



## PATIENT

Bastet Howard

## SPECIES

Feline

## BREED

Domestic Shorthair

## SEX

Neutered male

## AGE

9 years

## WEIGHT

9.9 lbs

## INTERPRETED BY

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

## IMAGING PERFORMED BY

Erin LVT

## HOSPITAL NAME

Rotterdam VH

## REFERRING VET

Dr. Anna St Sir

## INVOICE

73646

## DATE

3/19/26

## PRESENTING CLINICAL SIGNS

- Abd. U/S showed enlarged hyperechoic cystic lesion in left liver lobe - FNA taken for path. review
- Pancreas was enlarged and hypoechoic with anechoic nodule - FNA taken for path. review

## CYTOLOGY SUBMISSION

FNA of the liver and pancreas were submitted

## OBSERVATIONS

Liver: Submitted are 8 excellent images of excellent collections of cells from the liver in Bastet. The cellularity consists of aggregates of epithelial cells that have minimal cytoplasm with rounded nuclei. The cytoplasm is bluish gray. There are two images that have hepatocytes. The other images are these irregular rounded cells that have a neuroendocrine pattern.

Pancreas: Submitted are 8 excellent images of excellent collections of cells from the pancreas in Bastet. There are aggregates of the cells that demonstrate similar appearance to those in the liver. There are aggregates of cells that are irregular in several locations. There are multiple aggregates that have the similar appearance as described in the liver.

## INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

Liver - Neoplastic epithelial cells suggesting neuroendocrine tumor.

Pancreas - Irregular neoplastic epithelial cells suggesting neuroendocrine tumor.

## COMMENTS

The cellularity in both collections of the liver and the pancreas are suggesting neuroendocrine neoplasia. This is strongly suggestive of an islet cell carcinoma in the pancreas that has metastasized to the liver. There is some secondary degeneration and inflammation in a few of the sites but the majority of the epithelial cells collected in these images suggest a neuroendocrine tumor. Biopsy of the pancreas and liver will be required to confirm but with this cellularity, an unfavorable prognosis is likely in my opinion.



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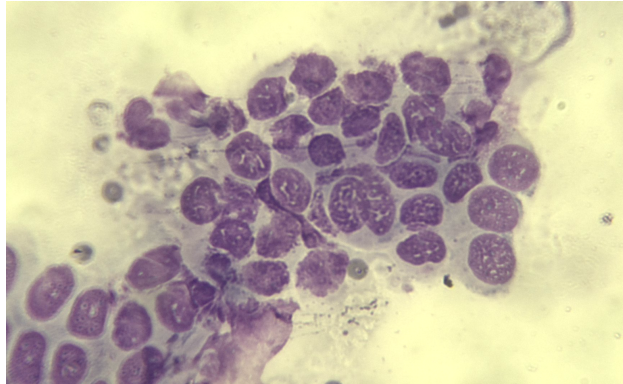
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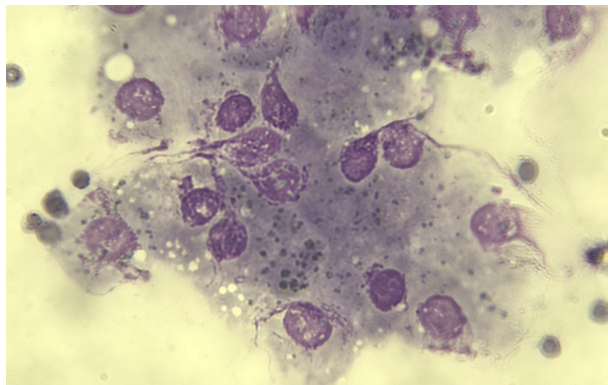
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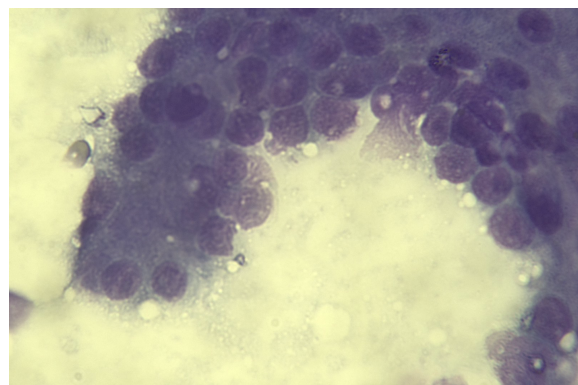
## CYTOLOGY IMAGE



The image shows some of the apparent tumor cells collected from the liver mass in Bastet. Note the irregular nuclei and indistinct cytoplasm.



The image shows a group of hepatocytes demonstrating the difference compared to the tumor cells above. These are from the liver in Bastet.





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The image shows a group of tumor cells collected from the pancreas in Bastet. Note the similarity to the tumor cells from the liver.

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**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.**

## SEX

Neutered male

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.

## AGE

9 years

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

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