



**DATE PRESENTING CLINICAL SIGNS**

2/24/23 Previous Hx of Soft Tissue Sarcoma in 2019  
Owner noticed enlarged Mandibular LN's over weekend.  
Dog feeling fine otherwise

**INTERPRETED BY**

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

Abdominal U/S: Spleen has a couple small (1cm diameter) hypoechoic masses and 1 larger (3x3cm) heterogeneous mass that expands the capsule. FNA is of this larger mass.  
Mandibular LN's are markedly enlarged; the other peripheral LN's are not as prominent.

**CYTOLOGY SUBMISSION**

FNA of Spleen

**PATIENT**

Buddy Wice

**OBSERVATIONS**

Spleen: Submitted are 7 excellent videos of excellent collections of cells from the spleen in Buddy. The cellularity consists of large numbers of lymphoid cells throughout the smear. Some of the cells are smudged. There are large lymphoid cells and scattered smudge cells with small cells in the collection. The small cells are small lymphocytes. There are rare neutrophils. The lymphoid cells that are large have prominent nucleoli inside large nuclei that are 4 to 8 times the size of red blood cells. This cellularity is consistent throughout the videos.

**SPECIES**

Canine

**BREED**

Labrador Retriever

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Spleen - Large numbers of lymphoid cells that appear to be a high-grade lymphoma.

**SEX**

Male Neutered

**COMMENTS**

The cellularity in the spleen is very similar to the cellularity in the lymph node submitted from Buddy. The cellularity suggests large lymphoid cells and I'm concerned about a high-grade lymphoma. Confirmation will require additional testing particularly if therapy is contemplated. 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. A guarded to unfavorable prognosis is warranted in my opinion.

**AGE**

10 years

**WEIGHT**

96lbs

**HOSPITAL NAME**

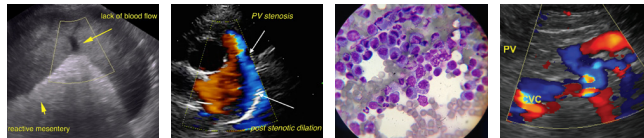
Franklin Animal Clinic  
Inc.

**REFERRING VET**

Dr. Sam Doverspike

**INVOICE NUMBER**

40671



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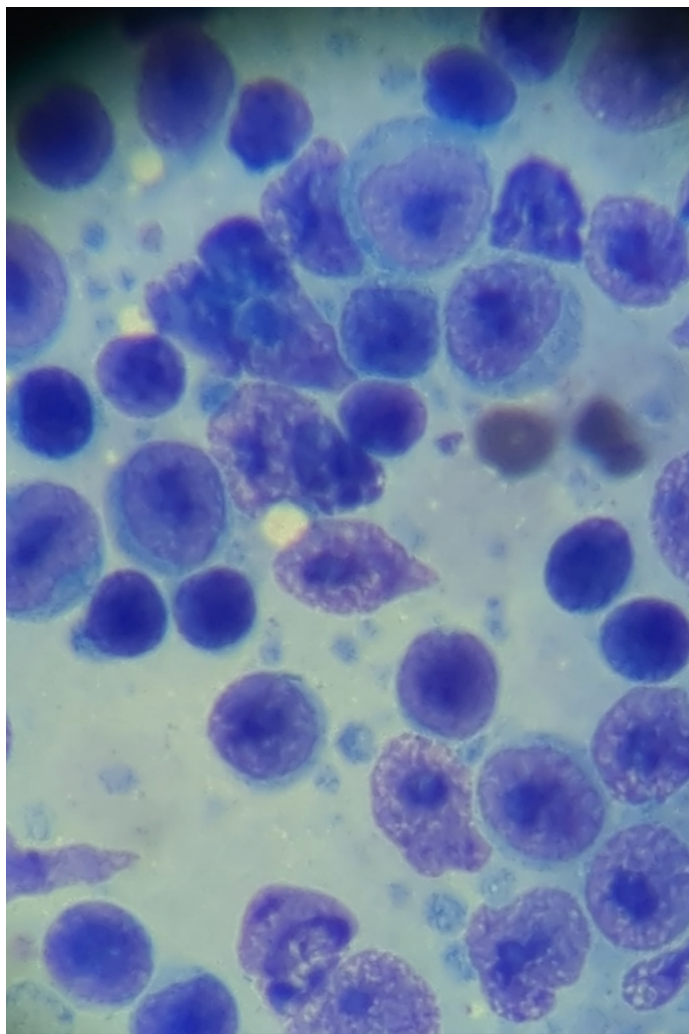


Image shows a group of lymphoid cells collected from the spleen in Buddy. Note the large cells with prominent nucleoli, some of which are quite large.

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.

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cell: 801-865-1220

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