



DATE PRESENTING CLINICAL SIGNS

10/26/21

Presented ADR on 10/21/21 for vomiting and decreased appetite. Has been vomiting several times a week for 4-5 months. Originally came from N. Carolina at 2 months old.
PE: BAR, happy, mildly distended abdomen.

INTERPRETED BY

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

AUS: multifocal, variable sized, hypoechoic nodules throughout the liver. ++ free fluid in abdomen, and bright mesentery.
ALP 463, ALT 1,121, GGT 20, T. Bili 0.9, Bile Acids 50.
Abd tap: red, slt cloudy fluid.

CYTOLOGY SUBMISSION

FNA of Liver & Cytospin Effusion

PATIENT

Thor Sandler

OBSERVATIONS

Abdominal fluid: Submitted are several excellent videos of cells collected from the abdominal fluid with cytospin concentration collected from Thor. Large numbers of neutrophils are interspersed with scattered aggregates of mesothelial cells, some of which are packeted with pseudopodia. There are scattered round cells throughout this fluid. Some of the cells have pleomorphic nuclei. Degenerate debris is occurring secondarily. Some of the round cells with pleomorphic nuclei have prominent nucleoli. The nuclei are 2 to 4 times the size of red blood cells.

SPECIES

Canine

Liver: Submitted are large numbers of excellent videos from cells collected from the liver in Thor.

BREED

Lab mix

Several of the videos demonstrate massive numbers of round cells. The round cells have nuclei that are 2 to 6 times the size of red blood cells. Nucleoli are prominent in the nuclei. Mitotic figures are readily identified. The bluish gray cytoplasm is minimal around some of the cells and moderate in others. There are rare hepatocytes in some of the smears but they are also associated with increased numbers of these irregular round cells.

SEX

Male

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Abdominal fluid - Chronic suppurative inflammation with reactive mesothelial cells and round cells suggesting lymphoma
Liver - Massive numbers of lymphoid cells that are atypical consistent with high grade lymphoma.

AGE

1year

COMMENTS

The changes in the liver support a definite high-grade lymphoma particularly where there are massive numbers of lymphoid cells. These cells are irregular and atypical with prominent mitotic figures. Very similar cells are identified in the abdominal fluid. There appears to be some secondary inflammation in the abdominal fluid. In Thor, there is definite evidence of high-grade lymphoma with large numbers of atypical cells. If chemotherapy is contemplated, immunophenotyping of the cells in this collection may be beneficial to identify cell type. This information may contribute to the prognosis. These slides may be submitted for PARR testing or biopsy and immunohistochemistry staining can be undertaken. Re-collection for flow cytometry evaluation will be required if that testing is desired. You may wish to contact the laboratory to confirm the sample required for flow cytometry. An unfavorable prognosis is expected but Thor may respond to some chemotherapy for a period of time. Other tissues could be involved in this lymphoma process. An unfavorable prognosis is warranted in my opinion.

WEIGHT

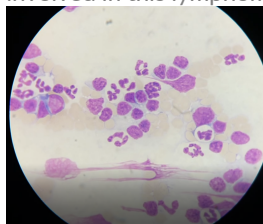
50lb

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Drummond



INVOICE NUMBER

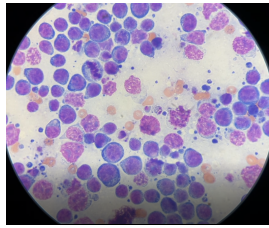
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Image shows a representative collection of cells from the cytospin collection from Thor. Note the large irregular lymphocytes with prominent nucleoli.



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Image shows large numbers of large atypical lymphoid cells with irregular nuclei and a mitotic figure. Some degenerate cells are present.

PATIENT

Thor Sandler

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.

SPECIES

Canine

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.

BREED

Lab mix

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SEX

Male

AGE

1year

WEIGHT

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