



DATE **PRESENTING CLINICAL SIGNS**
1/6/22 Elevated liver enzymes

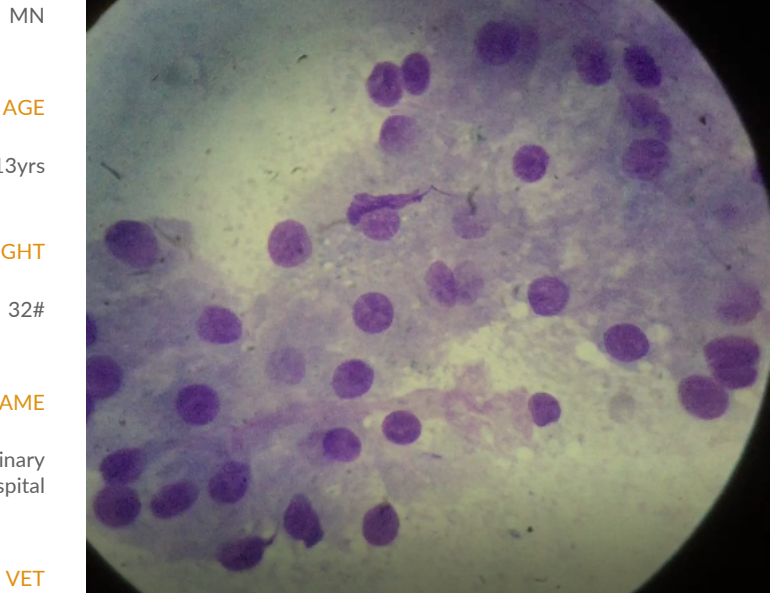
INTERPRETED BY **CYTOLOGY SUBMISSION**
L.D. McGill, DVM, Ph.D, DACVP FNA of Liver

PATIENT **OBSERVATIONS**
Otto Fenara Liver: Submitted are 8 very good videos of minimal to moderate collections of hepatocytes from the liver in Otto. The hepatocytes in all of the videos demonstrate slight granularity and slight vacuolization. There is very minimal anisocytosis and anisokaryosis. Binucleate cells were identified. Malignant characteristics are not identified in the hepatocytes. The cells surrounding the hepatocytes are mainly red blood cells with a very minimal mixture of lymphocytes and neutrophils.

SPECIES **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**
Canine Liver - Mild hepatocellular vacuolization and granularity suggesting metabolic liver changes and possible nodular hyperplasia.

BREED **COMMENTS**
Schnauzer The cellularity in this collection is not specific for any primary process in the liver. The changes suggest some type of metabolic liver disease process which could be secondary to enteritis or even pancreatitis. Other nonspecific abdominal changes could cause this type of reaction. If there are nodules, then nodular hyperplasia appears most likely. There are no changes in these collections to support neoplasia or sepsis.

SEX



AGE

13yrs

WEIGHT

32#

HOSPITAL NAME

Newton Veterinary Hospital

REFERRING VET

Dr. Wyman-Greenwald

Image shows hepatocytes with mild granularity and vacuolization in the aspirates from Otto. Nodular hyperplasia is possible.

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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.

INTERPRETED BY

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

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.

PATIENT

Otto Fenara

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SPECIES

Canine

BREED

Schnauzer

SEX

MN

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