



PATIENT

Flynn Barengo

SPECIES

Canine

BREED

Australian Shepherd

SEX

Neutered male

AGE

11 years

WEIGHT

47 lbs

INTERPRETED BY

Dr. Lawrence McGill,
DVM, Ph.D., Diplomate,
ACVP

IMAGING PERFORMED BY

Karen Ebersole DVM,
DABVP

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Barengo

INVOICE

69464

DATE

12/9/25

PRESENTING CLINICAL SIGNS

History: Elevated LE. Minimal change with course of antibiotics, Denamarin and Ursodiol. Daily vomiting of bile and picky appetite. Adopted in August. FNA of liver and mass.
Abnormal PE/Chem/CBC/UA Results: 11/2025 - BW - ALT 1000, ALP 318, GGT 66. Rx 2 weeks of Cephalexin, Metronidazole, Denamarin and Ursodiol. Repeat bloodwork: ALT 749, ALP 323, GGT 45.
AUS - cranial abdominal mass - suspect connected to head of spleen. Apx 7 cm diameter, hyperechoic to heterogeneous, moderately vascular on power doppler. Liver - variably sized hyperechoic nodules, particularly in right liver.

CYTOLOGY SUBMISSION

FNA of the abdominal mass and liver were submitted

OBSERVATIONS

Abdominal mass: Submitted are very good videos of excellent collections of cells from the abdominal mass in Flynn. The cellularity is quite consistent with prominent cytoplasm in many of the cells but other cells do not demonstrate cytoplasm and are showing naked nuclei. The cytoplasm has the appearance of hepatoid cytoplasm which is bluish gray in this collection. The nucleated cellularity is demonstrating anisocytosis and anisokaryosis.

Liver: Submitted are very good videos of excellent collections of cells from the liver in Flynn. The hepatocytes demonstrate slight vacuolization and granularity. In some of the fields these cells are very similar to those in the mass. There is no suggestion of other infiltration such as lymphocytes or neutrophils. Malignant characteristics are not suggested in the liver.

INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

Abdominal mass - Neoplastic process suggesting a hepatocellular or neuroendocrine source.

Liver - Hepatocellular vacuolization with no suggestion of malignancy.

COMMENTS

The abdominal mass is a neoplastic process but I'm not certain whether it is hepatocellular or neuroendocrine in nature. If there were hepatocellular in nature, this could be a reason for the high liver enzyme levels. Even being a neuroendocrine tumor this could also add to increased enzymes in Flynn. Exploratory to collect a biopsy and eliminate the mass is encouraged. I did not identify those same cells in the liver. The hepatocytes appear to have normal maturation changes. Due to this neoplastic process, a guarded prognosis is warranted in Flynn until the mass can be identified and hopefully removed resulting in prolonged life.



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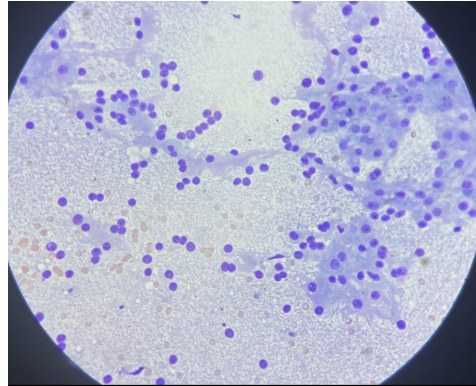
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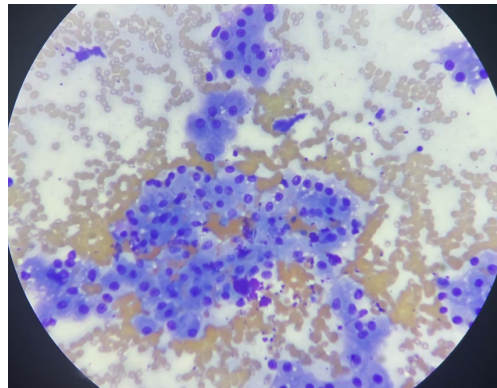
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CYTOLOGY IMAGE



This is an image of the neoplastic cells demonstrating some of the cells that have naked nuclei. Other cells demonstrate prominent cytoplasm which could be hepatocellular in nature in this mass collected from Flynn.



This is an image representing hepatocytes collected from the liver in Flynn. There is some slight irregularity in these cells suggesting the possibility of nodular hyperplasia.

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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.

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

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