



DATE PRESENTING CLINICAL SIGNS

4/10/23

ADR and inappetent. Very abnormal CBC with anemia (non regenerative), nucleated RBCs, high number of "unclassified cells", thrombocytopenia. Clin path review done. FNA of spleen parenchyma and splenic mass done.

INTERPRETED BY

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

CYTOLOGY SUBMISSION

FNA of spleen parenchyma and splenic mass

PATIENT

Chase Ouellette

OBSERVATIONS

Spleen: Submitted are 7 excellent videos of cells collected from the spleen in Chase. The cellularity is quite consistent throughout the videos. The cells are mainly round cells growing irregularly. There are scattered neutrophils in the collection. The round cells are quite large with nuclei that are 4 to 6 times the size of red blood cells. Mitotic figures are identified. Occasional degenerate cells are present. These cells have moderate cytoplasm which is bluish gray to occasional minimal cytoplasm. These are characteristic lymphoid cells.

SPECIES

Canine

BREED

Lab mix

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Spleen - Characteristic of a high-grade lymphoma.

SEX

Male Neutered

COMMENTS

The cellularity is strongly characteristic of a high-grade lymphoma. The mitotic index is increased, and the size of the cells is markedly increased to support a high-grade lymphoma. There is some secondary inflammation, but it is minimal. Some of the tumor cells are undergoing degeneration. 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.

AGE

13 years

WEIGHT

94.8 lbs

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Linell

INVOICE NUMBER

40703



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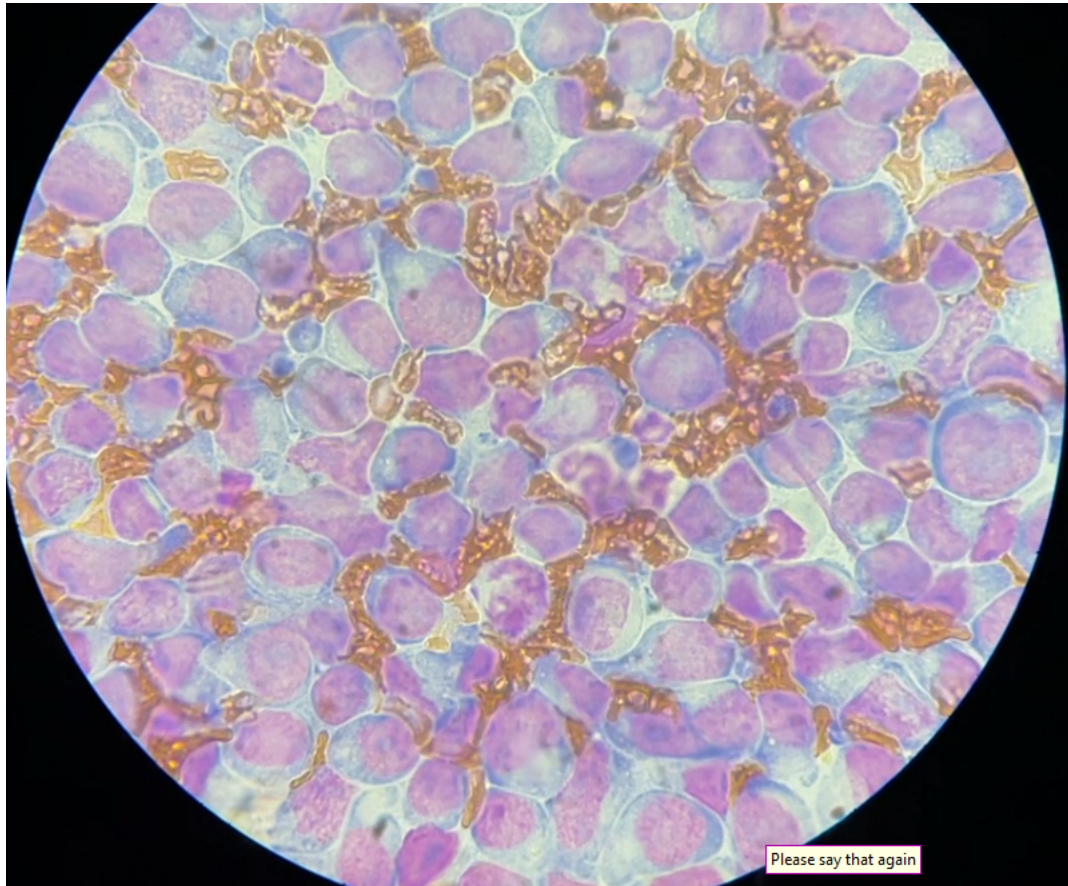
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Image shows a representative field of cells collected from the spleen in Chase. Note the very large cells and prominent irregular nucleoli. There are 1 or 2 mitotic figures in this field also.

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.

HOSPITAL NAME

Scanvet

L.D. McGill, DVM, Ph.D., DACVP
8288 Top of the World Drive
Cottonwood Heights, UT 84121
ldmcgill.vetpath@gmail.com
cell: 801-865-1220

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