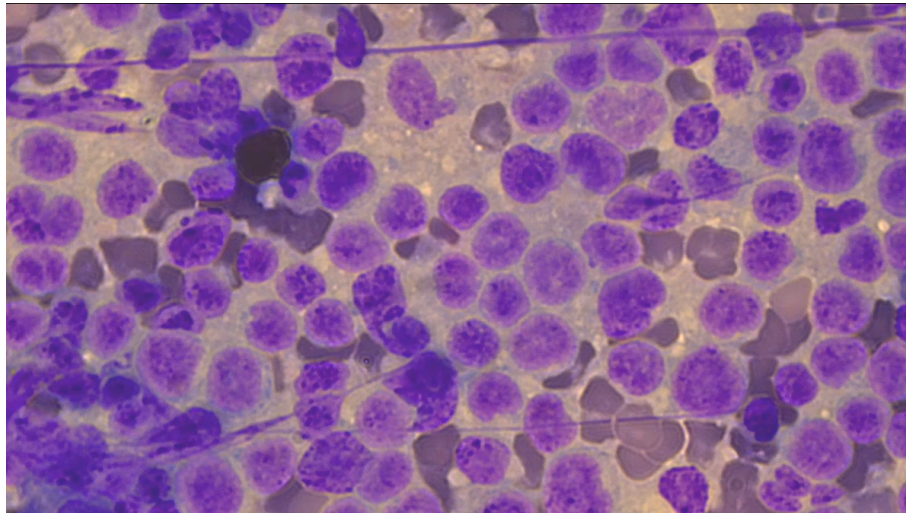


Image shows a group of large lymphoid cells collected from the spleen in Alice. Note the uniformity of the large lymphoid cells.

BREED

Yorkie

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.

SEX

Female Spayed

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

14y

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WEIGHT

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