



**DATE PRESENTING CLINICAL SIGNS**

5/14/22

ADR, elevated liver values, mild regenerative anemia. FNA of both intestinal mass and lymph node. HCT 28.1%, ALT 176, ALP 805, SDMA 16.

**INTERPRETED BY**

**CYTOLOGY SUBMISSION**

Intestinal mass; lymph node

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

**OBSERVATIONS**

Intestinal mass: Submitted are 11 images collected from the intestinal mass in Oreo. The cellularity is mixed with scattered neutrophils, lymphocytes, spindloid cells, hemorrhage and lipid. The cellularity is not characteristic of any specific process. Malignant characteristics are not identified.

**PATIENT**

Oreo Ryfell

Lymph node: Submitted are 7 excellent images and 2 videos of excellent collections of cells from the lymph node in Oreo. The cellularity consists of large numbers of round cells. Many of the cells are large round cells with prominent bluish gray cytoplasm. There are scattered small cells in the collection as well. Degenerate debris is prominent. A very few neutrophils are identified. There is evidence of large numbers of irregular lymphoid cells supporting a proliferative process of those cells in this collection.

**SPECIES**

Canine

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Intestinal mass - Minimal cellularity with evidence of chronic inflammation.  
Lymph node - Suggestive of high-grade lymphoma.

**BREED**

Labrador Retriever Mix

**COMMENTS**

The collection from the intestinal mass is not specific. This could be an inflammatory process or an area of inflammation or it is possible that this is some type of spindle cell tumor that is not releasing cells. A GIST tumor could be on the differential for that type of mass. Exploratory will have to be undertaken to confirm that diagnosis.

**SEX**

Female Spayed

The lymph node collection strongly supports the likelihood of lymphoma. There are extremely large cells in the collection and they have pleomorphic nuclei with pleomorphic prominent cytoplasm. If chemotherapy is contemplated, then immunophenotyping of the cells to confirm the specific cell type may be beneficial for prognosis. The slides can be submitted for PCR 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. Due to the large cells, an unfavorable prognosis is warranted. Exploratory and biopsy will be required to confirm the process.

**AGE**

13y

Immunophenotyping of the cells from the slides could be beneficial in confirming the diagnosis of lymphoma or ruling it out.

**WEIGHT**

74 lbs

**HOSPITAL NAME**

Franklin Lakes Animal  
Hospital

**REFERRING VET**

Dr. Ward

**INVOICE NUMBER**

734



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**PATIENT**

Oreo Ryfell

**SPECIES**

Canine

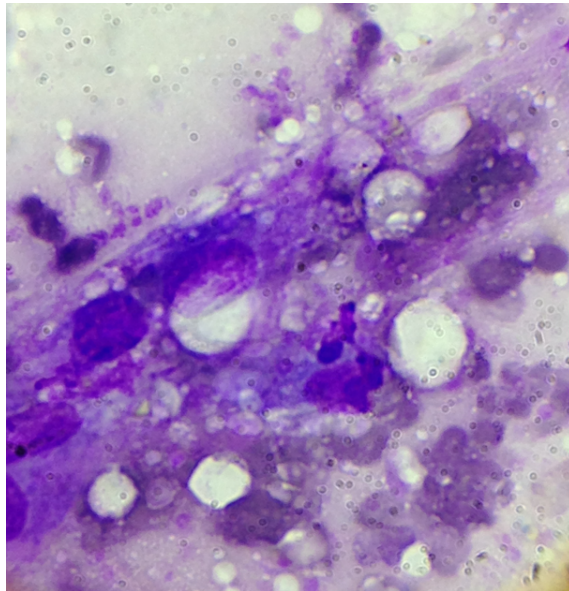


Image shows some of the cells from the intestinal mass. Some of these cells suggest spindle cell collection and necrosis.

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Labrador Retriever Mix

**SEX**

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**WEIGHT**

74 lbs

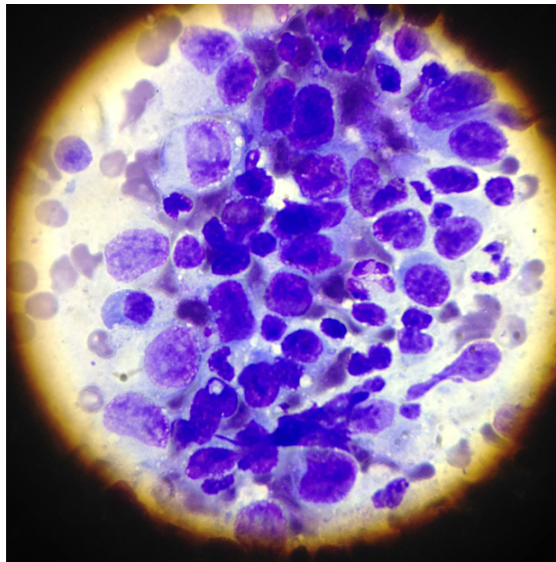


Image shows the cells collected from the lymph node in Oreo. Note the large irregular lymphocytes with anisokaryosis.

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

**PATIENT**

Oreo Ryfell

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