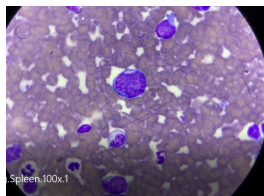




DATE	PRESENTING CLINICAL SIGNS
10/1/2021	Patient presented to primary care DVM on 9/21/21 for concern of 4 day duration of cough and lethargy. Patient had distemper as a puppy. No recent travel outside of the PNW. Physical exam was unremarkable. Thoracic rads and blood work performed; radiographs reviewed at Sonopath.
INTERPRETED BY	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
L.D. McGill, DVM, Ph.D, DACVP	Spleen - Large numbers of irregular atypical lymphoid cells consistent with early high-grade lymphoma.
PATIENT	COMMENTS
Nova Dunning	The cellularity is an effacement of the splenic tissue with lymphoid elements. The lymphoid elements are irregular and atypical supporting high-grade lymphoma. Some of the cells are quite large. There are several fields that are effaced completely with lymphoid cells. This may be a form of lymphoma that only affects the spleen or spleen and liver. Mesenteric lymph nodes are often not involved. 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. A guarded to unfavorable prognosis is warranted.
SPECIES	CYTOLOGY SUBMISSION
Canine	Spleen
BREED	OBSERVATIONS
Lab X	Spleen: Submitted are 4 excellent videos of moderate to excellent collections of cells from the spleen in Nova. The cellularity consists of large numbers of round cells. The round cells have large nuclei that are 2 to 6 times the size of red blood cells and certainly larger than neutrophils. The cytoplasm is bluish gray and minimal. Many of the cells have prominent nucleoli. Some fields have more lymphoid cells than others. There are very few nucleated RBCs and neutrophils scattered throughout.
SEX	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
Female Spayed	Spleen - Large numbers of irregular atypical lymphoid cells consistent with early high-grade lymphoma.
AGE	COMMENTS
10y	The cellularity is an effacement of the splenic tissue with lymphoid elements. The lymphoid elements are irregular and atypical supporting high-grade lymphoma. Some of the cells are quite large. There are several fields that are effaced completely with lymphoid cells. This may be a form of lymphoma that only affects the spleen or spleen and liver. Mesenteric lymph nodes are often not involved. 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. A guarded to unfavorable prognosis is warranted.
WEIGHT	COMMENTS
22.7 kg	The cellularity is an effacement of the splenic tissue with lymphoid elements. The lymphoid elements are irregular and atypical supporting high-grade lymphoma. Some of the cells are quite large. There are several fields that are effaced completely with lymphoid cells. This may be a form of lymphoma that only affects the spleen or spleen and liver. Mesenteric lymph nodes are often not involved. 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. A guarded to unfavorable prognosis is warranted.
HOSPITAL NAME	COMMENTS
Bend Animal Emergency Specialty Center	The cellularity is an effacement of the splenic tissue with lymphoid elements. The lymphoid elements are irregular and atypical supporting high-grade lymphoma. Some of the cells are quite large. There are several fields that are effaced completely with lymphoid cells. This may be a form of lymphoma that only affects the spleen or spleen and liver. Mesenteric lymph nodes are often not involved. 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. A guarded to unfavorable prognosis is warranted.
REFERRING VET	COMMENTS
Dr. Stone	Image shows one of the very large lymphoid cell with a prominent nucleolus. Other fields had more of these cells but not as large.
INVOICE NUMBER	COMMENTS
604	The cellularity is an effacement of the splenic tissue with lymphoid elements. The lymphoid elements are irregular and atypical supporting high-grade lymphoma. Some of the cells are quite large. There are several fields that are effaced completely with lymphoid cells. This may be a form of lymphoma that only affects the spleen or spleen and liver. Mesenteric lymph nodes are often not involved. 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. A guarded to unfavorable prognosis is warranted.





DATE

10/1/2021

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.

PATIENT

Nova Dunning

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cell: 801-865-1220

SPECIES

Canine

BREED

Lab X

SEX

Female Spayed

AGE

10y

WEIGHT

22.7 kg

HOSPITAL NAME

Bend Animal Emergency
Specialty Center

I

REFERRING VET

Dr. Stone

INVOICE NUMBER

604