



DATE PRESENTING CLINICAL SIGNS

6/22/22 R/O multiple myeloma. Mild splenomegaly Current. meds: Gabapentin , mirataz prn. ALB 2.4, glob 6.1, Gamma .2, monoclonal spike in gamma distribution

INTERPRETED BY CYTOLOGY SUBMISSION

L.D. McGill, DVM,
Ph.D, DACVP
FNA of Spleen

OBSERVATIONS

PATIENT Spleen: Submitted are 4 excellent videos of moderate to excellent collections of cells from the spleen in Hershey. The cellularity is mixed interspersed with large numbers of red blood cells. There are large numbers of round cells which include lymphoid cells and a few plasma cells. The plasma cells are not the most numerous cellularity. The most numerous cellularity appears to be small round lymphoid cells and irregular lymphoid cells. Scattered lymphoid cells have large nuclei and prominent nucleoli. Plasma cells are identified but do not demonstrate malignant characteristics as expected for multiple myeloma.

SPECIES Feline

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Spleen - Large numbers of lymphoid cells with scattered plasma cells suggesting probable lymphoma.

BREED

DSH

COMMENTS

SEX

Male Neutered

The cellularity in this collection is not diagnostic of multiple myeloma. There are adequate numbers of irregular atypical lymphoid cells to suggest the possibility of lymphoma and with the plasma cells, this could be a B cell type lymphoma. There is secondary inflammation. There are aggregates of fibrosis and inflammation, but they are not malignant in characteristics. With the irregular cellularity and high number of lymphoid cells, lymphoma should be eliminated. Immunophenotyping the cells from the smears may be beneficial in confirming or ruling out lymphoma. Cytologically in the collection, myeloma is not confirmed. Splenectomy may be beneficial. There are cases of B-cell lymphoma that demonstrate increased quantities of globulin. A guarded to unfavorable prognosis is warranted in my opinion.

AGE

15y10m

WEIGHT

HOSPITAL NAME

ACC Flanders

REFERRING VET

Dr. Hallihan

INVOICE NUMBER

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PATIENT

Hershey McNemar

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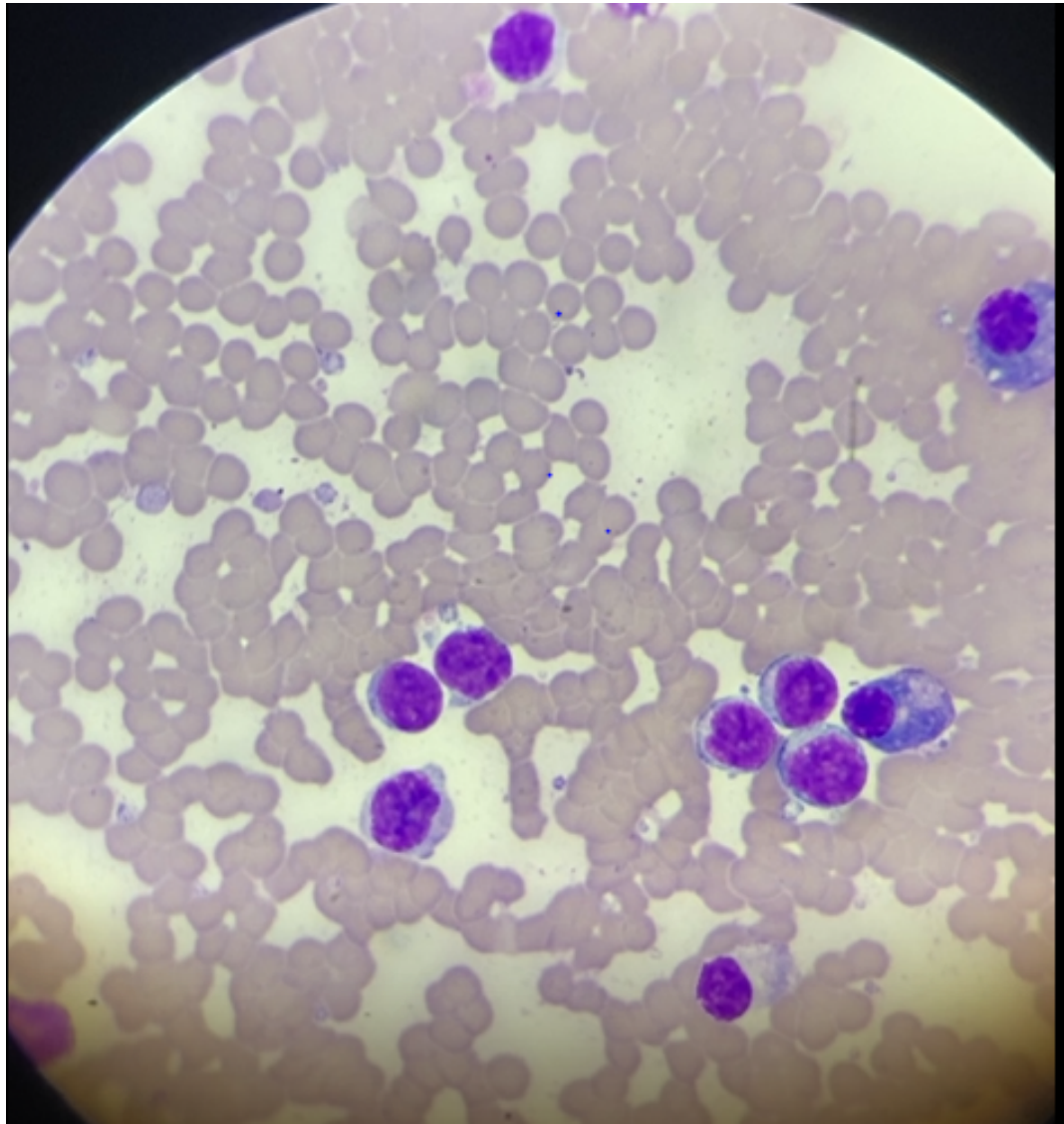


Image shows some of the large irregular lymphocytes with a couple of plasma cells collected from the spleen in Hershey. The plasma cells are on the right side of the image.

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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.

REFERRING VET

Dr. Hallihan

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.

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