



## PATIENT

Lucy Brew

## SPECIES

Feline

## BREED

Domestic Shorthair

## SEX

Spayed female

## AGE

14 years

## WEIGHT

10 lbs

## INTERPRETED BY

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

## IMAGING PERFORMED BY

Nick Pizzemento

## HOSPITAL NAME

Central VH

## REFERRING VET

Dr. Anna St Sir

## INVOICE

72119

## DATE

3/2/26

## PRESENTING CLINICAL SIGNS

- progressive weight loss over past month, recently - dull mentation, sporadic anisocoria (had MRI and CSF tests - NSF). On abdominal U/S today - significant hydronephrosis and loss of cortico-medullary differentiation left kidney (was normal month ago), no obstruction of left ureter seen. Right kidney - NSF.
- has soft subcutaneous tissue mass right inguinal region, believed to be herniated mesenteric fat. FNA was taken to be sure.

## CYTOLOGY SUBMISSION

FNA of the kidney and hernia were submitted

## OBSERVATIONS

Kidney: Submitted are 8 excellent videos of very good collections of cells from the kidney in Lucy. The cellularity is mixed. There are scattered epithelial cells from tubules and good collections of macrophages with foamy cytoplasm interspersed with neutrophils. There are scattered lymphoid cells but they are not the most numerous. The most numerous are macrophages and neutrophils supporting a chronic inflammatory process in the kidney.

Hernia: Submitted are 5 very good images of cells collected from the hernia location on Lucy. The cellularity consists of large numbers of round cells that have the appearance of histiocytic cells or macrophages. These cells could also be mesothelial cells. There are aggregates of these cells in each of the images suggesting chronic irritation. I was unable to identify fat tissue.

## INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

Kidney - Pyogranulomatous inflammation with no evidence of malignancy.

Hernia - Histiocytic response suggesting macrophages or possible mesothelial cell hyperplasia.

## COMMENTS

The cellularity in the kidney supports chronic inflammation. This type of inflammation could be secondary to ascending inflammation up the urinary tract into the kidney or a possibility of FIP. Both of these processes will result in a chronic inflammatory process and can affect the kidney. Further evaluation for the potential of feline coronavirus infection is encouraged. This disease process can certainly occur in older cats. This would be one of the top differentials in my opinion from this collection of chronic inflammatory cells.

The hernia collection could be the result of chronic irritation and easily could be the result of hernia of omental tissue with markedly reactive mesothelial cells or macrophages. There is no suggestion of malignancy in either of the sites. A guarded prognosis is warranted since there are changes that support chronic inflammation. Identification of the source and treatment may be beneficial particularly since FIP therapy is available now.



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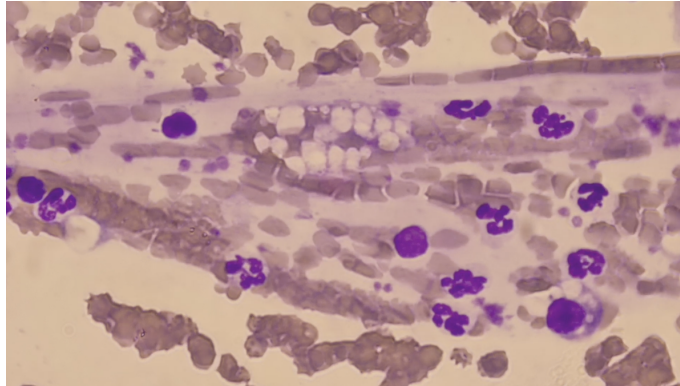
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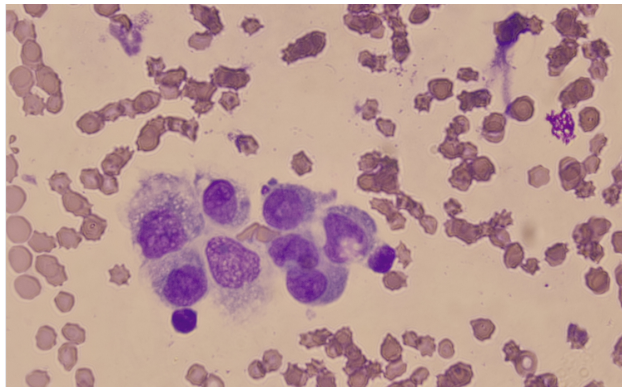
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## CYTOLOGY IMAGE



This is an image of cells collected from the kidney in Lucy. Note the good number of neutrophils with scattered macrophages, lipids and one or two lymphocytes.



This is an image of the cells collected from the site of the hernia in the inguinal region on Lucy. These cells are likely reactive mesothelial cells or macrophages which could occur secondarily to FIP or any type of abdominal inflammation

**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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