



PATIENT

Finley Herdade

SPECIES

Canine

BREED

Rhodesian Ridgeback
Mix

SEX

Spayed female

AGE

13 years

WEIGHT

55 lbs

INTERPRETED BY

Dr. Lawrence McGill,
DVM,Ph.D.,Diplomate,
ACVP

IMAGING PERFORMED BY

Karen Ebersole DVM
DABVP

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Jenna Lane

INVOICE

70181

DATE

1/15/26

PRESENTING CLINICAL SIGNS

History: Recent chronic UTI and early CKD. ADR, licking surfaces obsessively and hyporexia. Spleen FNA and Thoracic mass FNA

Abnormal PE/Chem/CBC/UA Results: AUS: Splenomegaly with diffuse irregular micronodular pattern. Adjacent inflammation and lymphadenopathy. CKD changes in kidneys (mild to mod). Chronic cystitis pattern in bladder, mild. *Possible irregular mass noted on transdiaphragmatic views - CXR showed large, irregular mass in right side of thorax with possible enlarged LN as well.

CYTOLOGY SUBMISSION

FNA of the thoracic mass and spleen were submitted

OBSERVATIONS

Thoracic mass: Submitted are 4 excellent videos of excellent collections of cells from the thoracic mass in Finley. The majority of the cells are packets of epithelial cells that are aggregated and growing in irregular patterns. They are interspersed with macrophages with a foamy cytoplasm and neutrophils. The epithelial cell aggregates are the most numerous throughout the collection. They are pleomorphic and irregular and some of them have minimal cytoplasm. These are definitely malignant proliferative epithelial cells but I'm not certain as to the source.

Spleen: Submitted are 7 excellent videos of excellent collections of cells from the spleen in Finley. There is excellent nucleated cellularity throughout these videos. The majority of the cells are round cells. The round cells are pleomorphic with large numbers of large round cells with nuclei that are 2 to 3 times the size of red blood cells. Mitotic figures are readily identified in this group of cells. Interspersed throughout the round cells are scattered neutrophils and macrophages. Nucleated RBCs were few but they are present. There are very few small mature lymphocytes and most are quite large and irregular.

INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

Thoracic mass - Carcinoma with secondary pyogranulomatous inflammation.

Spleen - Characteristic of high-grade lymphoma.

COMMENTS

The carcinoma in the thoracic cavity may be derived from many different sources. This could be neuroendocrine or could be other epithelial sources such as gastric carcinoma. It could be from other locations. This is definitely an aggressive carcinoma in this cellularity.

The cellularity in the spleen is very characteristic of a high-grade lymphoma. There are large numbers of mitotic figures throughout the fields you submitted. The lymphoid cells are large and irregular. I am attaching a picture that has three mitotic figures in it and there aren't many cells. Thus there are two types of neoplasia in Finley. The splenic tissue is adequate on the slides to send the slides out for PARR testing if desired. If chemotherapy is contemplated, then immunophenotyping of the cells to confirm the specific cell type may be beneficial for prognosis. The slides may be submitted for PARR testing or new slides that are not stained can be submitted for immunocytochemistry staining. Flow cytometry can be



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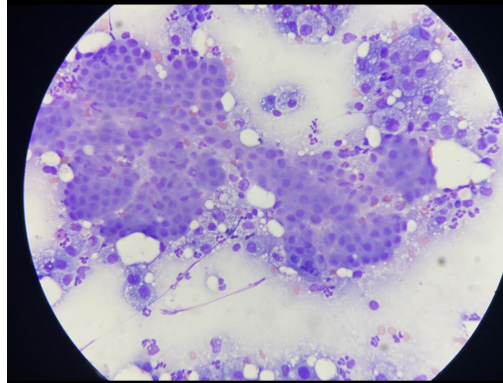
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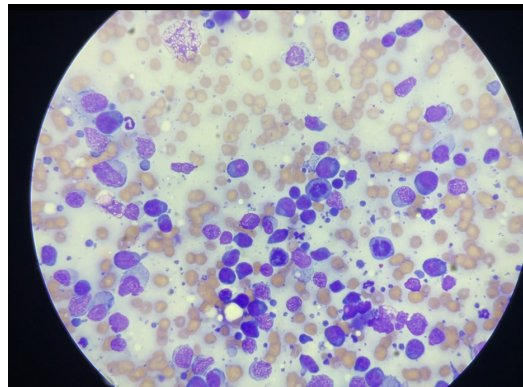
1/15/26

beneficial but will require a repeat collection of cells prior to submission to the laboratory. Contacting the laboratory to confirm how to submit flow cytometry samples is encouraged. Due to the presence of two types of malignant processes in Finley, an unfavorable prognosis is warranted in my opinion.

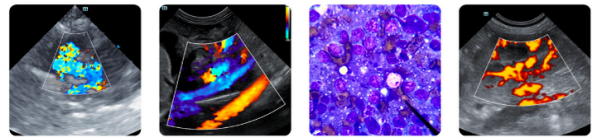
CYTOLOGY IMAGE



This is an image of carcinoma cells surrounded by foamy macrophages and neutrophils from the thoracic mass in Finley. Could the foamy cells be part of the tumor process?



This is an image of cells collected from the spleen in Finley. This field has three mitotic figures with very few cells.



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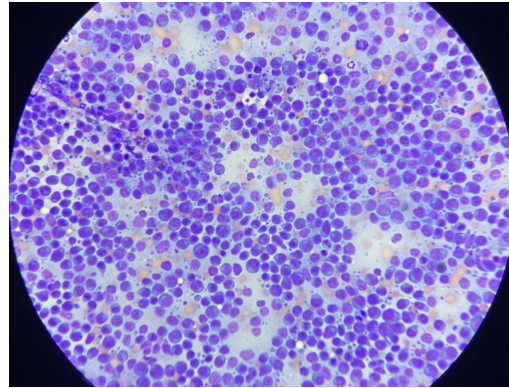
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This is an image demonstrating large numbers of large irregular lymphoid cells collected from the spleen in Finley. There are mitotic figures in this field with large numbers of large lymphoid cells.

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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.

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

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