



DATE PRESENTING CLINICAL SIGNS

2/4/23

Dental done 11/1/2022, pre surgical blood work showed increased ALT, patient was placed on Denamarin and dental was performed. Decreased appetite after dental. Recheck blood work showed decreased ALT but still elevated, continued Denamarin. Pt then came in for blood in urine, recheck blood work and ALT significantly increased.

INTERPRETED BY

Abnormal PE/Chem/CBC/UA Results: 10/31/2022 ALT 486 12/07/2022 ALT 241 1/26/2023 ALT 2525 Alkp 344 Current Medications Denamarin Radiographic Findings no concerns

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

CYTOLOGY SUBMISSION

Liver

PATIENT OBSERVATIONS

Khloe Yarbrough

Liver: Submitted are 2 excellent videos of cells collected from the liver in Khloe. There are fields that include hepatocytes but the hepatocellular collection is not high. The hepatocytes present demonstrate slight granularity of the cytoplasm and vacuolization. The surrounding red blood cells and surrounding cells have scattered neutrophils with a few lymphocytes. The lymphocytes are slightly reactive but many of the lymphocytes are small. There is no suggestion of malignancy or sepsis. Neutrophils are the most prominent cellularity in the collection in these videos.

SPECIES

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Liver - Hepatocellular vacuolization with mild granularity and mainly suppurative inflammation with a few lymphocytes.

BREED

Miniature Schnauzer

COMMENTS

The cellularity suggests that the hepatocytes are responding to some type of metabolic disease process. This could be secondary to endotoxins absorbed from the intestine or changes in the pancreas that would result in endotoxin is released there. There is no suggestion of malignancy or sepsis. Some of the suppurative change could be the result of ascending inflammation up the biliary tree. Lymphocytes are present but they are not the most numerous cellularity. I cannot rule out the possibility of copper buildup in the liver either. A guarded prognosis is warranted since the changes in the liver are likely secondary and not primary.

AGE

4y

WEIGHT

16.2 lbs

HOSPITAL NAME

West Salem Animal
Clinic

REFERRING VET

Dr. Sirianni

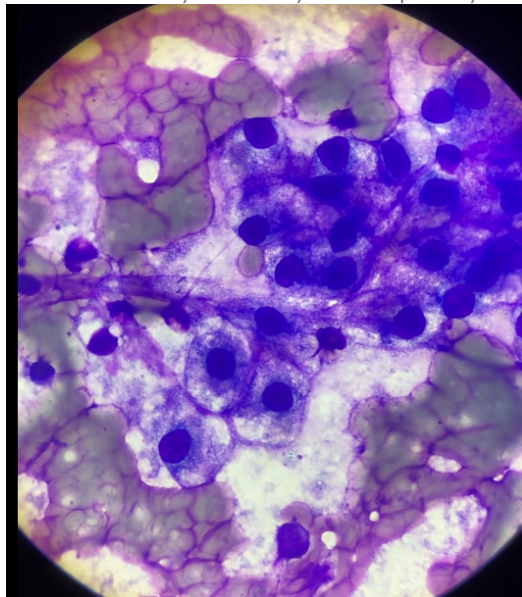


Image shows vacuolated hepatocytes with a couple of lymphocytes and neutrophils collected from the liver in Khloe. Malignant characteristics are not present.

INVOICE NUMBER

887



DATE 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.
2/4/23

INTERPRETED BY 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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PATIENT

Khloe Yarbrough

SPECIES

Canine

BREED

Miniature Schnauzer

SEX

Female Spayed

AGE

4y

WEIGHT

16.2 lbs

HOSPITAL NAME

West Salem Animal
Clinic

REFERRING VET

Dr. Sirianni

INVOICE NUMBER

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