



DATE PRESENTING CLINICAL SIGNS

5/1/23

Resubmission

CYTOLOGY SUBMISSION

Liver

INTERPRETED BY

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

OBSERVATIONS

Liver (resubmit): Submitted are 10 excellent videos of excellent collections of adipocytes from the liver in Moxie. Hepatocytes are represented in all of the videos. There are scattered erythrocytes surrounding some of these packets of hepatocytes. Inflammatory cells include neutrophils with scattered lymphocytes. The hepatocytes demonstrate mild vacuolization with granularity. The vacuolization in some cells suggest lipid and in others it is most consistent with fluid. There is some pigment which is likely lipofuscin. Scattered hepatocytes have larger than usual nuclei but they are few in numbers. There are scattered binucleated cells. Specific malignant characteristics are not identified.

PATIENT

Moxie Kloss

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SPECIES Liver - Hepatocellular vacuolization and granularity with mild chronic suppurative inflammation and possible nodular hyperplasia.

Canine

COMMENTS

There is evidence of chronic inflammation in these videos which was identified in the original submitted videos. This inflammation can be secondary to many different conditions. There are some vacuoles that suggest the possibility of copper buildup. They are not massive numbers. Copper staining will be required to confirm that presence. Biopsies are the best means for identifying copper involvement in the liver. There is no suggestion of malignancy but nodular hyperplasia or possibly low grade hepatocellular adenoma may be considered. Confirmation of this diagnosis will require a biopsy. Therefore biopsy is suggested to evaluate for nodular hyperplasia and copper levels in Moxie.

BREED

Corgi

SEX

Female Spayed

AGE

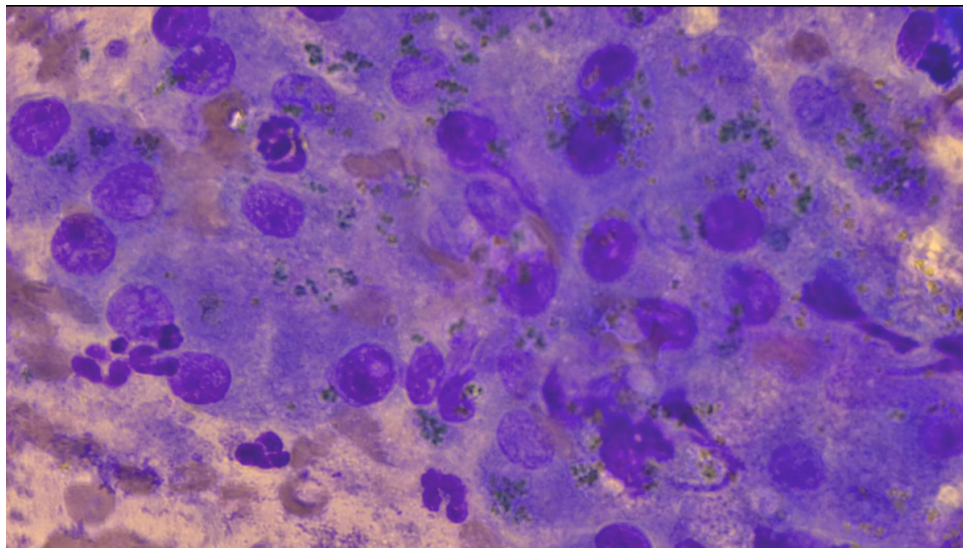
11

WEIGHT

29

HOSPITAL NAME

Central Veterinary
Hospital



REFERRING VET

Dr. St. Sir

Image shows hepatocytes with scattered neutrophils. Lipofuscin is prominent. Other fields were more representative of vacuolization in the hepatocytes than this field collected from Moxie.

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.

INVOICE NUMBER

940



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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.

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