

DATE PRESENTING CLINICAL SIGNS

7/22/22

History: Vomiting Anorexia Lethargy
ALT 1811
ALP 1288
GGT 21

INTERPRETED BY

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

TBIL 7.1

Current Medications

Cerenia, amoxicillin, metronidazole, Denamarin advanced

PATIENT CYTOLOGY SUBMISSION

FNA of liver

Edison Instasi

OBSERVATIONS

SPECIES

Canine

Liver: Submitted are 2 excellent videos of moderate cellularity collected from the liver in Edison. The hepatocytes demonstrate some irregular cellularity with granularity of the cytoplasm. There are binucleated hepatocytes and there is evidence of anisokaryosis in the hepatocytes. In some areas there is evidence of anisocytosis. The surrounding red blood cells demonstrate a mixture of cellularity including neutrophils, lymphocytes, and rare macrophages. Malignant characteristics are not identified in the surrounding red blood cells.

BREED

Border Collie mix

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Liver - Irregular cellular proliferation of hepatocytes with evidence of chronic inflammation in the surrounding red blood cells.

SEX

Male Neutered

COMMENTS

This collection is somewhat unusual for a 3 yr old dog. There are changes that suggest a proliferative process of the hepatocytes. In some areas it suggests nodular hyperplasia, but I wonder about the possibility of neoplasia. This change cannot be confirmed cytologically. There is inflammation in the surrounding red blood cells. This inflammation could be secondary to inflammation draining to the liver or possibly even primary including the possibility of leptospirosis. The ultrasound evaluation does not support neoplasia although cytologically there is a suggestion of that potential. Due to the irregular cellularity, following evaluation for infection including leptospirosis, if those changes are negative, then further evaluation for hepatocellular neoplasia is in order. Exploratory evaluation and biopsy would be suggested in that instance. Due to the fact that we are unable to identify a primary process, a guarded prognosis is warranted.

AGE

3yr

WEIGHT

39 lbs

HOSPITAL NAME

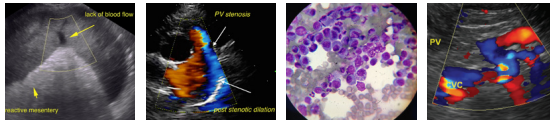
Albany Animal Hospital

REFERRING VET

Dr. Spangler

INVOICE NUMBER

40568



DATE

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INTERPRETED BY

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

PATIENT

Edison Instasi

SPECIES

Canine

BREED

Border Collie mix

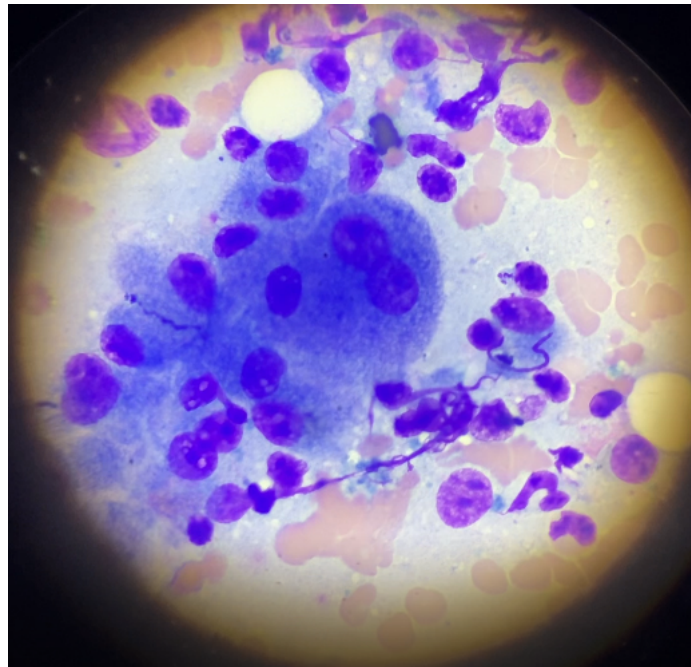


Image demonstrates the irregular hepatocytes including a binucleated hepatocyte collected from the liver in Edison. Note the inflammation in the surrounding RBCs including neutrophils.

SEX

Male Neutered

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.

AGE

3yr

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.

WEIGHT

39 lbs

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