



**DATE PRESENTING CLINICAL SIGNS**

8/10/21 PU/PD, skin issues. US showed intestinal mass and cystic liver mass. FNAs performed of each. WBC elevated 20,910

**INTERPRETED BY CYTOLOGY SUBMISSION**

FNA of Intestinal Mass & Liver

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

**OBSERVATIONS**

Intestinal mass: Submitted are 9 excellent videos of moderate collections of cells from the intestinal mass in Elliott. The cellularity is mixed through all of the videos. There are aggregates of neutrophils interspersed with macrophages and scattered lymphocytes. There is degenerate debris and there are some structures that suggest the possibility of fungal hyphae. I could not confirm that observation, but there is definitely necrosis with irregular structures. There is no suggestion of malignancy. Liver: Submitted are 7 excellent videos of cells collected from the liver in Elliott. A good number of these cells are hepatocytes. Many of the hepatocytes are within normal limits. There are good collections of hepatocytes that are vacuolated. These vacuolated hepatocytes are irregular in size and shape. There are other aggregates of hepatocytes that appear to be associated with connective tissue stroma and slight irregularity to suggest nodular hyperplasia. I was unable to identify any evidence of neoplasia in the hepatic tissue. The surrounding tissue includes neutrophils associated with these cells.

**PATIENT**

Elliot Gaudio

**SPECIES**

Canine

**BREED**

Boston Terrier

**SEX**

Male Neutered

**AGE**

14 years

**WEIGHT**

27.2#

**HOSPITAL NAME**

Newton VH

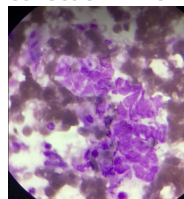


Image showing amorphous material and possible fungal hyphae collected from the intestinal mass in Elliott. The inflammatory reaction is not well represented.

**REFERRING VET**

Dr. Kim

**INVOICE NUMBER**

70391

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Intestinal mass - Pyogranulomatous inflammation with necrosis and possible fungal hyphae. Liver - Focal hepatocellular vacuolization with nodular hyperplasia and mild suppurative inflammation.

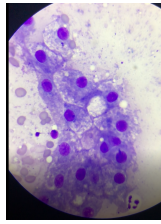
**COMMENTS**

The changes in this tissue suggest the likelihood of a chronic inflammatory process in the intestinal mass. This could be some type of process such as pythiosis or it could be due to other types of chronic inflammation. I was unable to confirm the presence of fungal hyphae but they are suggested as you will note in the photo. Aspergillosis could be considered as well, in particular sense there are lesions in the skin too. Follow-up biopsies of these inflammatory masses may be required to confirm the specific source. The liver changes appear to be due to secondary changes such as endotoxins or some other non-specific change. There is no suggestion of malignancy in the intestinal tissue but there is certainly evidence of some type of chronic inflammation of a nonspecific nature with this collection which may in fact be fungal in nature.



**DATE**

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Image shows vacuolated hepatocytes collected from Elliot. There are also some neutrophils present.

**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.**

**PATIENT**

Elliot Gaudio

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.

**SPECIES**

Canine

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

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