



**DATE PRESENTING CLINICAL SIGNS**

12/21/2021 Large anal gland mass.

**CYTOLOGY SUBMISSION**  
U/S-guided FNA of mesenteric lymph nodes.

**INTERPRETED BY**

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

**OBSERVATIONS**

Mesenteric lymph nodes: Submitted are 4 excellent videos of excellent collections of cells from the lymph nodes in Ruger. The cellularity is very prominent throughout all of these videos. The cells are round cells with uniform nuclei and minimal cytoplasm. The chromatin is prominent in many of the cells. Nucleoli are not prominent. The nuclei are approximately the size of red blood cells. This places the nuclei in the category of mature lymphocytes. Atypical lymphoid cells are not identified. I did identify 2 to 3 macrophages with foamy cytoplasm.

**PATIENT**

Ruger Cubbon

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Lymph nodes - Reactive or stimulated lymphoid tissue

**SPECIES**

Canine

**COMMENTS**

The cellularity observed in these videos strongly suggests reactive mature lymphoid tissue. There were scattered macrophages. I did not identify neutrophils suggesting inflammation draining to the lymph node but the lymphoid tissue is reactive with many of the cells demonstrating nuclei that are the size of red blood cells. An outside possibility would be small cell lymphoma but this will require follow-up biopsies to confirm. Another possibility is metastasis from an anal sac gland carcinoma. I think these cells are lymphoid cells and not metastatic cells. An aspirate of the large anal mass should confirm the type of mass present at that location. If it is a perianal gland tumor, then these cells are not representative of that type of the mass. If further testing is required, these slides can be sent out for PARR testing. Mesenteric lymph nodes will respond to many problems in the abdominal cavity and commonly do not show lymphoma even when it is present.

**BREED**

Labrador Retriever

**SEX**

Male neutered

**AGE**

12-year-old

**WEIGHT**

85 lbs

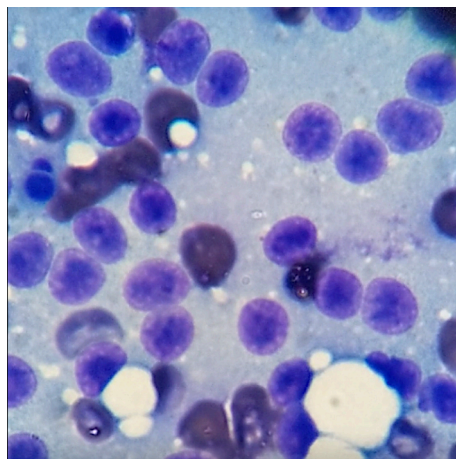
**HOSPITAL NAME**

Franklin Animal Clinic

**REFERRING VET**

Dr. Sam Doverspike

Image below shows the nuclei of cells collected from Ruger. Note that these nuclei are approximately the size of RBCs.



The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that



**DATE** was not visible in the image/video clips provided.

12/21/2021 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.

**INTERPRETED BY**

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