



PATIENT

Jake Bentley

SPECIES

Canine

BREED

German Shepherd Mix

SEX

Neutered male

AGE

14 years

WEIGHT

55 lbs

INTERPRETED BY

Dr. Lawrence McGill,
DVM, Ph.D., Diplomate,
ACVP

IMAGING PERFORMED BY

Nick Pizzemento

HOSPITAL NAME

Central VH

REFERRING VET

Dr. Hennings

INVOICE

74748

DATE

4/22/26

PRESENTING CLINICAL SIGNS

History: Owner noticed lumps under pet's neck a week ago. On PE all lymph nodes enlarged. FNA from popliteal, submandibular, and prescapular LNs taken.

CYTOLOGY SUBMISSION

FNA of multiple lymph nodes were submitted

OBSERVATIONS

Multiple lymph nodes: Submitted are 13 excellent videos of very good collections of cells from different lymph nodes in Jake. The majority of the lymph node aspirates have increased numbers of intermediate cells. The submandibular lymph node appears to have increased numbers of large irregular lymphoid cells with nuclei that are 3 to 4 times the size of red blood cells. Scattered mitotic figures are identified. These cells may be in other lymph nodes but not to the numbers observed in the submandibular lymph node. Very few other cells are identified although there could be scattered neutrophils. A few small mature lymphocytes are visualized.

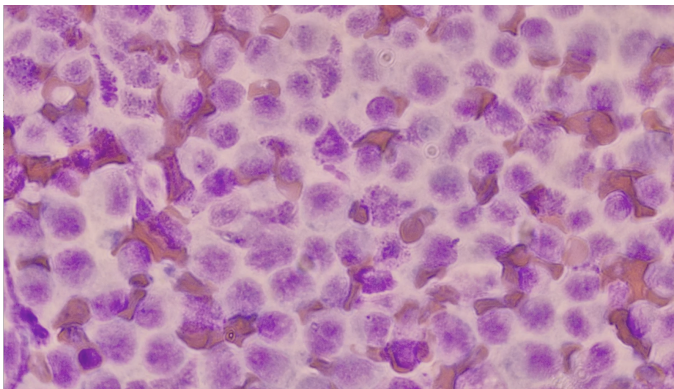
INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

Multiple lymph nodes - Suggestive of early high-grade lymphoma with the submandibular lymph node demonstrating more changes than the other nodes.

COMMENTS

The cellularity in the submandibular lymph node suggests the likelihood of an early high-grade lymphoma. I do not encourage submandibular lymph node aspirates in most cases but in this case it appears to be strongly suggestive and almost diagnostic. The other lymph node aspirates suggest an increased number of intermediate lymphoid cells which could support the diagnosis of lymphoma as well. 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 unstained 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 this concern, a guarded to unfavorable prognosis is warranted in Jake. Again further evaluation to confirm the diagnosis particularly if chemotherapy is contemplated would be encouraged.

CYTOLOGY IMAGE



This is an image of a field of cells collected from the submandibular lymph node in Jake. The majority of the cells are large irregular cells with nuclei that are 2 to 4 times the size of red blood cells. There may be a mitotic figure in the upper center in this image.



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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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.

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

info@sonopath.com