

DATE PRESENTING CLINICAL SIGNS

8/15/23

Hx FeLV +, recently lethargic, decreased appetite. Rads: ascites on abd. rads., thorax clear. Tapped yellow fluid in abd. Current Meds: Convenia.

INTERPRETED BY

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

CYTOLOGY SUBMISSION

U/S guided FNAs of liver, lymph node, spleen, and cytospin of ascites.

PATIENT

"Mayhem" O'Connell

OBSERVATIONS

Ascites: Submitted are 4 excellent videos of moderate to marked collections of cells from the ascites fluid in Mayhem. In some of the videos, the cells are extremely dense and uninterpretable. There are at least two videos that have good collections of cells that are interpretable. They include large numbers of neutrophils with scattered reactive mesothelial cells or macrophages. The neutrophils appear to be non-degenerate throughout the collection where they are observed. I was unable to identify bacteria. Malignant characteristics are not identified.

SPECIES

Feline

Liver: Submitted are 4 excellent videos of minimal collections of hepatocytes. I was only able to identify hepatocytes in one of the videos. All of the other videos consist of erythrocytes with large numbers of neutrophils interspersed with occasional macrophages. There are no suggestions of malignancy. The neutrophils appear to be non-degenerate. Where hepatocytes were identified, they are extremely vacuolated supporting lipidosis.

BREED

DSH

Lymph node: Submitted are 6 excellent videos of minimal numbers of cells collected from the lymph node in Mayhem. The cellularity is almost entirely neutrophils that appear to be non-degenerate. There are very rare lymphoid cells and there is some protein. There are no malignant changes in this collection but there is inflammation.

SEX

Neutered male

Spleen: Submitted is one excellent video of minimal numbers of cells collected from the spleen. The cellularity consists of neutrophils with scattered mononuclear cells and rare mast cells. The neutrophils appear to be non-degenerate.

AGE

4-year-old

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ascites - Severe suppurative to pyogranulomatous inflammation with no suggestion of malignancy.
Liver - Consistent with hepatic lipidosis (feline fatty liver syndrome) and chronic suppurative hepatitis.

WEIGHT

10.8 lbs

Lymph node - Severe suppurative inflammation.

Spleen - Severe suppurative inflammation with possible pyogranulomatous inflammation.

COMMENTS

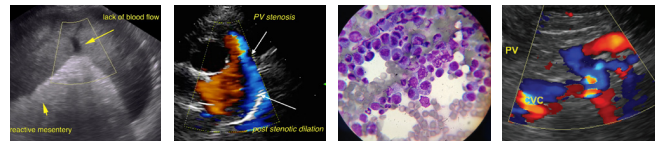
HOSPITAL NAME

Animal Care Center
Falnders

The changes in these collections are most consistent with a rather severe inflammatory process. With the non-degenerate neutrophils and scattered macrophages, FIP appears to be a very likely diagnosis. Another possibility is severe necrotizing and suppurative pancreatitis affecting all of these organs. There is no suggestion of neoplasia in any of these collections. The top of my differential list is FIP. Further evaluation for feline coronavirus is encouraged. The next possibility is an extremely severe inflammatory pancreatitis which could cause the liver changes and the inflammatory changes in all of the organs that have been collected. An unfavorable prognosis is warranted due to the severity of this inflammation.

REFERRING VET

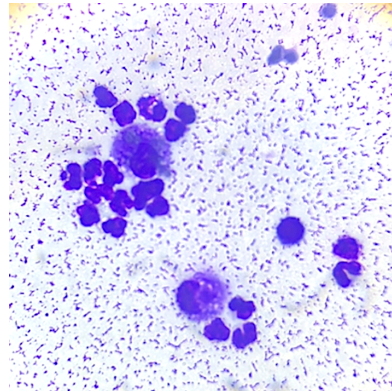
Dr. Chris Hallihan



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Image below shows neutrophils interspersed with reactive macrophages collected from the ascites fluid in Mayhem. The background is protein or stain precipitate.



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SPECIES

Feline

Image below shows hepatocytes with marked vacuolization that appears to be lipid. There was inflammation in other locations.

BREED

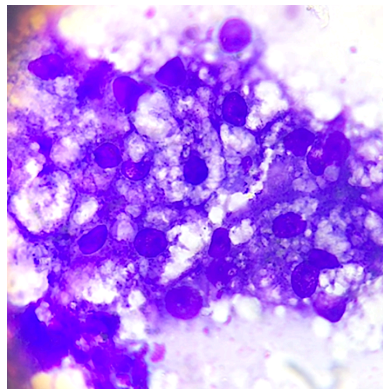
DSH

SEX

Neutered male

AGE

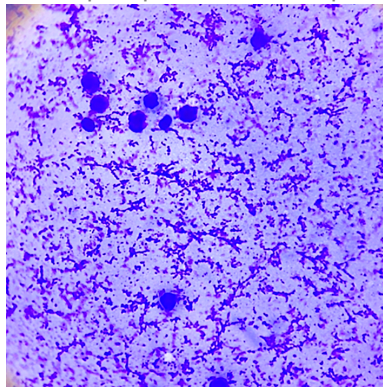
4-year-old



WEIGHT

10.8 lbs

Image below shows a few of the neutrophils and cells collected from the lymph node collection. There is a massive background of stain precipitate with some protein.

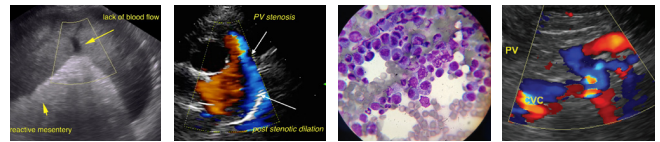


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SPECIES

Feline

BREED

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SEX

Neutered male

AGE

4-year-old

WEIGHT

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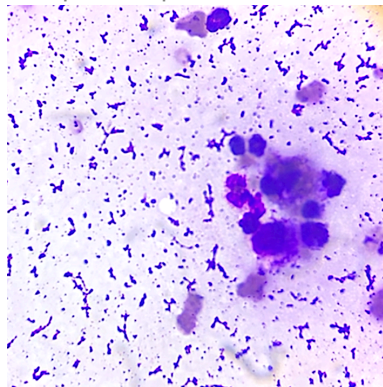
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Image below shows some of the cells collected from the spleen in Mayhem with a background of protein and stain precipitate. Neutrophils are prominent.



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.

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

8288 Top of the World Drive
Cottonwood Heights, UT 84121
ldmcgill.vetpath@gmail.com
cell: 801-865-1220