



DATE PRESENTING CLINICAL SIGNS

10/21/22

Presented for annual exam, and having lost >4lbs. Eating well, social and active. Hyperthyroidism found on BW, but also very elevated LE. Just started Methimazole, Clavamox and Zenequin. PE: BCS 3/9 with muscle wasting.

BW: T-4 6.4, Albumin 2.4, ALT 570, ALP 248, AST 115, GGT 9, T. Bili 1.0.

INTERPRETED BY

AUS: splenomegaly with scalloped borders, mild hepatomegaly, scattered rounded, hypoechoic mesenteric/splenic lymph nodes.

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

PATIENT CYTOLOGY SUBMISSION

FNA of Liver & Spleen

Emma Cleaves

OBSERVATIONS

SPECIES

Liver: Submitted are several excellent videos of moderate to excellent collections of cells from the liver in Emma. The hepatocytes in general are within normal limits with slight vacuolization. This vacuolization is irregular. Surrounding the hepatocytes are red blood cells interspersed with scattered lymphocytes and neutrophils. Malignant characteristics are not identified in any of the cells.

Feline

Spleen: Submitted are several excellent videos of moderate collections of cells from the spleen in Emma. The cellularity is mixed with neutrophils, lymphocytes and nucleated red blood cells. There are some fields that have increased numbers of mast cells. They are more prominent in some of the fields in one of the videos. There is no evidence of neoplasia in the lymphoid cells or other cells.

BREED

DSH

SEX

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FS

Liver - Hepatocellular vacuolization suggesting early feline fatty liver change with mild chronic inflammation.

Spleen - Mild chronic splenitis with one video suggesting increased numbers of mast cells.

AGE

11 yr 9 mo.

COMMENTS

WEIGHT

The cellularity in this collection is characteristic of an inflammatory process leaking to the liver and spleen. I am always concerned about pancreatitis in this type of situation. I cannot confirm malignancy in any of the videos except for the potential of mast cell proliferation in the spleen. I would assume that this would be associated with mast cell neoplasia in some other organ in the abdominal cavity.

5.8 lbs

There were degranulated mast cells and well granulated mast cells in the spleen. Those cells were not present in the liver. Continued evaluation for problems in other organs with respect to inflammation or the potential presence of a mast cell tumor in the intestine or other locations in the abdominal cavity is encouraged. A guarded prognosis is warranted since the underlying process has not been identified. An exploratory and splenectomy should be considered.

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Landry

INVOICE NUMBER

40632



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INTERPRETED BY

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PATIENT

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SPECIES

Feline

BREED

DSH

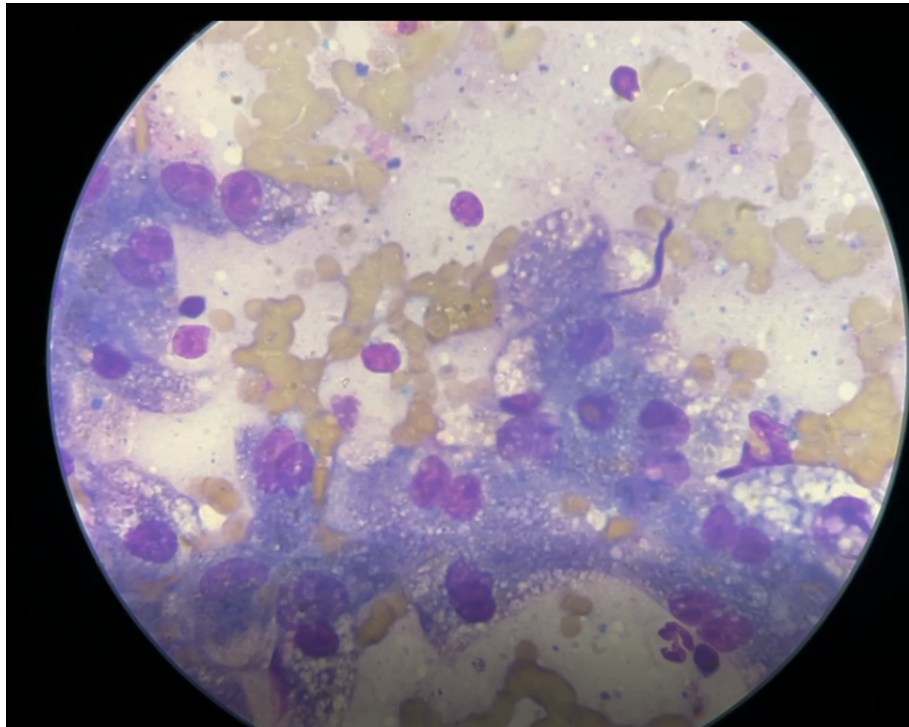


Image shows a field of hepatocytes with vacuolization and scattered inflammatory cells in the liver aspirate from Emma. There are lymphocytes and at least 1 neutrophil associated with these hepatocytes.

SEX

FS

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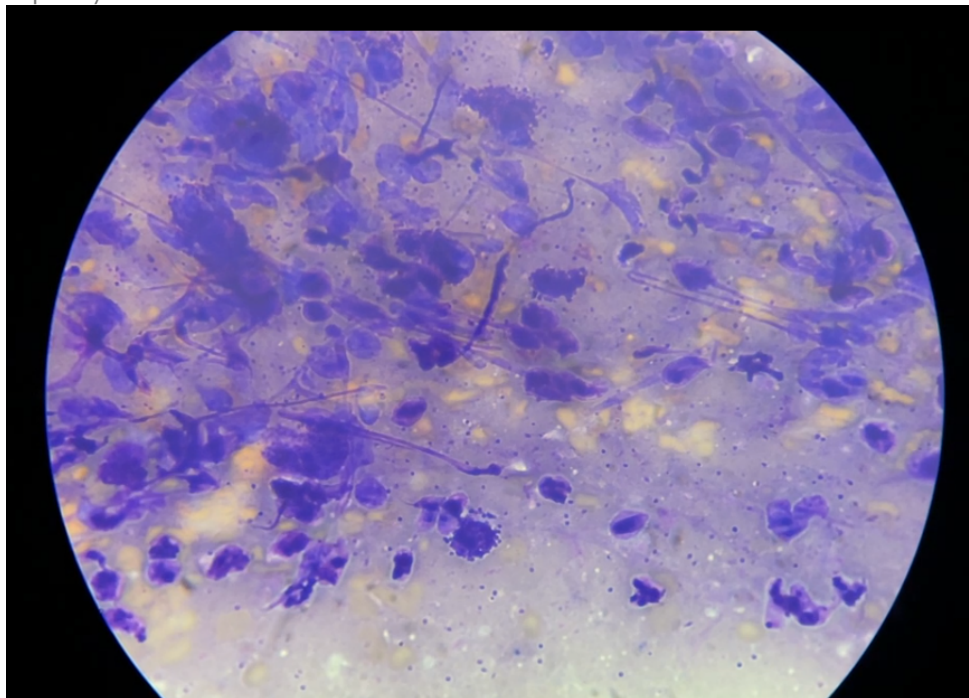


Image of cells collected from the spleen in Emma. There are several mast cells in this image and apparent free granules from mast cells.

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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.

INTERPRETED BY

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

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.

PATIENT

Emma Cleaves

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SPECIES

Feline

BREED

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FS

AGE

11 yr 9 mo.

WEIGHT

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