



DATE PRESENTING CLINICAL SIGNS

10/28/22

Elevated liver enzymes - trending higher.

INTERPRETED BY CYTOLOGY SUBMISSION

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

FNA of Liver

PATIENT

Samson Bawagradi

OBSERVATIONS

Liver: Submitted are several images and three videos of cells collected from the liver in Samson. Many of the images and videos include hepatocytes, which appear to be slightly vacuolated and minimally granulated. The nuclei are slightly varied. Around the hepatocytes are aggregates of neutrophils and an occasional lymphocyte. Malignant characteristics are not identified.

SPECIES

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Liver - Mild hepatocellular vacuolization and granularity with mild chronic suppurative inflammation.

BREED

Havanese

COMMENTS

The cellular change in this collection supports the possibility of a mild inflammatory process which appears to be chronic. This could be secondary to pancreatitis or secondary to other problems in the abdominal cavity that are inflammatory. I was unable to identify any suggestions of malignancy. The hepatocytes demonstrate slight vacuolization and granularity. This may be due to the fact that the dog is aging, and the hepatocellular membranes are becoming weaker and leaking. This could allow for leakage of hepatocellular enzymes into the circulation. This is a common aging problem in dogs. If there are no clinical signs or evidence of other changes in Samson, then I would be concerned about a nonspecific hepatocellular membrane leakage and continued monitoring is encouraged. The enzymes may continually increase and cause no clinical problem in Samson.

SEX

Male Neutered

AGE

9y

WEIGHT

15 lbs

HOSPITAL NAME

Franklin Lakes Animal
Hospital

REFERRING VET

Dr. Ward

INVOICE NUMBER

40635



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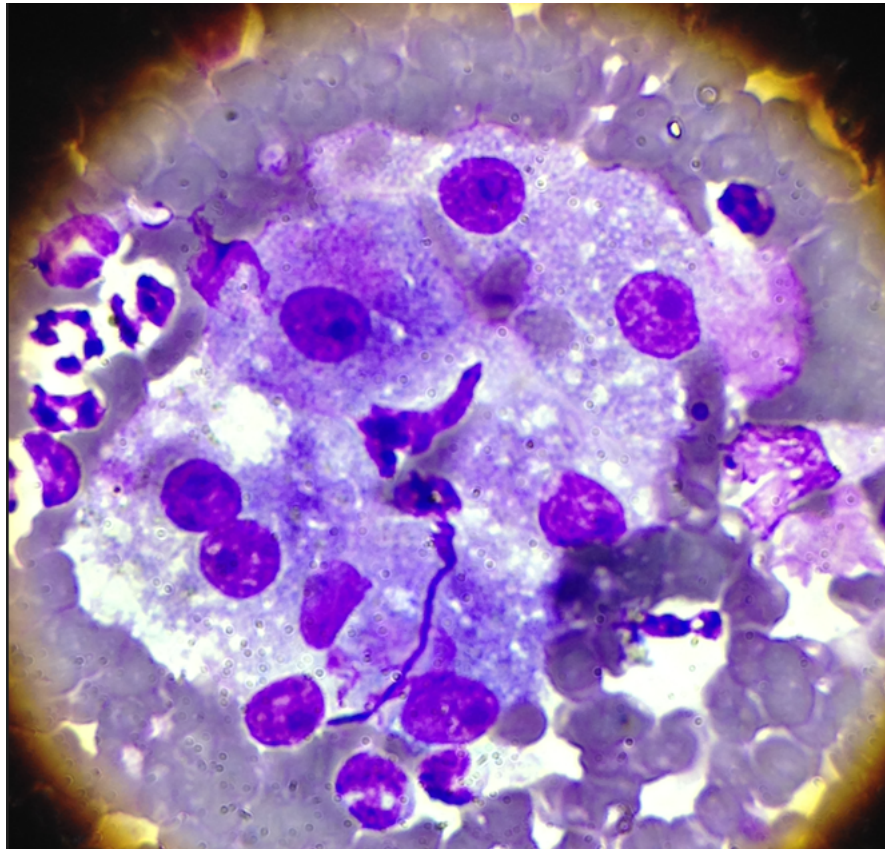


Image shows a representative collection of hepatocytes and inflammatory cells from the liver in Samson. Note the neutrophils in the upper left and the vacuolization of hepatocytes.

AGE

9y

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

15 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

Franklin Lakes Animal
Hospital

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