



DATE PRESENTING CLINICAL SIGNS

3/7/23

Patient presented 3/7/23 for chief complaint of coughing for ~4 days. Upon exam, all external lymph nodes throughout body palpated enlarged, firm. Samples taken from multiple sites. Owner did not notice at home so history is unknown, patient has not been seen for exam in 4 years. Patient doing well otherwise.

INTERPRETED BY

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

CYTOLOGY SUBMISSION

Lymph node

OBSERVATIONS

PATIENT

Quinn McCormack

Lymph node: Submitted are 4 excellent videos of excellent collections of cells from the lymph nodes in Quinn. The cellularity consists mainly of round cells. The majority of the round cells have nuclei that are 2 to 4 times the size of red blood cells. There are small lymphocytes present and scattered neutrophils. The small lymphocytes are few. The majority of the cells, close to 80%, are large irregular cells. They demonstrate anisokaryosis with prominent nucleoli. The nucleoli are quite large and variable. Occasional cells have multiple nucleoli. Scattered mitotic figures are observed.

SPECIES

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Lymph node - Consistent with high-grade lymphoma with mild inflammation.

COMMENTS

BREED

Lab Retriever

The cellularity is strongly suggestive of a high-grade lymphoma since the lymphoid cells are mainly large irregular lymphoid cells with prominent irregular nucleoli. These cells have nuclei that are larger than red blood cells and neutrophils. Other malignant characteristics include an occasional mitotic figure. The inflammation is minimal and secondary. 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. Quinn may respond to chemotherapy but we do not know that for certain. The fact that Quinn is still feeling good is a good potential sign.

SEX

SF

AGE

10Y

WEIGHT

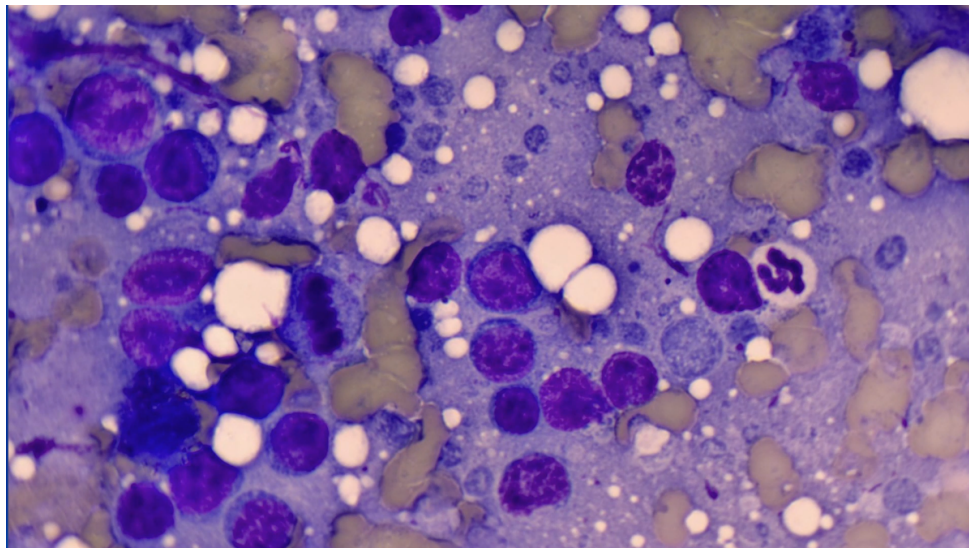
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HOSPITAL NAME

Rotterdam Veterinary
Hospital

REFERRING VET

Dr. Scarpinato



INVOICE NUMBER

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Image shows a group of large lymphoid cells with a mitotic figure in the lymph node aspirate from Quinn. Note the large lymphoid cells have large nucleoli and they are larger than the neutrophil.



DATE 3/7/23 **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 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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PATIENT

Quinn McCormack

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