



DATE PRESENTING CLINICAL SIGNS

4/7/22

ALT elevation since July 2020, found when in for a lameness. No clinical signs, ALT has remained elevated and AUS done today. FNA of spleen and liver.
BW (2-24-2022): ALT 475, ALP 171.
AUS: variable sized, hypoechoic lesions throughout the spleen.

INTERPRETED BY

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

CYTOLOGY SUBMISSION

Spleen; liver

PATIENT

Mercedes Hodsdon

OBSERVATIONS

Spleen: Submitted are 9 excellent videos of cells collected from the spleen in Mercedes. The cells are mixed in many fields. There are neutrophils interspersed with nucleated red blood cells and other round cells that have the appearance of lymphocytes, many of which are quite large. There are fields that have large irregular lymphocytes with nuclei that are 2 to 4 times the size of red blood cells. Many of these cells have prominent dark cytoplasm and prominent nucleoli. These cells are not present in all fields.

SPECIES

Canine

Liver: Submitted are 5 excellent videos of cells collected from the liver in Mercedes. There are scattered packets of hepatocytes. The hepatocytes demonstrate vacuolization and granularity to a mild degree. There are scattered neutrophils and other inflammatory cells interspersed with the hepatocytes. The most prominent cellularity includes neutrophils. I did not identify large irregular lymphoid cells observed in the spleen in the liver.

BREED

Shepherd mix

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Spleen - Suggestive of early high-grade lymphoma in multifocal sites.
Liver - Mild hepatocellular vacuolization and granularity with a suggestion of chronic suppurative inflammation.

SEX

Female Spayed

COMMENTS

The changes in some fields in the spleen suggest an early high-grade lymphoma. This should be confirmed by immunophenotyping or further evaluation. Splenectomy may be beneficial. The atypical cells identified in the spleen were not identified in the liver. It is possible that the splenic changes could be limited to the spleen at this time. Further evaluation of Mercedes for involvement in other organs is encouraged.

AGE

8y

The liver changes suggest inflammation in the liver but this can be secondary to many different conditions. It could be leaking from enteritis, pancreatitis or even be primary. Treatment with antibiotics should be beneficial in controlling the inflammatory process in the liver. A guarded prognosis is warranted with the observations of large irregular lymphoid cells in the spleen in Mercedes.

WEIGHT

70 lbs

HOSPITAL NAME

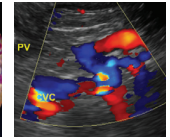
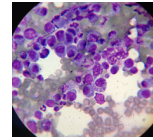
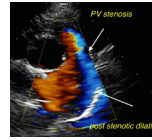
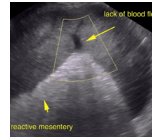
Scanvet

REFERRING VET

Dr. Wilson

INVOICE NUMBER

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PATIENT

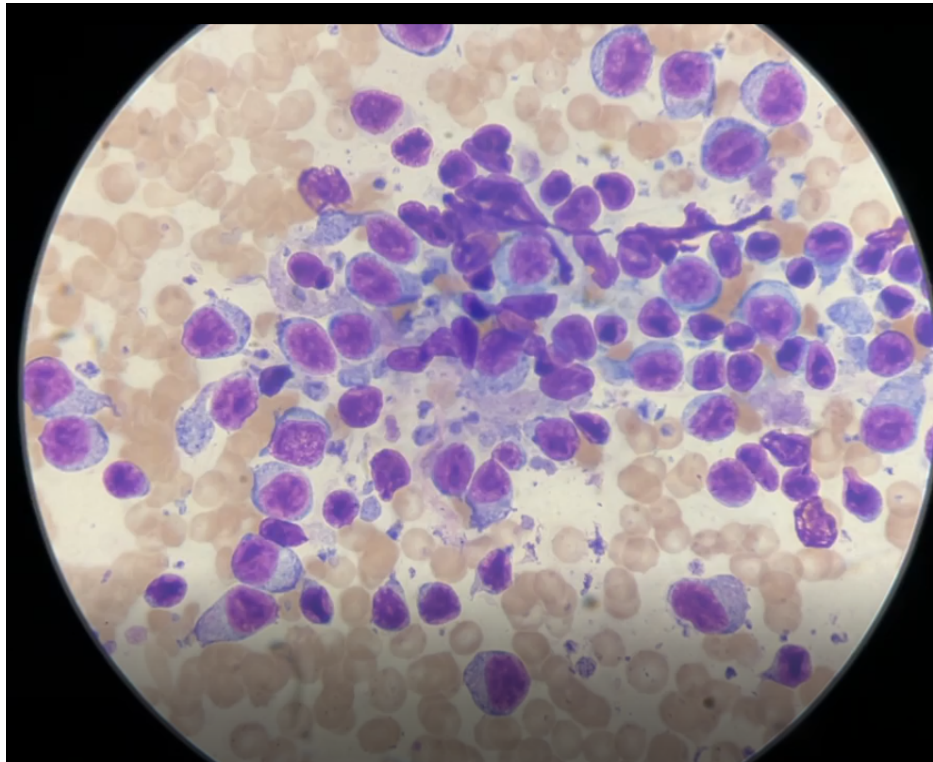
Mercedes Hodsdon

SPECIES

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Image shows a field of large lymphoid cells with prominent nucleoli which are irregular. There are a few small lymphocytes in this field.

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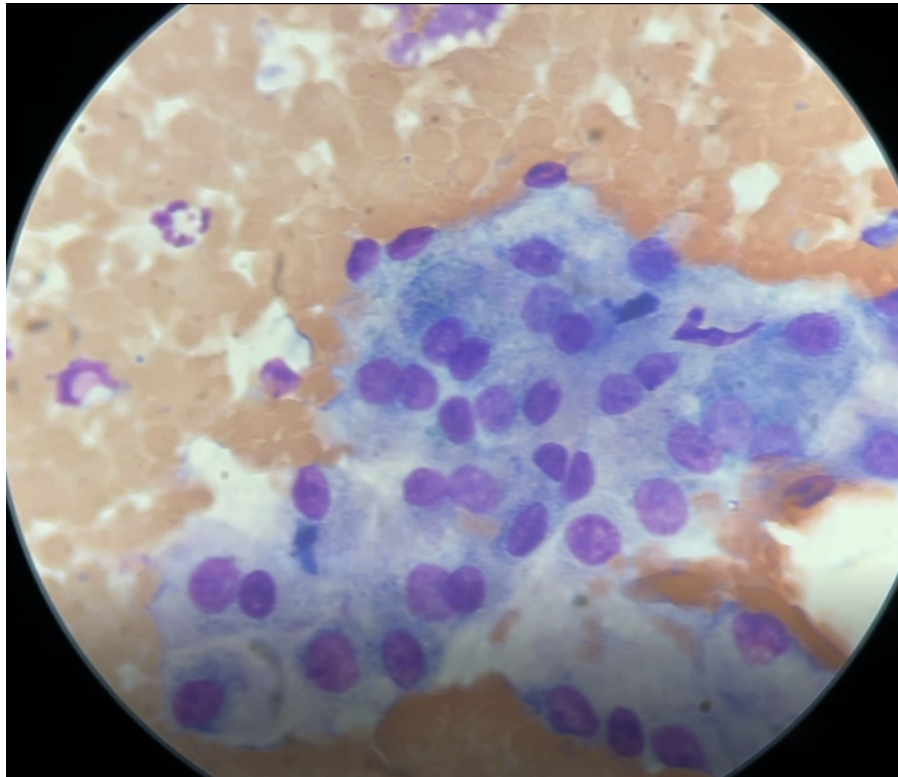


Image shows hepatocytes with associated neutrophils collected from Mercedes. Note the vacuolization and granularity of the hepatocytes.

AGE

8y

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

70 lbs

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

Scanvet

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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