



DATE PRESENTING CLINICAL SIGNS

2/28/2022

Patient not doing well, confirmed hemoabdomen. U/S Findings: The liver in this patient was riddled with multiple disruptive mixed hypoechoic, moderately complex nodules coalescing into masses, occupying the right and left liver. The gallbladder was unremarkable. Some nodular changes were noted in the pancreas and may be related to primary disease. Prognosis is poor. FNA of the liver masses could be considered for further definition. However, given the extent of the pathology, humane euthanasia should be considered in this patient.

INTERPRETED BY

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

CYTOLOGY SUBMISSION

Liver

PATIENT

Sig McCluskey

OBSERVATIONS

Liver: Submitted are 6 excellent videos of cells collected from the liver in Sig. There is a mixed cellular collection through many of the videos. Several of the videos demonstrate large numbers of macrophages interspersed with neutrophils and degenerate debris. The macrophages are phagocytosing irregular material. And scattered macrophages that are structures suggestive of fungal organisms. The reaction is pyogranulomatous over many of these videos. In other videos there are large numbers of cells with anisocytosis and anisokaryosis. Those cells are forming festoons or rosettes suggesting epithelial cells. They are clumped. Occasional nuclei are quite large with prominent nucleoli. Many of these cells demonstrate atypical epithelial cell growth.

SPECIES

Canine

BREED

Flat Coated Retriever

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Liver - Pyogranulomatous inflammation with irregular aggregates of epithelial cells demonstrating carcinoma characteristics.

SEX

Male Intact

COMMENTS

The pyogranulomatous inflammatory response is present in several of the videos but there are other videos demonstrating epithelial cells supporting carcinoma. The carcinoma could be metastatic from the pancreas such as pancreatic acinar carcinoma or it could be a bile duct carcinoma. There are adequate numbers of these cells in several videos to strongly suggest that there is a carcinoma in the liver in Sig. Confirmation will require exploratory surgical intervention and biopsy. This may or may not be required for treatment in Sig. An unfavorable prognosis is warranted.

AGE

3y9mo

WEIGHT

81lbs

HOSPITAL NAME

Animal Mansion
Veterinary Hospital

REFERRING VET

Dr. Parker

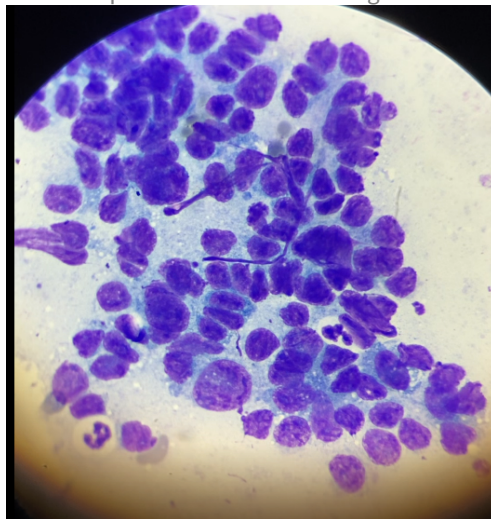


Image shows a field of cells collected from the liver in Sig suggesting carcinoma cells. Note the anisocytosis and anisokaryosis.

INVOICE NUMBER

679



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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.

INTERPRETED BY

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

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.

PATIENT

Sig McCluskey

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