



DATE	PRESENTING CLINICAL SIGNS
7/29/22	Weight loss and IMHA. Diagnosed with poorly regenerative anemia in 3/2022 when presented for lethargy and decreased appetite.. Infectious disease panel Negative. Treated with Doxycycline, but no improvement. Has been on Prednisolone, which improves anemia, but concern for possible underlying cause.
INTERPRETED BY	3/6/22: PCV 23%, Ca 13.7, Retics 33.
L.D. McGill, DVM, Ph.D, DACVP	5/5/22: Ca normal 5/27/22: PCV 23% Retics 17 (while attempting steroid taper) 6/17/22: PCV 32% 7/22/22: PCV 25%, Plt 133k. AUS (7/23/22): splenomegaly, mesenteric lymphadenopathy with rounded LN shape and reactive mesentery.
PATIENT	
Toro Elmatad	CYTOLOGY SUBMISSION Spleen; lymph node
SPECIES	OBSERVATIONS
Feline	Spleen: Submitted are many excellent videos of cells collected from the spleen in Toro. The cellularity is mixed with round cells and scattered neutrophils and prominent macrophages. The macrophages are functional. There are prominent megakaryocytes. There are cells of the red blood cells series with minimal evidence of polychromasia. Some of these cells appear to be slightly irregular with respect to the early erythroid series. Some lymphocytes are reactive in the collection but they may not be the most prominent cellularity in the round cell classification.
BREED	
Bengal	Lymph node: Submitted are many excellent videos of cells collected from the mesenteric lymph node in Toro. The cellularity is almost all small lymphocytes. This is somewhat unusual but that is the main cellularity with scattered reactive lymphocytes, macrophages and rare neutrophils. There are no changes that would suggest infection or inflammation
SEX	
Male Neutered	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS Spleen - Suggestive of round cell neoplasia that may be erythroleukemia or lymphoma Lymph node - Massive small lymphocyte collection suggesting reactive lymphoid tissue.
AGE	COMMENTS
2y	The changes in the spleen are suspicious of a round cell neoplastic process. They are not diagnostic. There are changes that could be the result of erythroleukemia or possibly lymphoma. The cellularity is not specific or overwhelming for either of those types of cells but there is evidence that the erythroid series is not developing appropriately. There are macrophages present but I did not identify erythrophagia in those macrophages. To confirm the cell type, these smears will need to be sent off for immunophenotyping. The cellularity suggests that there are some abnormal problems but it is not diagnostic in the number of cells that we have to evaluate. The lymph node demonstrates reactive lymphoid tissue and almost all of the cells are small lymphocytes. There is a possibility of small cell lymphoma in those cells. I am unable to confirm that diagnosis with these smears. Again immunophenotyping of the cells may be beneficial. A guarded prognosis is warranted in this case since we still do not know the specific source for the clinical problems in Toro.
WEIGHT	
11lbs	
HOSPITAL NAME	
Scanvet	
REFERRING VET	
Dr. Fortin	
INVOICE NUMBER	
764	



DATE

7/29/22

INTERPRETED BY

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

PATIENT

Toro Elmatad

SPECIES

Feline

BREED

Bengal

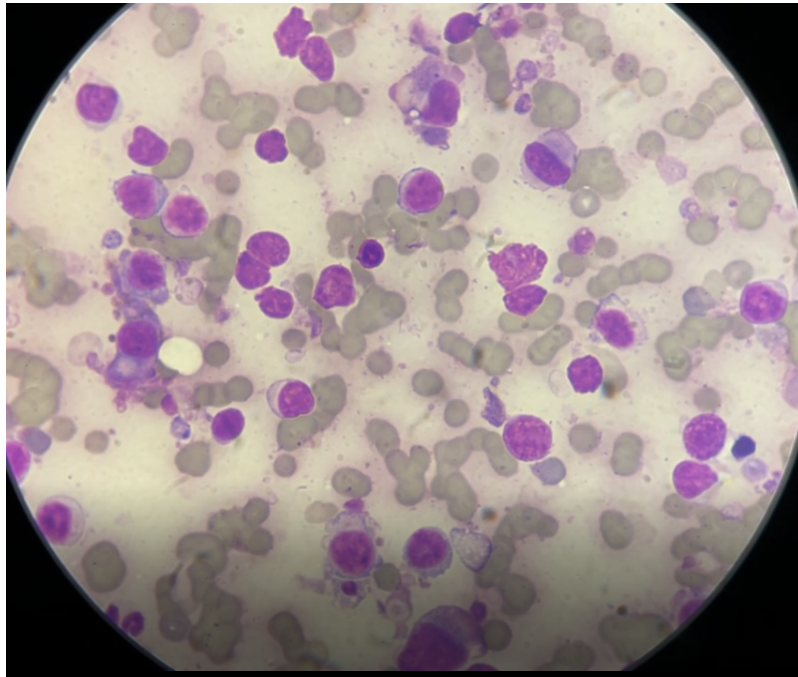


Image shows cells collected from the spleen in Toro. Some of the round cells may be in the RBC series or lymphocytes. Macrophages are present. There is minimal polychromasia in the RBCs.

SEX

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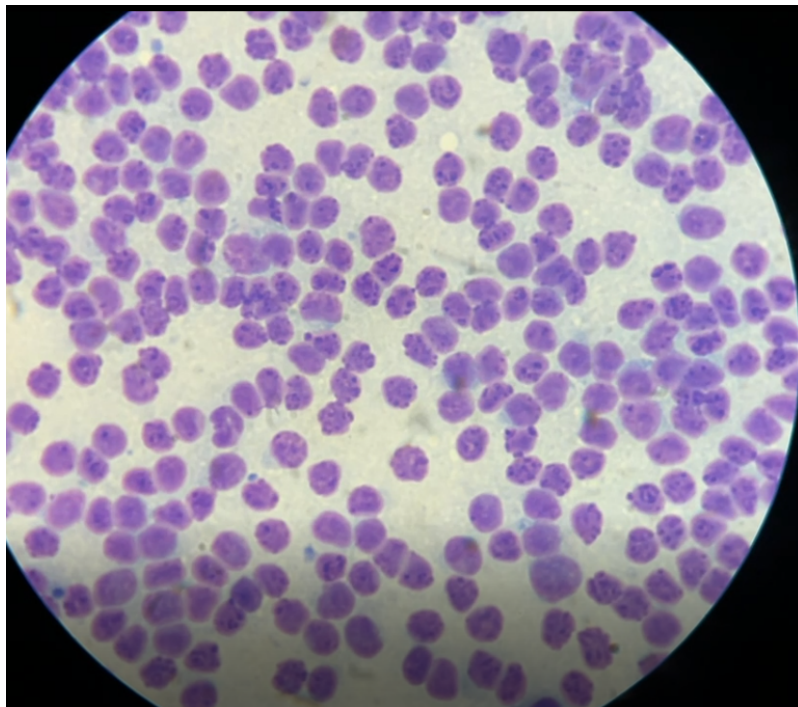


Image shows a field of lymphoid cells collected from the lymph node in Toro. Note the uniformity of the cells.

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DATE 7/29/22 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

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

Toro Elmatad

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BREED

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AGE

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