



DATE PRESENTING CLINICAL SIGNS

6/15/23 Elevated LE.
BUN 41 H, SDMA 8, ALP 1,576, TP 7.6, Glob 4.0. UA SG 1.020, Prot 30.
HW4Dx: Anaplasma +

INTERPRETED BY

AUS: liver mass found in R lateral/caudal liver, pushing out normal liver parenchyma; splenomegaly with multiple suspected myelolipomas and mildly scalloping capsule contour in places.

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

CYTOLOGY SUBMISSION

PATIENT

FNA of liver mass and splenic parenchyma

Pacqui Gruver

OBSERVATIONS

SPECIES

Canine

Liver: Submitted are several excellent videos of cells collected from the liver in Pacqui. The cellularity includes good collections of hepatocytes with mild hepatocellular vacuolization and granularity. There are packets of epithelial cells that are not hepatocytes. They have the appearance of glandular cells or possibly neuroendocrine cells. The cellularity is irregular. Nuclei are rounded within a bluish grey cytoplasm and the cellularity is aggregated. Inflammation is minimal.

BREED

Mixed

Spleen: Submitted are several excellent videos of cells collected from the spleen in Pacqui. The cellularity is mixed. There are excellent collections of nucleated red blood cells with scattered myeloid cells and lymphocytes. Nucleated red blood cells are present throughout the collection. Lipid is readily identified. Adipocytes are rare. There is no suggestion of malignancy.

SEX

Male Neutered

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Liver - Suggestive of a carcinoma with normal hepatocellular elements
Spleen - Consistent with myelolipoma and prominent hematopoiesis

AGE

12y

COMMENTS

WEIGHT

78 lbs

The changes in the liver suggest the possibility of a carcinoma. In some areas I was concerned about the possibility of a bile duct carcinoma but in other areas there is a suggestion of a neuroendocrine carcinoma such as an islet cell carcinoma or other metastatic process. It could also be a metastatic pancreatic acinar carcinoma. There is no suggestion of primary hepatocellular carcinoma.

The changes in the spleen are consistent with a myelolipoma with prominent hematopoiesis. There is no suggestion of other types of malignancy or inflammation. This change could be secondary to many different conditions. The cellular changes in the liver are not present in the spleen. A guarded to unfavorable prognosis is warranted due to the irregular epithelial cells in the liver. Biopsy will become required to confirm the specific cellular type of neoplastic process in the liver.

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Lane

INVOICE NUMBER

40760



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PATIENT

Pacqui Gruver

SPECIES

Canine

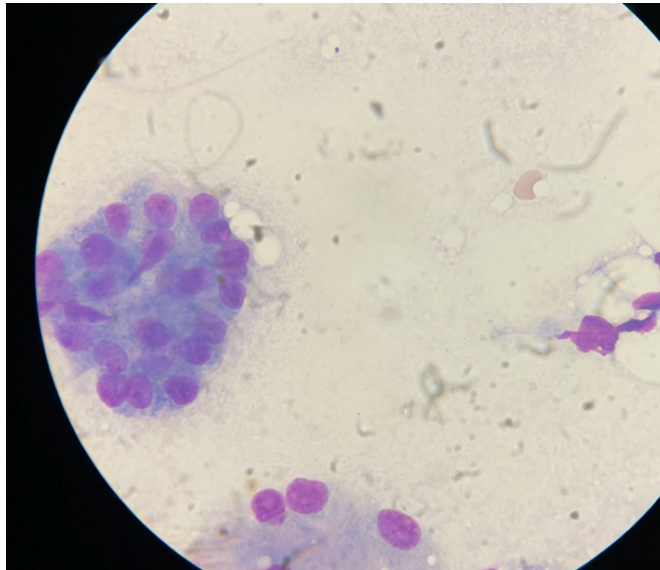


Image shows 2 populations of cells from the liver in Pacqui. Hepatocytes are grouped below and an irregular aggregate of apparent epithelial cells are observed to the upper left.

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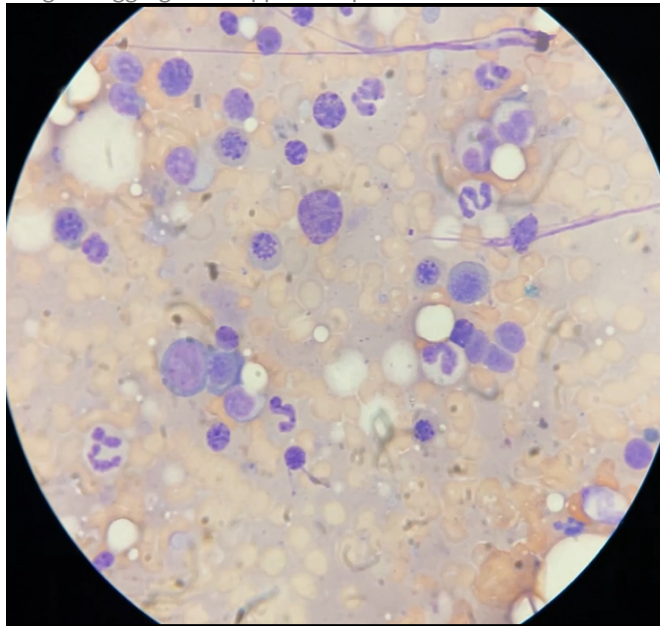


Image shows lipid interspersed with nucleated red blood cells and neutrophils scattered throughout the collection from the spleen in Pacqui. Neoplastic changes are not observed.

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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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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.



DATE

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PATIENT

Pacqui Gruver

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