



DATE PRESENTING CLINICAL SIGNS

1/4/23

Wasn't eating and had been vomiting the last few days. Stomach distended and lethargic. Upon palpation of the abdomen, decided to do x-rays and ultrasound. Abdomen filled with serosanguinous fluid. Took biopsy of liver because discovered a mass. Left kidney potentially enlarged as well.

INTERPRETED BY

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

CYTOLOGY SUBMISSION

FNA of Dermal

PATIENT

Gus Saunders

OBSERVATIONS

Liver: Submitted are 5 excellent videos of moderate to excellent collections of cells from the liver mass in Gus. The cellularity includes red blood cells with large numbers of round cells. The round cells are lymphocytes interspersed with very few neutrophils. The lymphocytes are large with nuclei that are 2 to 6 times the size of red blood cells. These cells have prominent nucleoli which in some cases are multiple. There are some small lymphocytes as well. This cellularity in a localized area is strongly supportive of an early high-grade lymphoma.

SPECIES

Canine

BREED

Great Dane

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Liver - Large numbers of lymphoid cells with large nuclei consistent with early high-grade lymphoma.

SEX

Male Neutered

COMMENTS

The cellularity in this collection is over 90% lymphoid cells and the majority of the cells are large lymphoid cells. They have large nuclei. This observation strongly suggests an early high-grade lymphoma. There is some secondary inflammation. An outside possibility would be a markedly reactive lymphoid response within the liver. These are unusual. If chemotherapy is contemplated, then immunophenotyping of the cells to confirm the specific cell type may be beneficial for prognosis. The slides may be submitted for PARR 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. A guarded to unfavorable prognosis is warranted in my opinion.

AGE

2y

WEIGHT

123

HOSPITAL NAME

Green Mountain
Veterinary Hospital

REFERRING VET

Dr. Robert Treat Jr.

INVOICE NUMBER

40628



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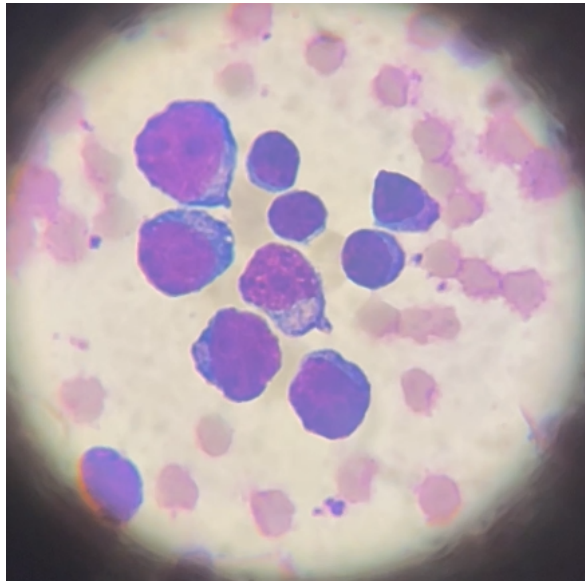


Image shows a group of lymphoid cells collected from Gus. Note the large cells with prominent nucleoli.

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.

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.

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