



**DATE PRESENTING CLINICAL SIGNS**

11/28/22

1 week history of mandibular lymphadenopathy. Lethargic and eating approx 1/2 ration. Had dermal mass removed from L stifle 3 weeks ago, owner declined histopathology. PE reveals moderate enlargement of R/L mandibular LN, L prescapular and L popliteal LN. CBC and chem panel were unremarkable.

**INTERPRETED BY**

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

**CYTOLOGY SUBMISSION**

Lymph node

**OBSERVATIONS**

Lymph node: Submitted are large numbers of images of cells collected from the lymph node on Duff. The cellularity is excellent. There are very few red cells surrounding these round cell collections. The round cells have nuclei that are 2 to 4 times the size of red blood cells in most cases. Many of these cells have pleomorphic nucleoli to multiple nucleoli. There is a background of lymphoglandular material with degenerate debris. There are scattered neutrophils and very few small mature lymphocytes.

**PATIENT**

Duff West

**SPECIES**

Canine

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Lymph node - Characteristic of a high-grade lymphoma.

**COMMENTS**

The cellularity in this collection is very strongly characteristic of high-grade lymphoma. Almost 90% of the cells in these images are large atypical lymphoid cells. The prominent and variable nucleoli add to the diagnosis. There is minimal inflammation. 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 due to the fact that even with response to early therapy, later on other forms of lymphoma will likely be identified.

**BREED**

Terrier X

**SEX**

Male Neutered

**AGE**

5y

**WEIGHT**

15.7

**HOSPITAL NAME**

Ruidoso Animal Clinic

**REFERRING VET**

Dr. Botkin

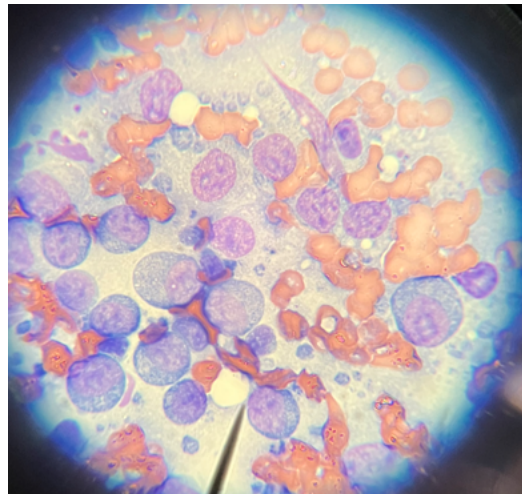


Image shows a field of atypical lymphoid cells collected from the lymph node on Dubb. Note the irregular sizes and numbers of nucleoli in the atypical lymphoid cells.

**INVOICE NUMBER**

840



**DATE** 11/28/22 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.

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

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