



DATE PRESENTING CLINICAL SIGNS

12/27/2021 Swollen mandibular lymph nodes.

CYTOLOGY SUBMISSION

U/S-guided FNA of submandibular lymph node.

INTERPRETED BY

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

OBSERVATIONS

Lymph node: Submitted are 3 excellent videos of cells collected from the swollen submandibular lymph node in Miggy. The cellularity is almost entirely round cells that have prominent nuclei and many of them have prominent irregular nucleoli. The nuclei are 2 to 4 times the size of red blood cells. The cytoplasm is minimal. There are rare neutrophils and macrophages in the collection. This cellularity is rather consistent throughout all of the videos.

PATIENT

Miggy Roberts

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Lymph node - Consistent with high-grade lymphoma.

SPECIES

Canine

COMMENTS

The cellularity is strongly consistent with a high-grade lymphoma. There is a form of lymphoma that may only affect one lymph node at a time. It is called indolent lymphoma. There are cases where a lymph node a year has been removed as they became enlarged and the dog lived for several years. We are unable to confirm that this would be the type of lymphoma in the submandibular lymph node. Further evaluation to identify the cell type may be beneficial for prognosis. 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. An unfavorable prognosis is expected in my opinion.

BREED

Australian Shepherd

SEX

Male neutered

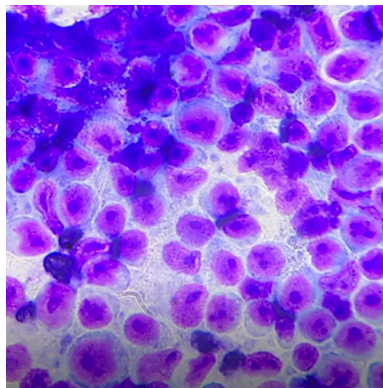
AGE

7-year-old

WEIGHT

50 lbs

Image below shows representative lymphoid cells with large nuclei and nucleoli collected from the lymph node in Miggy. There are a couple of small mature lymphocytes present.



HOSPITAL NAME

Bayshore VH

REFERRING VET

Dr. Tim Hunt



DATE 12/27/2021 **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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