



## PATIENT

Charlie West

## SPECIES

Canine

## BREED

Labrador Retriever

## SEX

Neutered male

## AGE

9 years

## WEIGHT

80 lbs

## INTERPRETED BY

Dr. Lawrence McGill,  
DVM,Ph.D.,Diplomate,  
ACVP

## IMAGING PERFORMED BY

Karen Ebersole DVM,  
DABVP

## HOSPITAL NAME

Scanvet

## REFERRING VET

Dr. Zwetsloot/Dr. Hale

## INVOICE

73648

## DATE

3/19/26

## PRESENTING CLINICAL SIGNS

- History of Addison's disease, treated
- Several day history of weakness, lethargy and not eating
- IVF and steroids treatment yesterday with only mild improvement
- New SQ edema in front legs and ventral neck
- PE: lateral recumbent but responsive, firm SQ edema entire cervical neck and front legs. WBC 20k, Manual diff - Neut 41%, Lymph 16%, Eos 20%, Mono 22%. Plt 175k, Hct 46%. NRBC on smear. BUN 30, Creat 1.5, Phos 5.1, Glob 3.8, ALP 963, T Bili 0.8, Cl 100. Na:K 31. cPL normal.

## CYTOLOGY SUBMISSION

FNA of the spleen was submitted

## OBSERVATIONS

Spleen: Submitted are 14 excellent videos of excellent collections of cells from the spleen in Charlie. There are large numbers of nucleated cells. A large percentage of the cells are round cells that are lymphoid cells. Many are large lymphoid cells. They have nuclei that are 2 to 4 times the size of red blood cells. There are scattered small lymphocytes and neutrophils. Macrophages are present but are rare. There are nucleated red blood cells and megakaryocytes scattered throughout. Mitotic figures are identified in the round cells in many fields.

## INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

Spleen - High-grade lymphoma with secondary inflammation.

## COMMENTS

These are excellent collections and images of cells from the spleen in Charlie. There are massive numbers of lymphoid cells, many of which are quite large and irregular. There are large numbers of mitotic figures. This is essentially a diagnostic collection of cells from the spleen with the large numbers of lymphoid cells present. 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.

The lymphoma cellularity suggests an unfavorable prognosis in my opinion. Chemotherapy may be beneficial in prolonging life.



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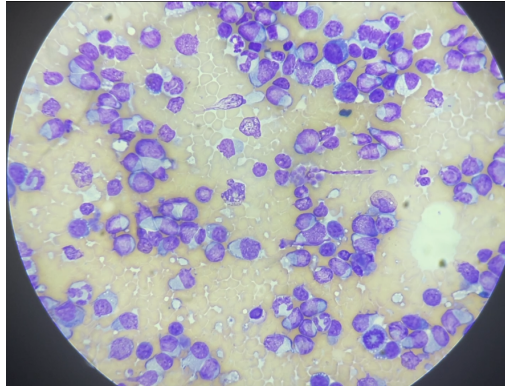
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## CYTOLOGY IMAGE



This is an image of a representative group of cells collected from the spleen in Charlie. There are at least two mitotic figures in this image.

**The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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.

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

8288 Top of the World Dr. Cottonwood Heights, UT 84121

Cell: 801-865-1220 [Ldmcgill.vetpath@gmail.com](mailto:Ldmcgill.vetpath@gmail.com)