

DATE PRESENTING CLINICAL SIGNS

9/4/21

Elevated liver values.

CYTOLOGY SUBMISSION

FNA of liver

INTERPRETED BY

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

OBSERVATIONS

Liver: Submitted are 5 excellent videos of moderate to excellent collections of cells from the liver in Murphey. There are good hepatocytes in many of the fields. The hepatocytes demonstrate vacuolization and granularity. The hepatocytes appear to be relatively normal. Interspersed are large numbers of round cells with round nuclei. The nuclei are 2 to 4 times the size of red blood cells in many fields. There are scattered neutrophils. The round cells have minimal cytoplasm and thus appear to be lymphoid cells. Nucleoli are prominent in these lymphoid cells. Degenerate debris is occurring secondarily in the background.

PATIENT

Murphey Olsen/Olney

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SPECIES

Canine

Liver - Hepatocellular vacuolization and granularity with increased numbers of lymphoid cells suggestive of lymphoma.

COMMENTS

The cellular changes in this collection are of concern due to the increased numbers of lymphocytes. Many of the lymphocytes are intermediate in size with some of the others being larger. I'm concerned about an intermediate to high-grade lymphoma in this liver. Lymphoid cells are infiltrating between hepatocytes where there are good aggregates of those cells. This is not a classical high-grade lymphoma in the collection that I can evaluate. The hepatocytes appear to be responding secondarily to endotoxic changes. There may be lymphoma in other organs including the intestine. Confirmation may require follow up biopsy. These smears could be submitted for PCR testing but I am not certain there are enough cells. This collection is definitely suspicious for lymphoma but not confirmatory. Another possibility is a diffuse lymphocytic cholangiohepatitis.

BREED

West Highland Terrier

SEX

Male Neutered

AGE

11 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

27.6#

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

The Veterinary Hospital

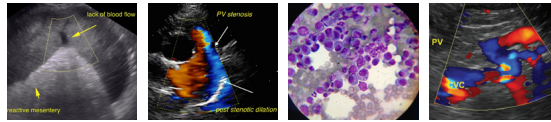
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REFERRING VET

Dr. Yomanda

INVOICE NUMBER

80293



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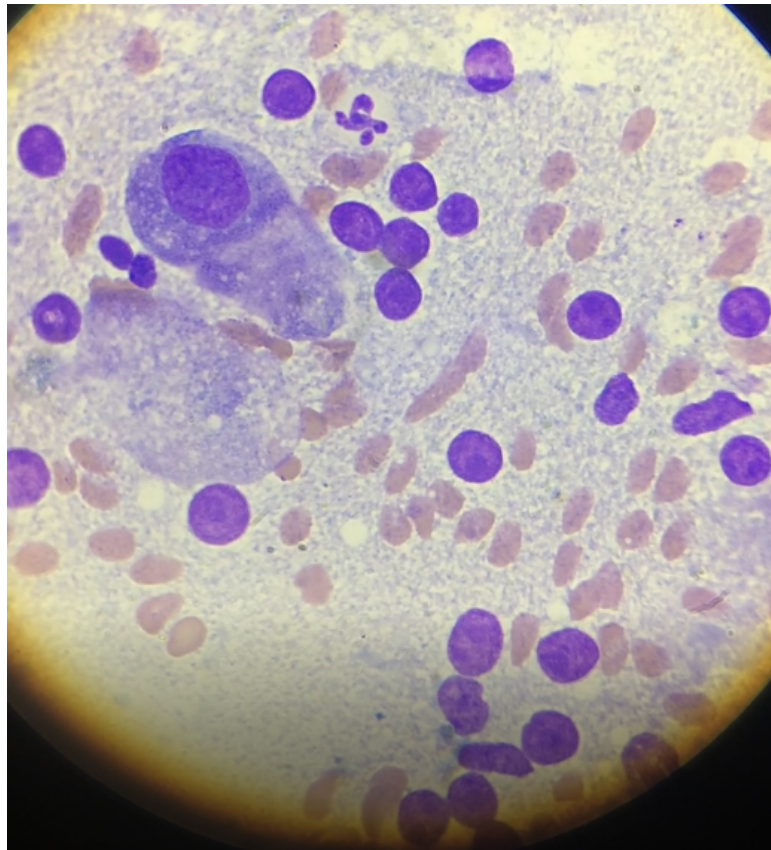


Image shows hepatocytes with vacuolization surrounded by large numbers of lymphoid cells collected from Murphey. Note the nucleoli are prominent in the round cells.