



**DATE PRESENTING CLINICAL SIGNS**

8/22/22

US showed large multicentric abdominal lymph nodes and splenomegaly with diffuse infiltrative disease; R/O lymphoma  
HCT 29%, platelets 62K but clumped; BUN 35, glucose 61, Phos 8.9, TP 4.1

**INTERPRETED BY**

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

**CYTOLOGY SUBMISSION**

FNA of Lymph Node & Spleen

**PATIENT**

Crash Meulen

**OBSERVATIONS**

Lymph node aspirate: Submitted are 2 excellent aspirates of cells from the lymph node in Crash. The cellularity consists of large round cells interspersed with neutrophils and lymphocytes. The neutrophils and lymphocytes are small compared to these extremely large round cells. The nuclei are varied with some demonstrating nucleoli. Mitotic figures are observed.

Spleen: Submitted are 3 excellent videos of excellent collections of cells from the spleen. The cells include large numbers of round cells, many of which are extremely large cells with large nuclei. Some of these cells have prominent nucleoli. Many do not. Mitotic figures are evident. The cytoplasm is prominent and bluish gray. The remaining cells around these very large cells are normal sized lymphocytes and neutrophils which are much smaller than the very large cells.

**SPECIES**

Ferret

**BREED**

Ferret

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Lymph node - Large round cell neoplasia consistent with high-grade lymphoma or possible histiocytic sarcoma

Spleen - Large round cell neoplasia consistent with high-grade lymphoma or possible histiocytic sarcoma

**SEX**

Male Neutered

**COMMENTS**

This is definitely a round cell sarcoma and the aggressive cells are quite large and irregular. In some areas they have a histiocytic pattern but in other areas I'm concerned about a large round cell lymphoma. They are scattered with inflammatory cells in the spleen and in the lymph node. An unfavorable prognosis is warranted. In some areas I wonder about the possibility of a Hodgkin's like lymphoma which is unusual in the ferret. In any instance, this growth is an aggressive round cell sarcoma and the only means for therapy would be identifying the specific cell type and chemotherapy.

**WEIGHT**

2.7#

**HOSPITAL NAME**

Animal Care Centers of  
Flanders

**REFERRING VET**

Dr. Hallihan

**INVOICE NUMBER**

40609



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8/22/22

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

**PATIENT**

Crash Meulen

**SPECIES**

Ferret

**BREED**

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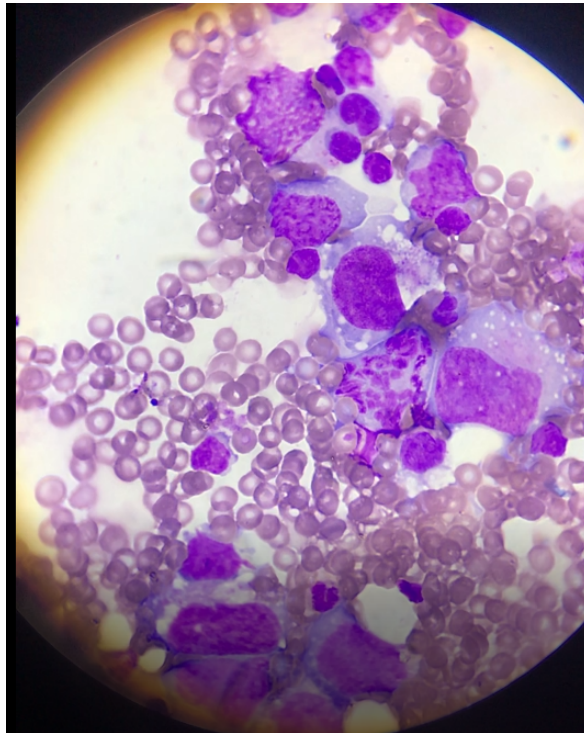


Image of cells collected from the lymph node in Crash. Note the mitotic figure in the center of the image. These huge cells look just like those in the spleen.

**SEX**

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**AGE**

4.5 years

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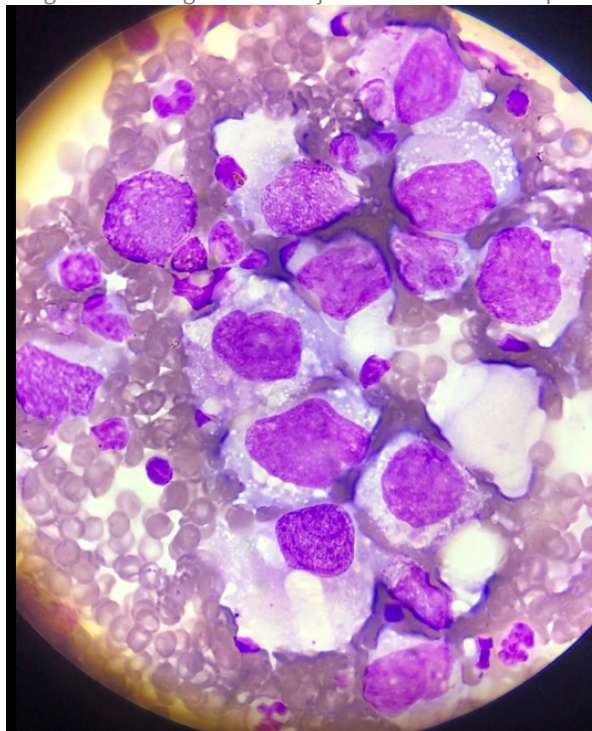


Image shows some of the extremely large cells collected from the spleen in Crash. Compare the large cells to the neutrophils present.

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**DATE** 8/22/22 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

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