



DATE PRESENTING CLINICAL SIGNS

5/10/22

Significant weight loss, went from 78 lbs to 53 lbs. Owner reports normal energy and activity, with no change in diet.

PE: BAR

BW: regenerative anemia, SDMA 15H, Alb 2.6, ALP 206, Amylase 1633.

INTERPRETED BY

AUS: severe splenomegaly with diffuse heterogenous changes.

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

CYTOLOGY SUBMISSION

FNA of Liver & Spleen

PATIENT

Sasha Hutchins

OBSERVATIONS

Liver: Submitted are several excellent videos of moderate collections of cells from the liver in Sasha. The hepatocytes demonstrate slight granularity and very minimal vacuolization. They are aggregated in irregular patterns. There are scattered inflammatory cells interspersed throughout the hepatocytes. No characteristics of malignancy are identified.

SPECIES

Canine

Spleen: Submitted are several excellent videos of excellent collections of cells from the spleen in Sasha. The cellularity is predominantly a proliferation of round cells. The round cells have minimal cytoplasm which is bluish gray and often eccentric. The nuclei in the majority of these round cells are 2 to 6 times the size of red blood cells. Many of these cells have large irregular nucleoli. Scattered mitotic figures are identified. There are scattered neutrophils and a very few small mature lymphocytes in the collection.

BREED

Samoyed

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

Liver - Hepatocellular granularity and mild vacuolization with mild inflammation.
Spleen - Consistent with high grade lymphoma.

FS

COMMENTS

AGE

7 years

The changes in the liver are likely secondary. I did not identify specific neoplastic cells in the liver, but they could be involved to a minor degree. The major changes are in the spleen. These changes are severe large cell lymphoid elements that are demonstrating atypia. With the large nucleoli and large nuclei and prominent mitotic figures, a high-grade lymphoma is very likely. This could be somewhat limited to the spleen but very likely there are other areas that are involved. Splenectomy in Sasha may be beneficial for prolonging life. If chemotherapy is contemplated, immunophenotyping of the cells in this collection may be beneficial to identify cell type. This information may contribute to the prognosis. These slides may be submitted for PARR testing or biopsy and immunohistochemistry staining can be undertaken. Re-collection for flow cytometry evaluation will be required if that testing is desired. You may wish to contact the laboratory to confirm the sample required for flow cytometry.

WEIGHT

53 lbs

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Kaltsas

INVOICE NUMBER

40520



DATE

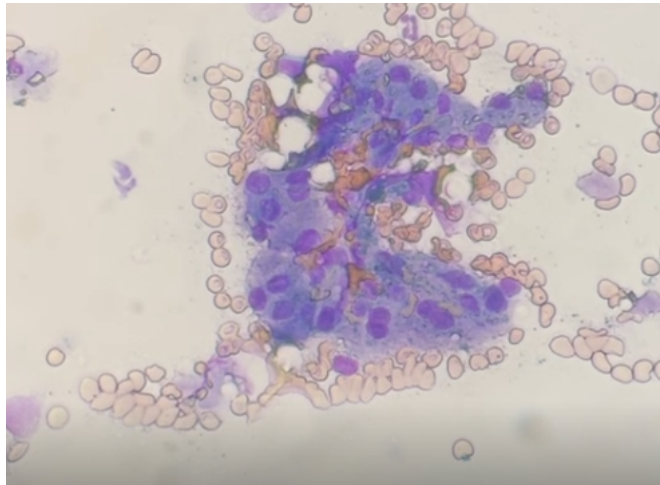
5/10/22

INTERPRETED BY

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

PATIENT

Sasha Hutchins



SPECIES

Canine

Image shows a representative group of hepatocytes with granularity and mild vacuolization. No other changes are noted.

BREED

Samoyed

SEX

FS

AGE

7 years

WEIGHT

53 lbs

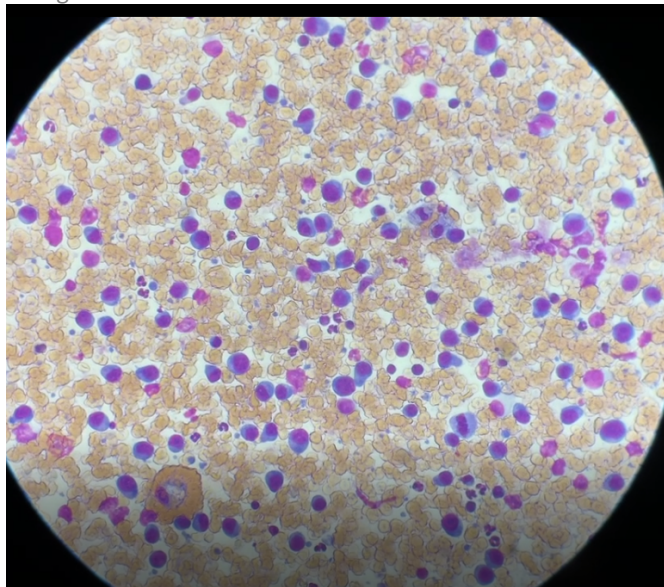


Image of cells collected from the spleen in Sasha. Note the prominent large lymphoid cells and at least 2 mitotic figures in this field. The atypical lymphoid cells are much larger than the neutrophils.

HOSPITAL NAME

Scanvet

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. Kaltsas

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

INVOICE NUMBER

40520



DATE

5/10/22

INTERPRETED BY

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

PATIENT

Sasha Hutchins

SPECIES

Canine

BREED

Samoyed

SEX

FS

AGE

7 years

WEIGHT

53 lbs

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Kaltsas

INVOICE NUMBER

40520