



DATE PRESENTING CLINICAL SIGNS

8/13/22 Several Week Hx of ADR and decreased appetite; Also Weight Loss

Labs were normal

U/S showed (To Me...Owner passed on Sonopath review) a pancreas that is nodular w/ capsule irregularities. Also some associated inflammation. There is also some mesenteric lymphadenopathy. I can't tell if this is chronic pancreatic changes vs. a neoplastic process.

INTERPRETED BY

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

CYTOLOGY SUBMISSION

Pancreas

OBSERVATIONS

PATIENT

Fuzz Miskimmin

Pancreas: Submitted are 7 excellent videos of moderate to excellent collections of cells from the pancreatic nodule in Fuzz. The cellularity on many of the videos is a proliferation of packeted cells with prominent anisokaryosis and anisocytosis. These cells have prominent nucleoli. The cytoplasm is minimal which is bluish gray when identified. Cellular detail cannot be confirmed in much of this packeted cellularity. The cells therefore appear to be piling upon each other. The aggregation suggests an epithelial or neuroendocrine type of process. In many of the fields there are other types of cells that are macrophages with a foamy cytoplasm and degenerate nuclear debris. This suggests secondary inflammation.

SPECIES

Feline

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

BREED

Pancreas - Consistent with a neoplastic process, probably neuroendocrine, with secondary chronic necrotizing pancreatitis. (Please see comments)

DSH

COMMENTS

SEX

Male Neutered

The cellularity supports a proliferative process of cells that have characteristics of neuroendocrine proliferation such as an islet cell carcinoma. There are other types of neuroendocrine tumors that may occur in this location. It could also be a very aggressive pancreatic acinar carcinoma but I would expect more cytoplasm on those cells if that was the source. The cellularity is irregular and with the prominent nucleoli in cells with multiple nucleoli, a carcinoma is likely although neuroendocrine tumors can have carcinoma patterns as well. The inflammation is likely secondary. Exploratory and biopsy will be required to confirm the diagnosis and prognosis but with what we have at this point, an unfavorable prognosis is warranted in Fuzz in my opinion.

AGE

12y

WEIGHT

13lbs

HOSPITAL NAME

Franklin Animal Clinic

REFERRING VET

Dr. Doverspike

INVOICE NUMBER

771



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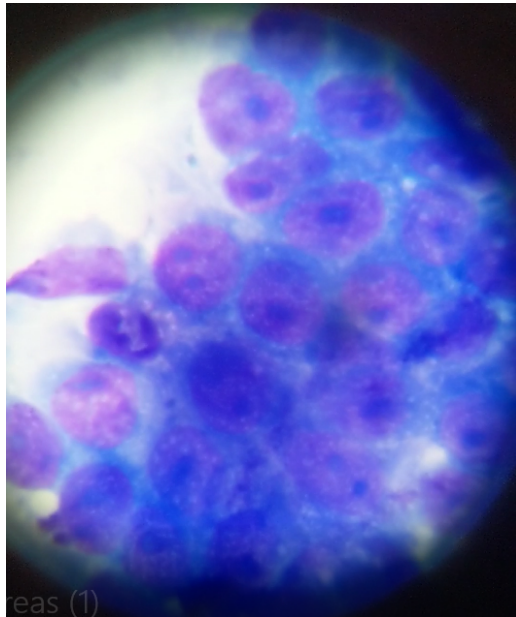
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PATIENT

Fuzz Miskimmin

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Image shows a group of representative cells collected from the pancreatic mass in Fuzz. Note the prominent variable nucleoli and 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.

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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