



DATE	PRESENTING CLINICAL SIGNS
10/26/21	Has had enlarged Mandibular LN's for past several weeks. Initial FNA's looked more like Reactive Lymphadenopathy (NOT confirmed via referral). Antibiotics not effective. Today dog presents w/ Hyphema, Iritis and decreased vision. Mandibular LN's still enlarged. Now can find Enlarged (moderately) Popliteal LN.
INTERPRETED BY	CYTOLOGY SUBMISSION
L.D. McGill, DVM, Ph.D, DACVP	Spleen
PATIENT	OBSERVATIONS
Charlie McElhaney	Spleen: Submitted are 3 excellent videos of excellent collections of cells from the splenic nodule in Charlie. The cells are uniform, demonstrating large numbers of lymphoid cells with large nuclei that are 2 to 4 times the size of red blood cells. These nuclei included prominent irregular nucleoli including some cases of multiple nucleoli. Scattered mitotic figures are identified. The cytoplasm is dense and bluish gray. There are scattered lymphoglandular structures throughout the collection. Monocytosis.
SPECIES	FNA of MILN and Popliteal LN were of low cellularity although the Pop LN was suspicious of Lymphoma.
Canine	On U/S the MILN's were enlarged and irregular; the Spleen and Liver appeared hypoechoic (My Impression) and the spleen had a solid focal mass. The FNA cytology is from the splenic nodule.
BREED	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
Golden Retriever	Spleen: Massive numbers of irregular atypical lymphoid cells consistent with high grade lymphoma.
SEX	COMMENTS
Male Neutered	The cellularity in this collection strongly supports a high-grade lymphoma. The cells are quite large with prominent nucleoli. Mitotic figures are observed. There is some degeneration of a few of the cells but the majority of the cells are quite large, irregular lymphoid cells. The consistency of the cells supports the likelihood of high-grade lymphoma. If chemotherapy is contemplated, immunophenotyping of the cells in this collection may be beneficial to identify cell type. This information may contribute to the prognosis. These slides may be submitted for PARR testing or biopsy and immunohistochemistry staining can be undertaken. Re-collection for flow cytometry evaluation will be required if that testing is desired. You may wish to contact the laboratory to confirm the sample required for flow cytometry. With several organs being involved and even others possibly involved besides the spleen, an unfavorable prognosis is warranted. Charlie may respond to chemotherapy for a time but very likely over time this disease will likely recur.
AGE	
4 yrs	
WEIGHT	
106 lbs	
HOSPITAL NAME	
Franklin Animal Clinic	 Image shows lymphoid cells with atypia collected from the spleen in Charlie. The cell in the center is a mitotic figure. Note the large lymphoid cells and prominent nucleoli.
REFERRING VET	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.
Dr. Doverspike	
INVOICE NUMBER	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.



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INTERPRETED BY

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

PATIENT

Charlie McElhaney

SPECIES

Canine

BREED

Golden Retriever

SEX

Male Neutered

AGE

4 yrs

WEIGHT

106 lbs

HOSPITAL NAME

Franklin Animal Clinic

REFERRING VET

Dr. Doverspike

INVOICE NUMBER

619