

Trinity Hills 24 HR Pet Hospital240 Na'a Plaza SW
Calgary, AB T3H 6A4Doctor: **FROUD**Received:
01/15/26Reported:
01/17/26Accession#
CYCA00159184Pet Name
RALPHOwner
QURESHISpecies
CanineBreed
Labrador
RetrieverSex
CMAge
5YChart#
N

Test	Results	Reference Range	L	Normal	H
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Cytology

Cytology

CLINICAL INFORMATION:

Acute onset hyphema R eye, treated with pred forte ophtho- represented after one day with generalized lymphadenopathy and bilateral hyphema.

SOURCE No. 1:

Left prescapular lymph node. Two slides.

DESCRIPTION: One of two slides contain moderate to high numbers of intact lymphocytes within a hemodiluted background containing many variably sized cytoplasmic fragments. Lymphocytes are comprised of a majority of lymphocytes ranging from intermediate to large in size with round nuclei containing finely stippled to smudged chromatin, variable appreciation of one to several nucleoli and moderate amounts of moderately basophilic cytoplasm; occasional mitotic figures are seen. Low numbers of small lymphocytes and occasional macrophages and neutrophils are seen.

INTERPRETATION: Lymphoma

COMMENTS: The cytologic findings are consistent with lymphoma. The prognosis for lymphoma varies with location, stage, and immunophenotype. Immunophenotyping via flow cytometry or biopsy with histopathology/immunohistochemistry, or genotyping via PCR for antigen receptor rearrangement (PARR) can be considered for further characterization.

Flow cytometry is a low-invasive test for immunophenotyping and provision of prognostic information for lymphoma. Flow cytometry is performed on fresh aspirates of lymph nodes (not blood) flushed gently into 0.9% saline mixed with 10% of the patient's serum in an additive free tube. High cellularity, adequate serum, cold (not frozen) sample temperature and prompt transport are important to obtain an adequate sample. Flow cytometry can be submitted to Antech (test code 514277) or is also available directly through the Colorado State University Clinical Hematopathology Laboratory <https://vetmedbiosci.colostate.edu/chl/> (please see CSU website for guidelines and shipping options).

PARR (test code 514258) is a PCR test that can be performed on the submitted cytology slides with 96% sensitivity for B-cell lymphoma and 90% sensitivity for T-cell lymphoma in dogs. A positive result provides genotyping however false negative results may be obtained in a small percentage of cases of lymphoma requiring different testing for further characterization.

Please note, two lymph nodes will be included under one cytology site for billing purposes for the current accession.

SOURCE No. 2:

Right popliteal lymph node. Two slides.

DESCRIPTION: Two slides contain moderate to high numbers of intact lymphocytes within a hemodiluted background containing many variably sized cytoplasmic fragments. Lymphocytes are comprised of a majority of lymphocytes ranging from intermediate to large in size with round



Pet Name
RALPH

Owner
QURESHI

Species
Canine

Breed
Labrador
Retriever

Sex Age
CM 5Y

Chart#
N

Test	Results	Reference Range	L	Normal	H
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nuclei containing finely stippled to smudged chromatin, variable appreciation of one to several nucleoli and moderate amounts of moderately basophilic cytoplasm; occasional mitotic figures are seen. Low numbers of small lymphocytes and occasional macrophages and neutrophils are seen.

INTERPRETATION: Lymphoma

COMMENTS: Please see comments for the left prescapular lymph node.

PATHOLOGIST:

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For Veterinary Professionals: Please contact me directly at the email or phone number above if this interpretation is inconsistent with your clinical impression or requires further clarification.