

DATE PRESENTING CLINICAL SIGNS

3/29/22

Acute onset anorexia Friday (3/25). USG FNA of liver and spleen/splenic nodule.
PE: QAR, visibly icteric.

INTERPRETED BY

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

BW (3/25): T. Bili 1.8, Alb 2.7, Glob. 5.9, A:G 0.5, ALT would not read, Lipase 1,730. WBC 6.8k, Monocytosis. Plt 55 L, clumped platelets on smear.
CBC (today): Hct 25%, WBC 2.6k, Plt 42 L, clumped on smear. PT/PTT WNL.
AUS: splenic mass and infiltrative pattern; hepatomegaly and trace free fluid.

CYTOLOGY SUBMISSION

PATIENT

FNA of Liver & Spleen

Annie Omark

OBSERVATIONS

SPECIES

Feline

Liver: Submitted are 6 excellent videos of excellent collections of cells from the liver in Annie. All of the cells are round cells with minimal cytoplasm. Some of the cells are smudged. There are very few small mature lymphocytes. Most of the cells are quite large and irregular with plump prominent bluish gray cytoplasm. There are prominent nucleoli in most of these large lymphocytes and many have multiple nucleoli. Mitotic figures are readily identified. I was unable to identify any specific hepatocellular cells.

BREED

DSH

Spleen: Submitted are 6 excellent videos of cells collected from the spleen in Annie. Essentially all of the cells are round cells with round nuclei. Many of the cells have bluish gray cytoplasm. Many of these cells have prominent and even multiple nucleoli. There are some degenerate cells and there are scattered neutrophils, macrophages and small mature lymphocytes. The major cellularity is an increased cellularity of large lymphoid cells.

SEX

FS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Liver - High-grade lymphoma
Spleen - Consistent with high-grade lymphoma

AGE

6-7 yrs

COMMENTS

The cellularity in both sites strongly supports a high-grade lymphoma in Annie. The cellularity in the liver was particularly aggressive with large numbers of mitotic figures easily identified. The lymphoid tissue has effaced much of the hepatocellular collection that might be expected. Many of those cells are present in the spleen as well. Immunophenotyping can be undertaken on the slides, but this may not be as beneficial in Annie as it would be in other species such as the dog. Many of the cells in the liver appeared to be leaning towards plasma cells thus I suspect a B-cell lymphoma. With the massive infiltration, an unfavorable prognosis is warranted. With her good body condition, chemotherapy can be considered.

WEIGHT

13 lbs

HOSPITAL NAME

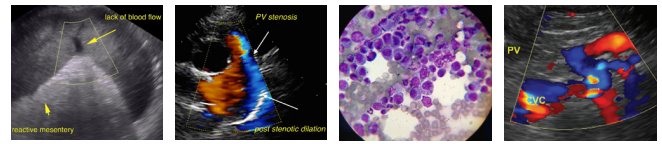
Scanvet

REFERRING VET

Dr. Omark

INVOICE NUMBER

40492



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INTERPRETED BY

L.D. McGill, DVM,
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PATIENT

Annie Omark

SPECIES

Feline

BREED

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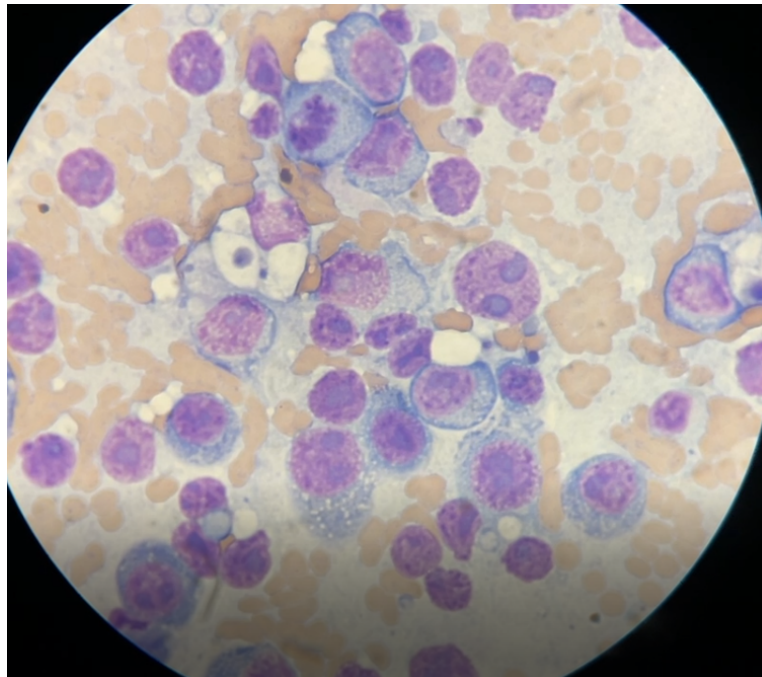


Image shows a good group of cells collected from the liver in Annie. There is a mitotic figure upper central and probably an early mitotic figure to the right.

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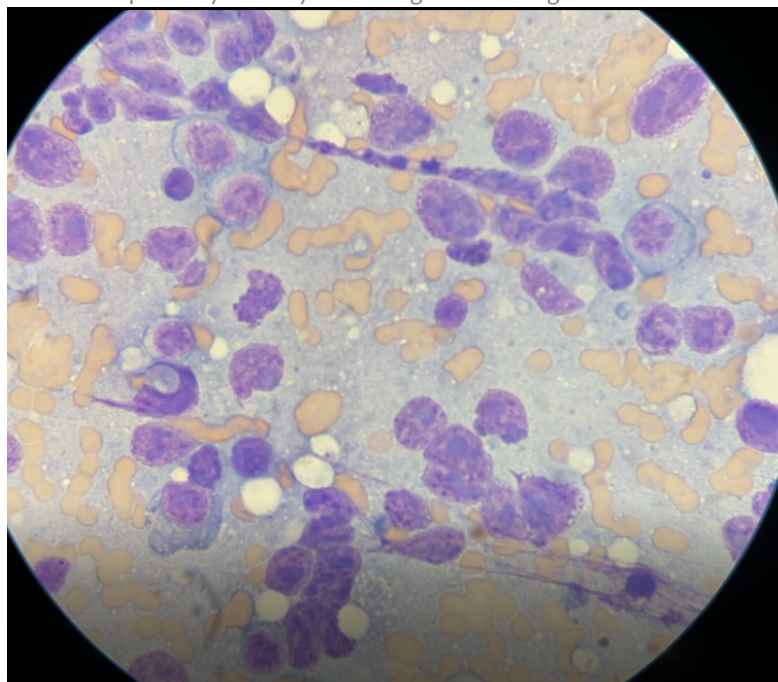
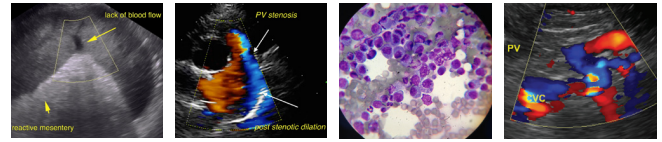


Image shows lymphoid cells collected from the spleen in Annie. Note the prominent nucleoli.

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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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.

INTERPRETED BY

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PATIENT

Annie Omark

SPECIES

Feline

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