



DATE PRESENTING CLINICAL SIGNS

5/2/23 Seen Last week for Vomit/Diarrhea; Dx w/ Whipworms at that time and treated symptomatically for GI Upset and Whipworms. An enlarged spleen was evident on exam. Did not respond and was seen again yesterday.

HCT 25.8 % 37.3 - 61.7 LOW

INTERPRETED BY

%RETIC 1.2 %

WBC 6.29 K/ μ L 5.05 - 16.76

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

%NEU 55.0 %

%LYM 37.0 %

%MONO 7.2 %

%EOS 0.6 %

%BASO 0.2 %

PATIENT

Boxie McElhattan

PLT 25 K/ μ L 148 - 484 LOW

Hyperglobinemia

Lyme +

Abdominal U/S: Very enlarged, swollen spleen; Multiple mesenteric LN's are enlarged, rounded and hypochoic.

SPECIES

Canine

CYTOLOGY SUBMISSION

Spleen

BREED

Lab X

OBSERVATIONS

Spleen: Submitted are 5 excellent videos of excellent collections of cells from the spleen in Boxie. The cellularity consists of massive numbers of round cells with scattered neutrophils. The round cells are at least 90% of the cells in the smears. The round cells are lymphoid cells that have nuclei that are 2 to 10 times the size of red blood cells. These cells have prominent nucleoli and some of the nucleoli are quite large. Scattered mitotic figures are identified. There are several lymphoid cells that have nuclei and cellularity that are extremely large. This is an excellent collection of cells.

SEX

Female Spayed

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Spleen - Characteristic of high-grade lymphoma

AGE

2y

COMMENTS

This collection from Boxie is a characteristic collection of cells expected in a high-grade lymphoma. Some of the cells are extremely large. Nucleoli are quite prominent and extremely irregular. There is minimal inflammation. Further evaluation is required to confirm the diagnosis. 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 expected in my opinion. Occasionally high grade lymphoma cases will respond well to therapy early but recur later.

WEIGHT

32 lbs

HOSPITAL NAME

Franklin Animal Clinic
Inc.

REFERRING VET

Dr. Doverspike

INVOICE NUMBER

941



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

PATIENT

Boxie McElhattan

SPECIES

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Female Spayed

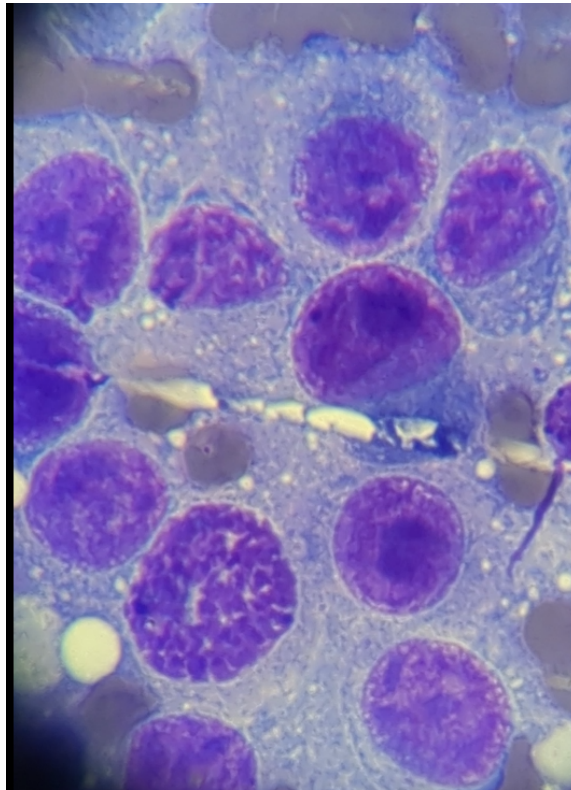


Image shows a group of cells collected from the spleen in Boxie. Note the early mitotic figure in the lower center and the extremely large to multiple nucleoli in several of the neoplastic lymphoid cells.

AGE

2y

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.

WEIGHT

32 lbs

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

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Inc.

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