



DATE PRESENTING CLINICAL SIGNS

4/30/22

Consistently elevated bilirubinuria. US showed splenomegaly with subtle micronodular changes; liver unremarkable but FNA recommended due to bilirubinuria. FNA performed 25g liver and spleen

INTERPRETED BY CYTOLOGY SUBMISSION

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

Liver; spleen

PATIENT

Maisy Caldwell

OBSERVATIONS

Liver: Submitted are 5 excellent videos of moderate to excellent collections of cells from the liver in Maisy. The majority of the fields have hepatocytes. The hepatocytes demonstrate vacuolization and granularity. There are some areas where there appears to be some bile retention but it is minimal. There are no criteria of malignancy in the hepatocytes. The surrounding red blood cells contain a few inflammatory cells but they are not very numerous.

Spleen: Submitted are 6 excellent videos of moderate to excellent collections of cells from the spleen in Maisy. The cellularity is mixed. There are some fields that include good numbers of lymphocytes but there are other fields that have macrophages and connective tissue. Scattered neutrophils and nucleated RBCs are identified. Eosinophils are visualized. Malignant criteria are not identified. There are macrophages with hemosiderin in some of the aggregates of cells.

SPECIES

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

BREED

Pit Mix

Liver - Mild hepatocellular vacuolization and granularity with mild bile retention and minimal inflammation.

Spleen - Changes suggestive of fibrohistiocytic nodules with hemosiderosis and mixed cell collection.

COMMENTS

SEX

Female Spayed

The changes in these two organs do not suggest any specific diagnosis. There are changes of mild swelling and inflammation in the liver. This could be secondary to metabolic liver disease or even secondary to inflammation in the pancreas or intestine. With increased bilirubin, this causes concern about the potential of swelling around the bile duct and possible pancreatitis. There is no suggestion of malignancy or sepsis in either organ. The splenic changes support fibrohistiocytic nodules and probably lymphoid hyperplasia but no other specific change. Continued monitoring of other organs is encouraged to hopefully identify a cause for secondary changes in the liver and spleen in Maisy.

AGE

8y

WEIGHT

54lbs

HOSPITAL NAME

Rockaway Animal
Hospital

REFERRING VET

Dr. Maniar

INVOICE NUMBER

726



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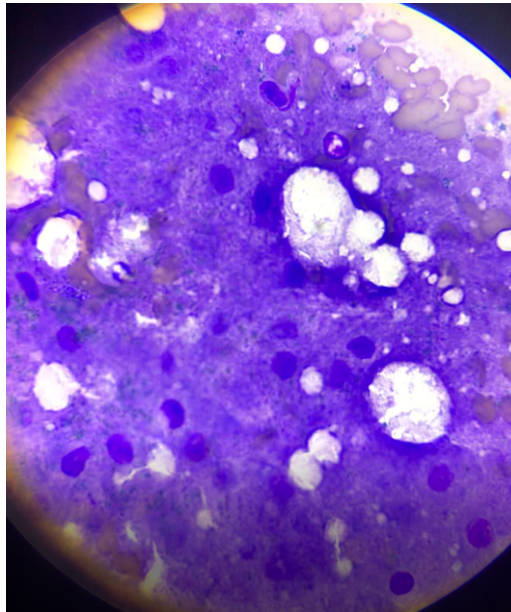


Image shows hepatocytes with vacuolization and probable lipidosis. There is no suggestion of inflammation or neoplasia in this group of cells.

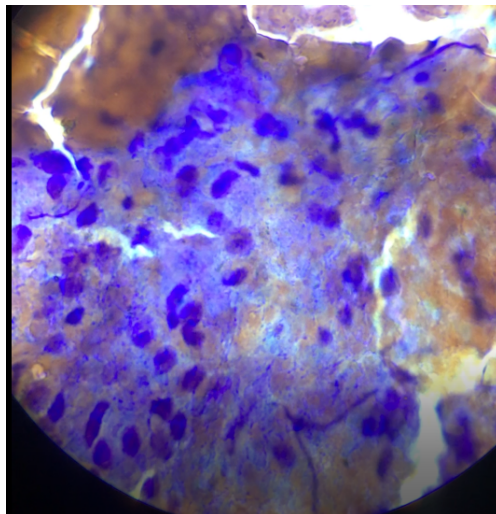


Image shows some aggregates of cells which are likely macrophages with some lymphocytes. This collection suggests a fibrohistiocytic nodule. Malignancy is not suggested.

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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.

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.

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

4/30/22
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L.D. McGill, DVM,
Ph.D., DACVP

PATIENT

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BREED

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