



PATIENT

Marusia Olga

SPECIES

Feline

BREED

Mix

SEX

Female

AGE

2 years

WEIGHT

3 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Inam

HOSPITAL NAME

Pawsitive Veterinary
Clinic Dubai Silicon
Oasis

REFERRING VET

Dr. Inam

INVOICE

71447

DATE

2/10/26

PRESENTING CLINICAL SIGNS

- The patient presented for dental work up. Advanced periodontal disease was noticed on oral cavity examination along with left submandibular lymphadenopathy. Blood test showed A:G ratio of 0.2, which raised suspicion of FIP or a neoplasia. The patient tested negative on corona virus antibody test. Abdominal ultrasound showed highly nodular spleen with splenomegaly and mild lymphadenopathy. While scanning the abdomen, few B-lines were noticed in the lung field, which raised suspicion of pulmonary pathology. PLUS scan showed few nodules in both right and left hemithorax. Survey radiographs of the chest showed structured and non-structured interstitial pattern. Bronchoalveolar lavage was done and the sample was submitted for interpretation. Ultrasound-guided FNA of the spleen was also done and the sample was submitted for interpretation. FNA of the SMLNs was also done and submitted for interpretation
- Images have been named as spleen1,2, e.t.c for spleen, BAL1,2 e.t.c for BAL and SML1,2, e.t.c for the lymph node
- The patient is subclinical and there are no signs of respiratory disease or signs associated neoplasia

CYTOLOGY SUBMISSION

Bronchoalveolar lavage sample, FNA of the submandibular lymph and spleen were all submitted

OBSERVATIONS

Bronchoalveolar lavage: Submitted are 67 images of cells and material collected from the bronchoalveolar lavage from Marusia. The cellularity is mixed. There are some images that have blue stained vacuolated structures that are non-cellular. There is scattered debris in some images. The most common cellularity consisted of macrophages. Some of the macrophages contain hemosiderin. There were scattered eosinophils. Malignant characteristics or bacteria were not identified.

Submandibular lymph node: Submitted are 27 images of cells collected from the submandibular lymph node on Marusia. There are good collections of lymphoid cells but a large number of the cells are smudged and uninterpretable. The lymphoid cells are mainly small to intermediate sized lymphoid cells with rare reactive lymphoid cells and scattered macrophages. I did see one neutrophil. Malignant changes are not suggested in this collection.

Spleen: Submitted are 70 images of cells collected from the spleen in Marusia. Almost all of the images are demonstrating hemodiluted collections of cells from the spleen. The most common cell appears to be small to intermediate lymphoid cells. There is no suggestion of malignancy. There are some aggregates of cells that suggest stromal cells or histiocytic cells. These cells are elongated but not neoplastic. There are one or two neutrophils in the collection with scattered rare macrophages. Malignant characteristics are not present.

INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

Bronchoalveolar Lavage - Minimal cellularity with evidence of past hemorrhage and fluid buildup due to macrophages and rare lymphocytes with rare eosinophils.

Submandibular lymph node - Reactive lymph node with mild inflammation.



PATIENT

Marusia Olga

SPECIES

Feline

BREED

Mix

SEX

Female

AGE

2 years

WEIGHT

3 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Inam

HOSPITAL NAME

Pawsitive Veterinary
Clinic Dubai Silicon
Oasis

REFERRING VET

Dr. Inam

INVOICE

71447

DATE

2/10/26

Spleen - Hemodilution with evidence of lymphoid cellularity and histiocytic to stromal cellularity.

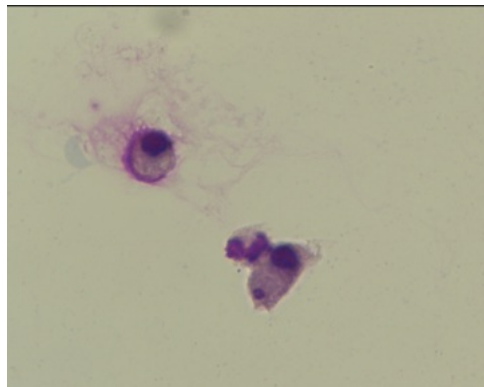
COMMENTS

The cellularity collected from the bronchoalveolar lavage suggests some type of mild chronic inflammation with evidence of hemorrhage and probable pulmonary edema. Eosinophils suggest the possibility of an allergic process however the number of eosinophils was not what I would expect for a primary allergic process. These changes could be secondary including the possibility of feline heartworm infestation or possible cardiac abnormalities. There is no suggestion of malignancy or infection.

The cellularity in the submandibular lymph node supports a reactive lymph node which could be from many different processes. There could be inflammation over the head or neck region to stimulate this lymph node to respond. There is no suggestion of malignancy in this collection.

The cellularity in the spleen supports an inflammatory process or reactive lymphoid tissue with no evidence of malignancy. This could occur in a case of FIP or other types of chronic inflammation. The specific source is not identified and thus a guarded prognosis is warranted since there are changes that support chronic inflammation. There is definitely something occurring in the lung tissue but it is likely secondary.

CYTOLOGY IMAGE



This is an image of some of the cells collected from the bronchial alveolar lavage from Marusia. These cells have the appearance of eosinophils with a possible macrophage in mucus in the upper level.



PATIENT

Marusia Olga

SPECIES

Feline

BREED

Mix

SEX

Female

AGE

2 years

WEIGHT

3 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Inam

HOSPITAL NAME

Pawsitive Veterinary
Clinic Dubai Silicon
Oasis

REFERRING VET

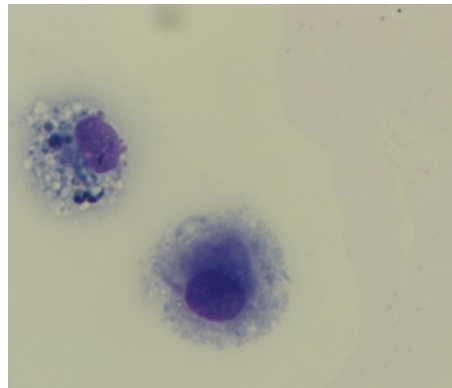
Dr. Inam

INVOICE

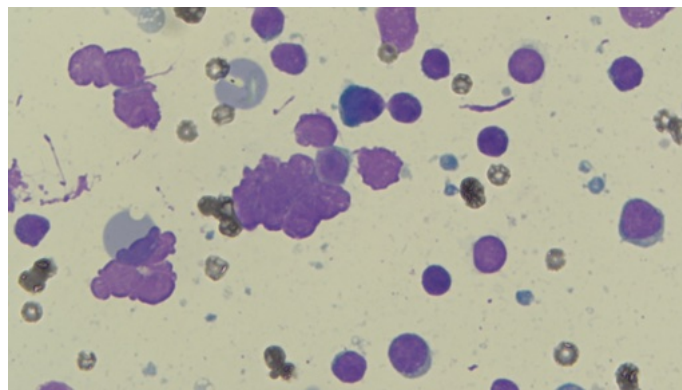
71447

DATE

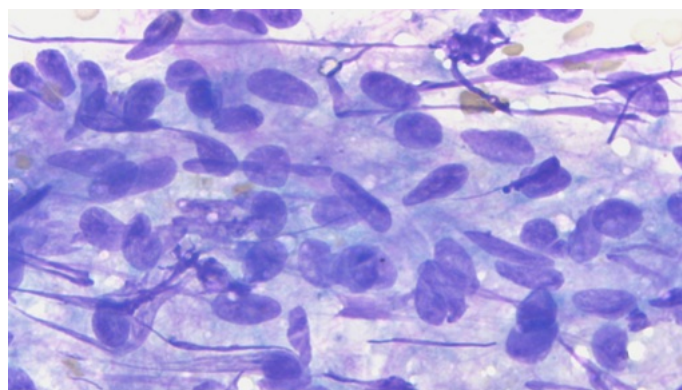
2/10/26



This is an image that demonstrates two macrophages collected from the BAL from Marusia. The upper macrophage contains some hemosiderin supporting bleeding into the bronchioles.



This is an image of a representative field of cells collected from the submandibular lymph node on Marusia. Many of the cells are smudged but those that are visible are small to intermediate lymphocytes with scattered red blood cells.





PATIENT

Marusia Olga

SPECIES

Feline

BREED

Mix

SEX

Female

AGE

2 years

WEIGHT

3 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Inam

HOSPITAL NAME

Pawsitive Veterinary
Clinic Dubai Silicon
Oasis

REFERRING VET

Dr. Inam

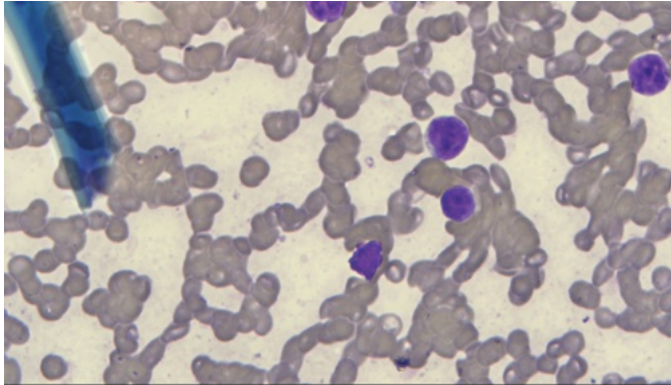
INVOICE

71447

DATE

2/10/26

This is an image of cells collected from the spleen which could be stromal cells or macrophages since they are irregular with some smudged nuclear debris scattered throughout. This is a collection from the spleen in Marusia.



This is an image of cells collected from the spleen in Marusia. Note the hemodilution with scattered lymphoid cells that are all small to intermediate. There is an artifact in the upper left.

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

8288 Top of the World Dr. Cottonwood Heights, UT 84121

Cell: 801-865-1220 Ldmcgill.vetpath@gmail.com