



DATE PRESENTING CLINICAL SIGNS

2/21/22

Presented to ER on evening of 2/18 for lethargy, inappetence X 24hr; history hyperthyroid ~ 1yr well controlled with methimazole. Indoor only cat, housed w 2 other cats. Current on preventive care, no FeLV tests noted in past labs.

INTERPRETED BY

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

Fever 104.9, history wt loss though stable from recent records w rDVM; some thinning along topline;

-murmur 2/6 parasternal
-CBC anemia, nonregen, HCT 26%
-monocytosis, lymphopenia

PATIENT

Zack Spain

Chems:
-mild elev SDMA 25 (ref 0-14)
-slight elev amylase and low potassium (3.3)
-T4 is normal at 2 mcg/dL (ref 0.8- 4.7)
-UA obtained after ~ 12 hr on IVF showed isosthenuria with quiet sed

SPECIES

Feline

CYTOLOGY SUBMISSION

FNA of Spleen & Pleural fluid

BREED

Dsh

OBSERVATIONS

Pleural fluid: Submitted are 6 excellent videos of excellent collections of cells from the pleural fluid in Zack. The cells in this pleural fluid are at least 90% to 99% round cells. Many of the round cells are small to intermediate sized round cells and lymphoid elements but there are others that are reactive and enlarged. There are scattered neutrophils in the collection. The lymphoid cells are slightly irregular and occasional cells have nucleoli.

SEX

Male Neutered

Spleen: Submitted are 5 excellent videos and one image of cells collected from the spleen in Zack. The cellularity is prominent with large numbers of round cells. There are some aggregates of spindle cells. Where cells are spread out, there are large numbers of large irregular lymphoid cells. These cells show prominent to multiple nucleoli. There are other inflammatory cells including neutrophils and macrophages scattered throughout. Some spindle cells are observed.

AGE

12yr

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Pleural fluid - Consistent with small cell lymphoma.
Spleen - Suggestive of lymphoma with areas of fibrosis and inflammation.

WEIGHT

3.3kg

COMMENTS

The cellularity in the pleural fluid strongly suggests a lymphoma. I cannot rule out the possibility of a thymoma with this collection either. There are some cells in the spleen that suggest a slightly more aggressive lymphoma. Further testing including PARR testing may be beneficial in confirming the diagnosis. With the cells observed in these two collections, a guarded to unfavorable prognosis is warranted in my opinion. Confirmation is encouraged if chemotherapy is contemplated.

HOSPITAL NAME

Animal Emergency Care

REFERRING VET

Dr. Kalsbeek/AEC

INVOICE NUMBER

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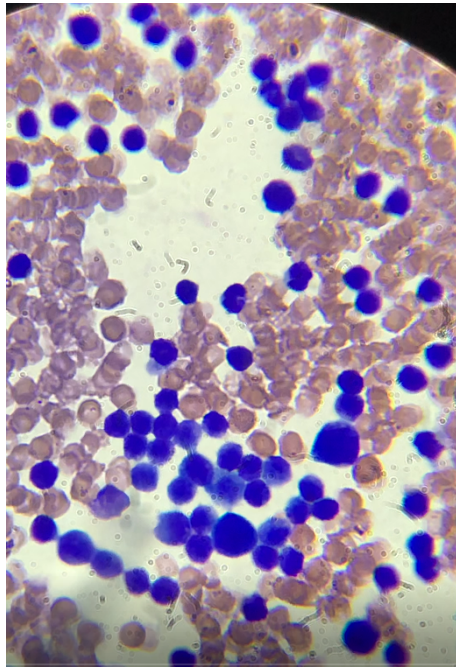


Image shows a representative collection of lymphoid cells from the pleural fluid in Zack. Most of these cells are small lymphocytes.

SEX

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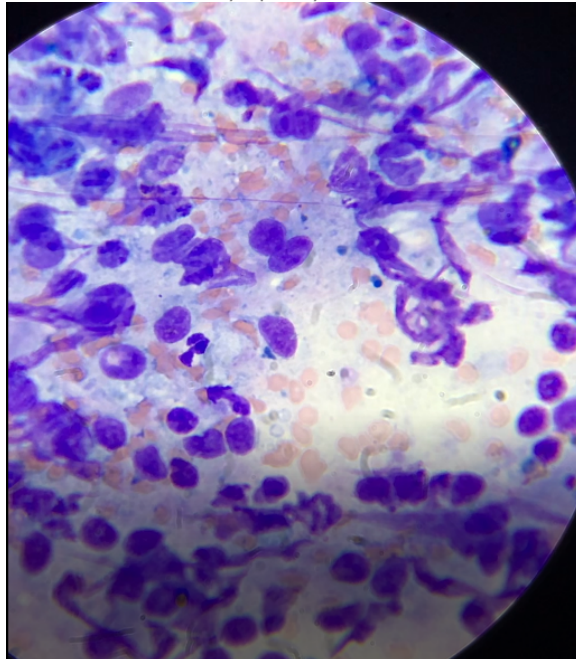


Image shows a representative collection of cells from the spleen in Zack. Many of these cells are lymphocytes. There are macrophages and other cells.

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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.

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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

Zack Spain

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