



DATE PRESENTING CLINICAL SIGNS

8/5/22 Patient presented for abdominal ultrasound 8/4/22.
Large, heteroechoic mass found in liver, ~6cm. Aspirate samples taken via ultrasound guided FNA while patient was sedated.

INTERPRETED BY

Not eating well, recently diagnosed with UTI 7/29/22 treated with Convenia, weight loss, all liver enzymes elevated on BW 7/30/22 (ALT 1374, AST 148, ALP 540).

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

CYTOLOGY SUBMISSION

PATIENT

FNA of Liver

Izzie Veltman

OBSERVATIONS

SPECIES

Liver: Submitted are 6 excellent videos of minimal to excellent collections of nucleated cells from the liver in Izzie. There are three videos that have large numbers of erythrocytes and a very few inflammatory cells but very minimal numbers of hepatocytes. Other videos have excellent collections of hepatocytes. The hepatocytes are showing anisokaryosis and in some areas anisocytosis. There are cells that are binucleate. The nuclei are demonstrating nucleoli. There is mild inflammation in the surrounding red blood cells. The hepatocytes are somewhat disorganized and piled upon each other.

BREED

PugX

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

Liver - Hepatocellular proliferation suggesting at least hepatocellular adenoma or possible carcinoma or at best rather severe nodular hyperplasia. (See comments)

SF

COMMENTS

AGE

There are some fields where the hepatocytes demonstrate marked anisokaryosis causing concern about the potential of a hepatocellular carcinoma. Where the hepatocytes are prominent in the videos, they are definitely showing some type of proliferative process. I am most concerned about a hepatocellular adenoma or carcinoma. Nodular hyperplasia is still a possibility with marked areas of hemorrhage and inflammation occurring secondarily. Exploratory surgery will be required to confirm the process. Other types of neoplasia cannot be identified. A guarded to unfavorable prognosis is warranted.

13Y

WEIGHT

13.8#

HOSPITAL NAME

Rotterdam Veterinary
Hospital

REFERRING VET

Dr. Anna St Sir

INVOICE NUMBER

40576



DATE

8/5/22

INTERPRETED BY

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

PATIENT

Izzie Veltman

SPECIES

Canine

BREED

PugX

SEX

SF

AGE

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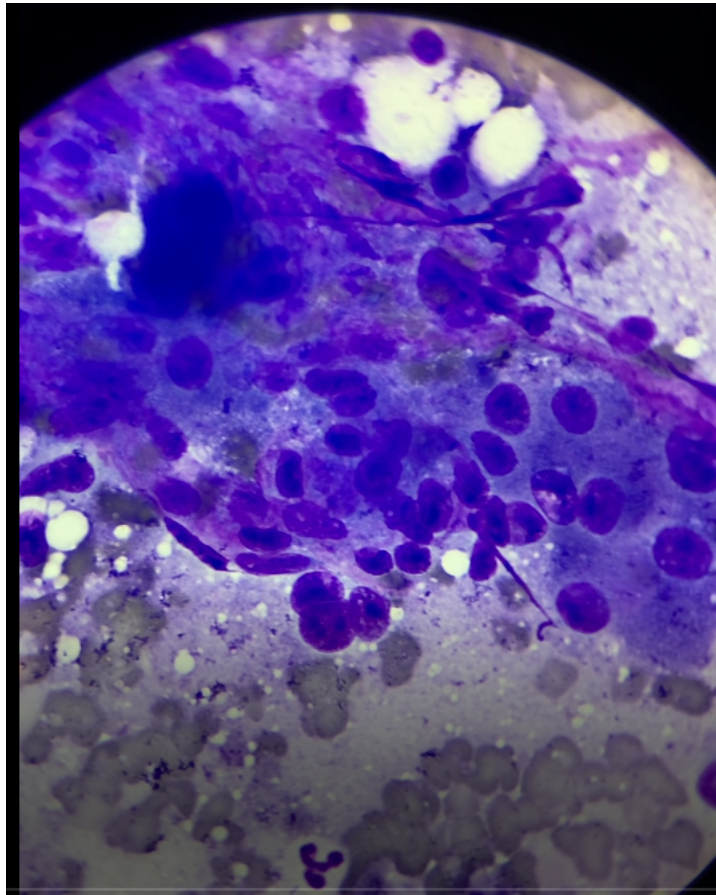


Image shows a group of hepatocytes collected from the liver in Izzie. Note the anisokaryosis in the cells. There are scattered inflammatory cells.

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.

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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