



DATE PRESENTING CLINICAL SIGNS

2/7/22

Recent weight loss, increased appetite, new heart murmur, discovered hyperthyroid today.
Recently developed PU/PD.
Abdominal mass palpated and ultrasound requested
-Basic metabolic profile today is normal.
-She is isosthenuric with USG 1.015.

INTERPRETED BY

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

CYTOLOGY SUBMISSION

FNA of Nodules and Spleen.

PATIENT

Opal Bechtol

OBSERVATIONS

Spleen: Submitted are 8 excellent videos of splenic cellular collections from Opal. The cellular collections consist of large numbers of lymphocytes with scattered atypical lymphocytes identified. There are dense collections of cells that are difficult to identify. The cells may be lymphocytes as well. There are many small lymphocytes throughout the collection. Those cells appear to be mature. Scattered inflammatory cells are identified.

SPECIES

Feline

Nodules: Submitted are 7 excellent videos of cells collected from the abdominal nodules in Opal. The cells are large round cells with clear to slightly granulated cytoplasm. The nuclei are round and dark stained. There are scattered eosinophils throughout the cellularity. This dense round cellularity is characteristic of intestinal mast cells in the cat. They are present in all of the videos.

BREED

DSH

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Spleen - Large numbers of lymphoid cells suggesting lymphoid hyperplasia or possible early small to intermediate cell lymphoma.
Nodules - Feline intestinal mast cell tumor

SEX

FS

COMMENTS

AGE

11.5yr

The cellularity in the nodules is diagnostic for the presence of feline mast cell disease in the abdominal cavity and likely in the intestine. All of the videos have those cells. This is a difficult neoplastic process to treat and thus an unfavorable prognosis is warranted with the observation of the cells. Other organs may be involved including the spleen and liver, but I was unable to confirm mast cells in the spleen.

WEIGHT

6.3 pounds

The changes in the spleen suggest an increased lymphocytic infiltration. This could be the result of small cell lymphoma or could be the result of early lymphoma. This may also be due to lymphocytic hyperplasia. There are some degenerate cells present. With mast cell disease, working up the lymphocytes in the spleen is probably not a good exercise. Again, an unfavorable prognosis is warranted in my opinion with the mast cell neoplasia.

HOSPITAL NAME

Pacific Crest Mobile Vet

REFERRING VET

Dr. MacInnes/MacInnes
Mobile

INVOICE NUMBER

70461



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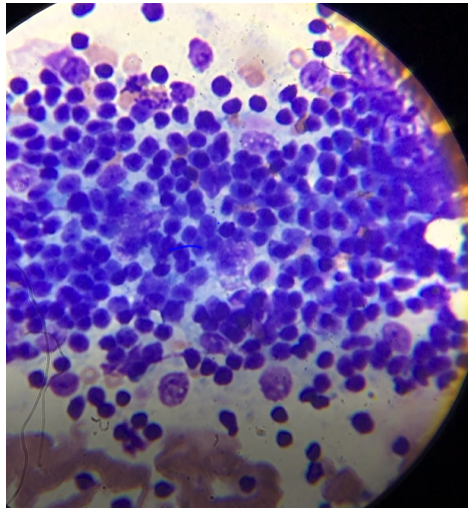


Image shows a representative group of lymphocytes collected from the spleen in Opal. Most are small.

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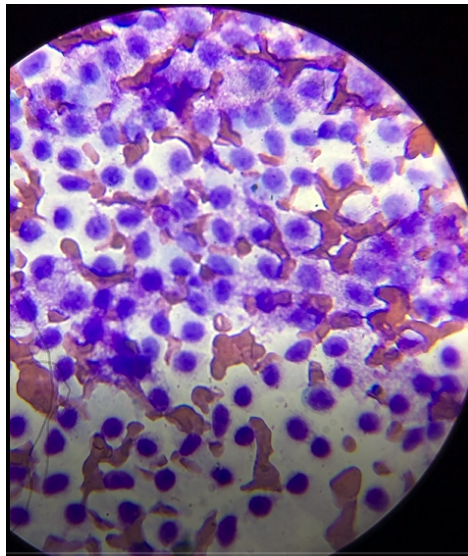


Image shows a group of intestinal mast cells with granularity from the collection in Opal. This is a good group of granulated cells.

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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.

REFERRING VET

Dr. MacInnes/MacInnes
Mobile

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.

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