



DATE PRESENTING CLINICAL SIGNS

4/27/23

No concerns or clinical signs. Mildly elevated ALT in Jan 2022. The value has been slowly increasing.

PE: all WNL ALT (3/27/2023): 324, non-fasted sample. ALT (today, fasted): 164, rest of liver panel WNL.

INTERPRETED BY

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

AUS: moderate distention of GB with diffuse mucosal mineralized, polypoid changes in the GB wall, extending into cystic and CBD.

PATIENT CYTOLOGY SUBMISSION

Sarai Mychak

FNA of liver parenchyma.

SPECIES OBSERVATIONS

Canine

Liver: Submitted are 6 excellent videos of excellent collections of hepatocytes from the liver in Sarai. The hepatocytes demonstrate vacuolization and granularity with some areas of lipid accumulation in hepatocytes. Otherwise, the hepatocytes are relatively normal. In the surrounding red blood cells and fluid, there are scattered mixed inflammatory cells including neutrophils and lymphocytes. The lymphocytes are small mature lymphocytes. Malignant characteristics or sepsis are not identified.

BREED

German Shepherd

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

Liver - Diffuse hepatocellular vacuolization with focal lipodosis and very mild chronic inflammation

FS

AGE

10 years

COMMENTS
The cellularity supports relatively normal hepatocytes with secondary change of metabolic liver disease. These changes include vacuolization and a suggestion of lipodosis which could be due to steroid hepatopathy or other similar processes. Treatment with steroids could be a cause for that type of reaction. There is no suggestion of malignancy or sepsis in the collection. Very likely the changes in the liver are secondary changes to problems in other organs such as the gallbladder for pancreas or intestine. No other significant cellularity is identified. A guarded prognosis is warranted since the underlying process is not identified. There is a possibility that the liver enzymes may be increasing as a result of leaking cellular membrane in the hepatocytes. This can occur as a maturation process in hepatocytes.

WEIGHT

88 lbs

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Perkins

INVOICE NUMBER

40714



DATE

4/27/23

INTERPRETED BY

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

PATIENT

Sarai Mychak

SPECIES

Canine

BREED

German Shepherd

SEX

FS

AGE

10 years

WEIGHT

88 lbs

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Perkins

INVOICE NUMBER

40714

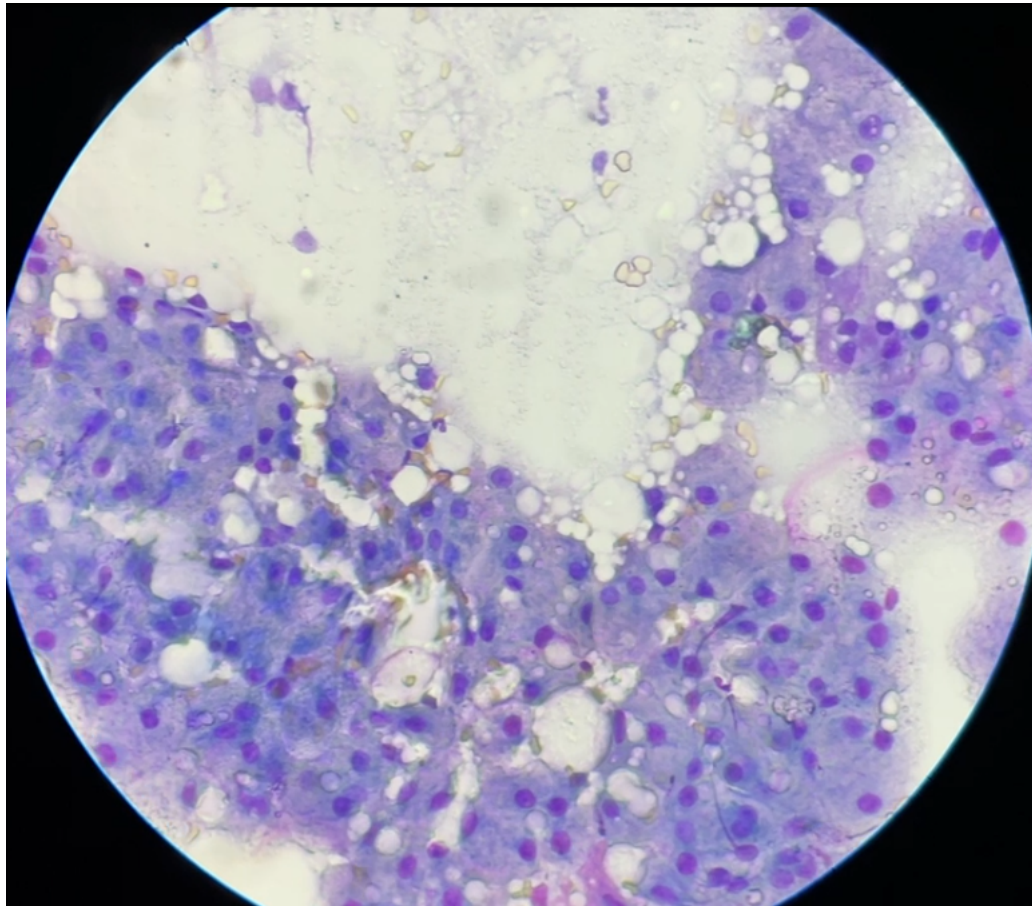


Image shows a group of hepatocytes with vacuolization and lipid vacuoles collected from Sarai. Inflammatory cells are mixed with neutrophils.

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.

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