



**DATE PRESENTING CLINICAL SIGNS**

12/2/21

Apparently healthy cat except for weight loss over the past couple months.  
Hi Calcium of 12.2  
Chest Rads are clear.

**INTERPRETED BY CYTOLOGY SUBMISSION**

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

Kidney; spleen

**PATIENT**

Jinn Manno

**OBSERVATIONS**

Kidney: Submitted are 9 excellent videos of cells collected from the kidney in Jinn. There are good collections of tubular epithelium and other types of cells. There appears to be some fibrosis in the collection with scattered inflammatory cells. There were scattered lymphoid cells that appear to be large and slightly irregular but these were inadequate to suggest lymphoma. There is more of a suggestion of chronic inflammation.

Spleen: Submitted are 4 excellent videos of cells collected from the spleen in Jinn. There is excellent cellular collection of a rather uniform cellular process. These cells are almost all lymphocytes. Many of the lymphocytes are slightly irregular. Some have prominent nucleoli. Others are very large. There are other intermediate sized lymphoid cells. This cellularity is consistent with very minimal other cellularity. There are cells that suggest early mitotic figures.

**SPECIES**

Feline

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**BREED**

Kidney - Consistent with chronic nephritis with fibrosis and chronic inflammation and some possible atypical lymphoid cells.

**DSH**

Spleen - Large numbers of uniform lymphoid cells consistent with lymphoma.

**COMMENTS**

**SEX**  
Male Neutered

The major process is the lymphoma in the spleen. This could be splenic lymphoma or splenic and hepatic lymphoma. It may or may not involve the kidneys. There are some cells in the kidneys that suggest lymphoma but the renal changes are more consistent with those of chronic nephritis. I was impressed with the tubular cells observed in the videos. It is not common for aspirates to include large numbers of tubular cells from the kidney in the cat or dog. In the case of Jinn, it appears to have chronic nephritis and lymphoma in the spleen. Other tissues could be involved in lymphoma as well. Immunophenotyping of the lymphocytes could be undertaken with PCR tests on these smears but it is my understanding that this is not as beneficial for prognosis in the cat as in the dog. An unfavorable prognosis is warranted after observing the cells, in my opinion.

**AGE**

8y

**WEIGHT**

13.5 lbs

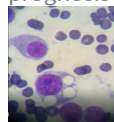


Image shows some of the atypical lymphoid cells from the kidney in Jinn. Note the prominent nucleoli.

**HOSPITAL NAME**

Franklin Animal Clinic

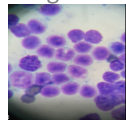


Image shows lymphoid cells collected from the spleen. These cells are large and have prominent nucleoli. On the left is a very early mitotic figure.

**REFERRING VET**

Dr. Doverspike

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.

**INVOICE NUMBER**

637



**DATE** 12/2/21 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.

**INTERPRETED BY** L.D. McGill, DVM, Ph.D., DACVP  
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Jinn Manno

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