



DATE PRESENTING CLINICAL SIGNS

6/16/22

P was vomiting and lethargic. Current meds: Provable, Omeprazole, Sucralfate. U/S findings: Liver is subjectively enlarged with rounded margins. Parenchyma is heterogenous characterized by multiple poorly defined hypoechoic nodules within otherwise hyperechoic liver parenchyma. Visible vasculature appears normal. A 2.0 x 3.0 cm slightly, hypoechoic heterogenous nodule/mass is present in the mid ventral liver.

INTERPRETED BY

ALP 309, Chol 318, Phos 5.7, K 3.7, CI 100, PLT 680

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

CYTOLOGY SUBMISSION

Liver

PATIENT OBSERVATIONS

Bella Kuzel

Liver: Submitted are 4 excellent videos of cells collected from the liver in Bella. The cellularity in the majority of the videos consists of hepatocytes, many of which are vacuolated or slightly granulated. Some of the vacuoles are large lipid vacuoles. These vacuoles are quite prominent in several fields. The surrounding red blood cells include inflammatory cells. Neutrophils with lymphoid cells are identified. Some of the lymphoid cells are large. Malignant characteristics are not identified in this collection.

SPECIES

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Liver - Moderate hepatocellular lipidosis with vacuolization and granularity and mild inflammation.

BREED

Beagle

COMMENTS

The cellularity in the hepatocytes supports metabolic liver disease. This could be secondary to enteritis or pancreatitis. The lipidosis could also be secondary to steroid hepatopathy. There is no suggestion of malignant change or sepsis. There is mild inflammation which could be draining from the pancreas, intestine or other locations. In light of these cytologic changes in the liver, my suspicion is that there are inflammatory problems or disease problems in other organs including the pancreas. There may be lymphocytic cholangiohepatitis. Continued monitoring of other organs is encouraged. The liver appears to be responding secondarily.

AGE

16y

WEIGHT

28.2 lbs

HOSPITAL NAME

Newton Veterinary
Hospital

REFERRING VET

Dr. Kim

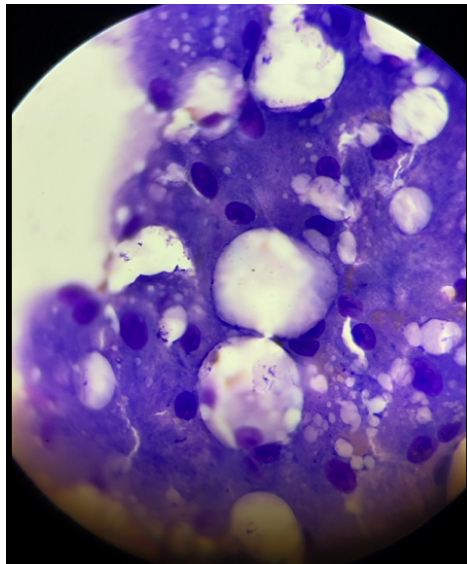


Image shows hepatocytes with vacuoles that are lipid and metabolic change collected from the liver in Bella. Some of the vacuoles are quite large.

INVOICE NUMBER

744



DATE

6/16/22

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.

INTERPRETED BY

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

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.

PATIENT

Bella Kuzel

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

SPECIES

Canine

BREED

Beagle

SEX

Female Spayed

AGE

16y

WEIGHT

28.2 lbs

HOSPITAL NAME

Newton Veterinary
Hospital

REFERRING VET

Dr. Kim

INVOICE NUMBER

744