



**DATE PRESENTING CLINICAL SIGNS**

6/16/22 Presented for sudden abdominal distension and exercise intolerance.

Treated some time ago for Heartworms  
Abd U/S: Moderate Ascites (TP of 3.0 w/ a clear fluid...on micro just PMN's and some RBC's) Liver and Kidneys both have a lacy appearance somewhat concerning for infiltrative neoplasia??? Spleen has a similar appearance but also on 3X3.5cm heterogenous mass present; Sonopath review is pending. The cytologies are from the general splenic parenchyma and the nodule in the spleen itself

**INTERPRETED BY**

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

Cardiac U/S is highly suspicious of Right Sided Heart Disease w/ subsequent Pulmonary

**PATIENT**

Hypertension...making it hard to determine the exact origin of the ascites.  
Blood work shows mild anemia (HCT: 27.4% ) and BUN of 35.

Marilyn Cardy

**CYTOLOGY SUBMISSION**

FNA of Spleen

**SPECIES**

Canine

**OBSERVATIONS**

Spleen: Submitted are a massive number of videos of cells collected from the spleen in Marilyn. The videos are excellent quality but extremely numerous. The cellularity consists of large numbers of round cells most of which have a lymphoid pattern. There are a few nucleated red blood cells and neutrophils. The round cells with a lymphoid pattern are mainly large irregular round cells with large nuclei that are 3 to 5 times the size of red blood cells. The cells have large numbers of nucleoli present. A representative image of those cells is attached.

**BREED**

Pit Bull X

**SEX**

Female Spayed

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Spleen - Consistent with high-grade lymphoma of the spleen.

**AGE**

10 Years

**COMMENTS**

The cellularity in the majority of the videos includes these quite large cells characteristic of atypical lymphoid cells. There are other fields that include a mixture of cells but they are fewer in numbers and the atypical cells are of great concern. The cells support a high-grade lymphoma. There are cases of lymphoma that may only affect the spleen and/or liver. 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. Splenectomy may be beneficial in prolonging life in Marilyn but the long term prognosis is unfavorable in my opinion.

**WEIGHT**

73lbs

**HOSPITAL NAME**

Franklin Animal Clinic  
Inc.

**REFERRING VET**

Dr. Sam Doverspike

**INVOICE NUMBER**

40546



**DATE**

6/16/22

**INTERPRETED BY**

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

**PATIENT**

Marilyn Cardy

**SPECIES**

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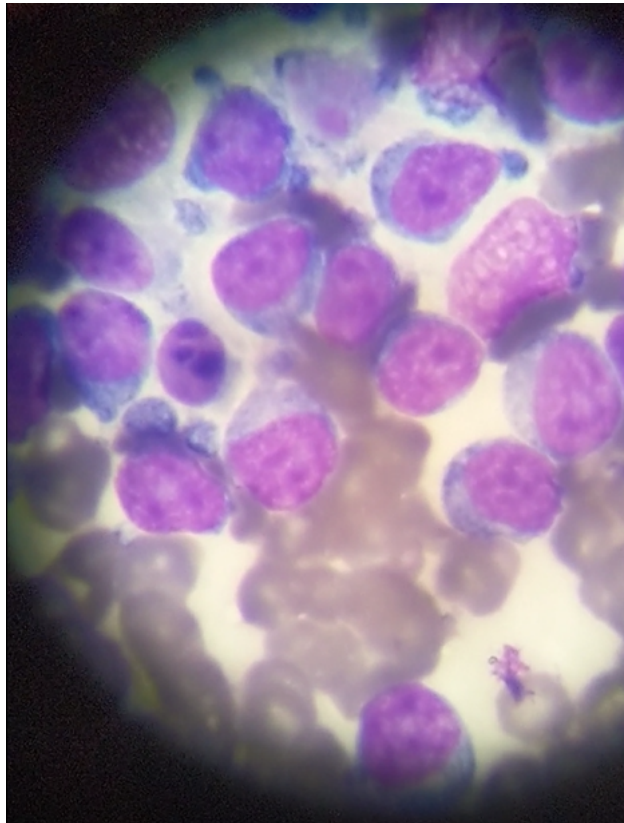


Image shows a representative collection of atypical lymphoid cells collected from the spleen in Marilyn. Note the prominent nucleoli and quite large nuclei.

**AGE**

10 Years

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.

**WEIGHT**

73lbs

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.

**HOSPITAL NAME**

Franklin Animal Clinic  
Inc.

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