



DATE PRESENTING CLINICAL SIGNS

12/6/21 Elevated liver enzymes. FNA post Ultrasound
10-16-21: ALT 177, ALP 501, triglyceride 447. Remainder of superchem, CBC, T4 was normal (T4 2.2).

INTERPRETED BY

11-6-21: ALT 270, ALP 471. Low dose dexamethasone test was normal. Pre cortisol 2.7, 4hrs post 0.5, 8hrs post 0.2.

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

CYTOLOGY SUBMISSION

Liver

PATIENT

Willow Young

OBSERVATIONS

Sample Liver: Submitted are 5 excellent videos of moderate to excellent collections of hepatocytes from the liver in Willow. The hepatocytes are rather uniformly granulated to slightly vacuolated. There are very few inflammatory cells in the surrounding red blood cells. Criteria for malignancy are not identified. There is no significant suggestion of infiltration of cells into the liver parenchyma.

SPECIES

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Liver - Mild hepatocellular vacuolization and granularity with minimal suggestion of inflammation.

BREED

American Eskimo Mix

COMMENTS

The changes observed in these excellent collections of hepatocytes are changes that may occur in older dogs. There is no suggestion of any infiltration or neoplastic change or infection. The change in the hepatocytes suggests the likelihood of hepatocellular membrane leakage. This can occur in older dogs and any dogs that might have undergone some hepatocellular stress in the past. Heavy doses of steroids can also cause this type of change. I suspect that the membrane leakage is causing enzyme increase in the bloodstream and Willow will likely live with this for her lifetime. Continued monitoring is always encouraged.

SEX

Female Spayed

AGE

10y

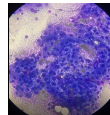


Image shows a good group of hepatocytes with vacuolization and granularity in the hepatocytes from Willow.

WEIGHT

16.8 lbs

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.

HOSPITAL NAME

Q Street Animal Hospital

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.

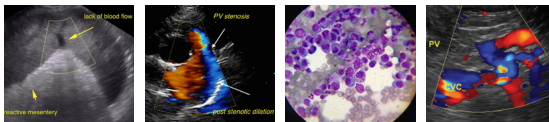
REFERRING VET

Dr. Hoerauf

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INVOICE NUMBER

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