



DATE PRESENTING CLINICAL SIGNS

4/13/22

1) New heart murmur and hypertension
2) ADR, cranial abdomen lack of detail and possible liver irregularity
Current meds: Cytopoint, Gabapentin, Enalapril, Rimadyl
WNL *History oral FSA 7/21*

INTERPRETED BY

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

CYTOLOGY SUBMISSION

FNA of Liver

OBSERVATIONS

Liver: Submitted are 9 excellent videos of cells collected from the liver in Sadie. There are good packets of hepatocytes in several locations. The majority of the cells are round nuclei with prominent nucleoli scattered throughout these videos. These particular cells demonstrate minimal cytoplasm. Occasionally they are aggregated in irregular patterns. This cellularity has effaced much of the hepatocellular collections throughout these videos.

SPECIES

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Liver - Proliferative epithelial cell process suggesting neuroendocrine tumor with secondary hepatocellular vacuolization and granularity.

COMMENTS

BREED

Beagle

The cellularity is not diagnostic but is strongly suggestive of a neuroendocrine tumor in the liver in Sadie. The hepatocytes are slightly vacuolated and irregular, but this is common for secondary change in the liver. The irregular cells that appear to be neoplastic strongly support neuroendocrine tumors such as an islet cell carcinoma or possibly a metastatic carcinoma from other locations including aortic body carcinoma. A follow-up biopsy will likely be required to confirm the specific source of these proliferative cells. There is an outside possibility that lymphoma could be a part of the process, but the cells do not have a classical appearance for lymphoma cells. Cytoplasm is difficult to identify in these irregular cells. This is a common feature of neuroendocrine tumors. An unfavorable prognosis is warranted in my opinion.

SEX

FS

AGE

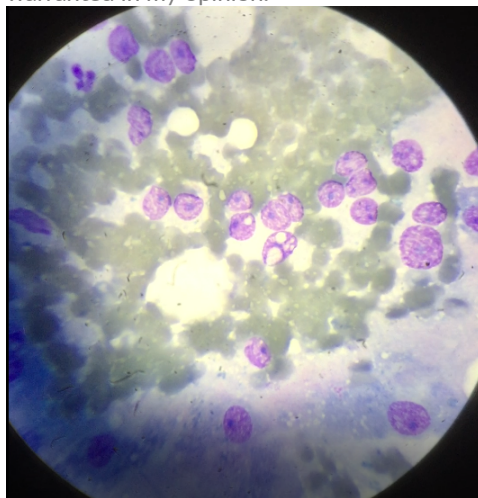
9yrs

WEIGHT

21.8#

HOSPITAL NAME

ACC Flanders



REFERRING VET

Dr. Casulli

Image shows hepatocytes in the lower regions of this image with the irregular tumor cell nuclei above the hepatocytes. Note the anisokaryosis in the irregular cells with minimal cytoplasm.

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.

INVOICE NUMBER

40499



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4/13/22

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

Sadie Barry

SPECIES

Canine

BREED

Beagle

SEX

FS

AGE

9yrs

WEIGHT

21.8#

HOSPITAL NAME

ACC Flanders

REFERRING VET

Dr. Casulli

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