



DATE PRESENTING CLINICAL SIGNS

10/27/21 Presented for weight loss. Lab work was normal
U/S of Abdomen (Pending Sonopath Review): Cavitating masses in liver. Larger cystic/cavitated mass in mid abdomen but I can't tell if liver or spleen in origin.

INTERPRETED BY CYTOLOGY SUBMISSION

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

OBSERVATIONS

Liver mass: Submitted are 6 good to excellent videos of collections of cells from the liver in Poop. These collected cells are not hepatocytes. I was unable to identify any hepatocytes in the collection. There are large numbers of rounded to slightly elongated or polyhedral cells. These cells did not demonstrate nucleoli and appear to be euchromatic in their nuclei. Some of the cells have bluish gray cytoplasm. Other cells had slightly eosinophilic cytoplasm. They did not appear to be derived from hepatic tissue.

PATIENT

Poop Coxsan

SPECIES INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Canine Liver mass - Large numbers of irregular cells suggesting neuroendocrine or possibly pancreatic carcinoma cells.

BREED

Shih Tzu X

COMMENTS

The cellularity in this collection suggests some type of metastatic process. I'm concerned about the possibility of a neuroendocrine tumor including the possibility of an islet cell carcinoma. It could also be a metastatic pancreatic acinar carcinoma. In either instance this appears to be tissue cells not derived from the liver. They are more likely metastatic to this location. A follow-up biopsy or surgical intervention may be required to confirm the diagnosis. With the appearance of these cells, an unfavorable prognosis is warranted in my opinion. Some of the cells even have some type of the lymphoid pattern. I was not impressed that they were lymphoma cells but they may be.

SEX

Male Neutered

AGE

14y

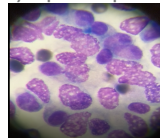


Image shows representative cells collected from the liver in Poop. There is prominent anisocytosis and anisokaryosis.

WEIGHT

14 lbs

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.

HOSPITAL NAME

Franklin Animal Clinic

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.

REFERRING VET

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