



**DATE PRESENTING CLINICAL SIGNS**

6/24/23

The patient was sent by the RDVM for the examination of adrenals. Few hyperechoic splenic lesions were noticed as an incidental finding. US-guided FNA of one of the nodules was done.

**CYTOLOGY SUBMISSION**

**INTERPRETED BY**

Spleen

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

**OBSERVATIONS**

Spleen: Submitted is a single video of very good collections of cells from the splenic nodule in Lily. The cellularity is mixed with large numbers of nucleated red blood cells and lymphocytes. Neutrophils and rare macrophages are observed. Malignant characteristics are not identified. The nucleated red blood cells are mature nucleated cells with some small lymphocytes scattered throughout. There is some lipid in a few fields.

**PATIENT**

Lily Elma

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Spleen - Extramedullary hematopoietic nodule with mixed cellular population (possible myelolipoma).

**SPECIES**

Canine

**COMMENTS**

This is a mixed cellular collection with hematopoiesis as a prominent part of the collection. These types of nodules occur in the spleen as dogs age. There is no suggestion of malignancy in the collection or sepsis but there is prominent hematopoiesis. If there are adrenal gland changes such as adenomas, this could stimulate hematopoiesis in other locations. A myelolipoma is possible since there is some lipid in the collection. This change is benign. A guarded prognosis is warranted since this observation is likely unrelated to what may be occurring in other parts of the abdomen in Lily.

**BREED**

Daschund

**SEX**

Female Spayed

**AGE**

14y

**WEIGHT**

7.3kg

**HOSPITAL NAME**

City Veterinary Clinic

**REFERRING VET**

Dr. Inam ul haq

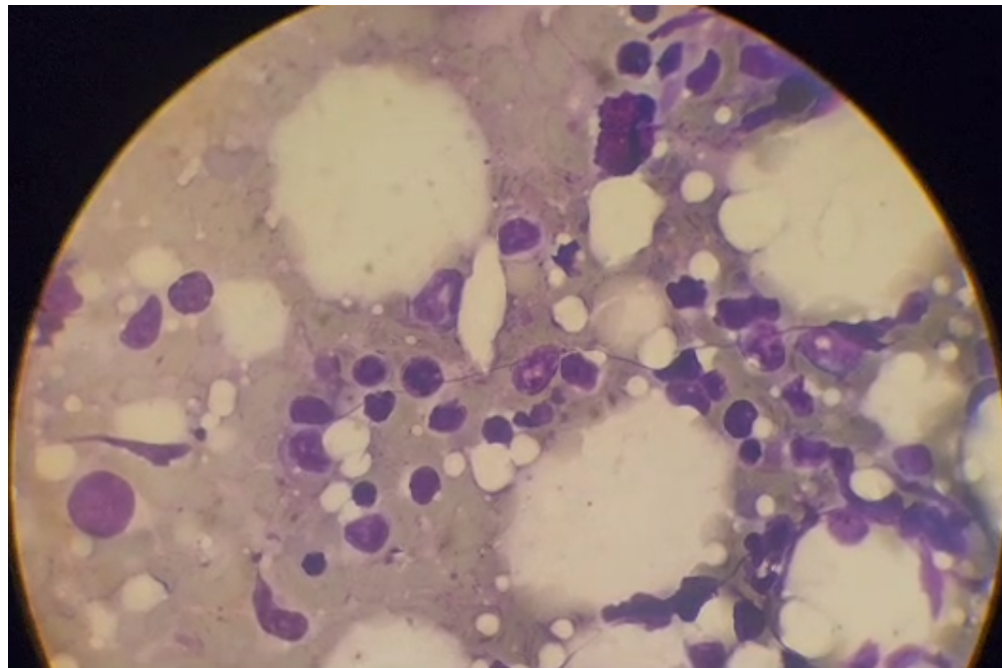


Image demonstrates a representative collection of cells from the spleen in Lily. There are nucleated red blood cells with lymphocytes and scattered neutrophils.

**INVOICE NUMBER**

972



**DATE** 6/24/23 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**  
8288 Top of the World Drive  
Cottonwood Heights, UT 84121  
ldmcgill.vetpath@gmail.com  
cell: 801-865-1220

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Lily Elma

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