



**DATE PRESENTING CLINICAL SIGNS**

1/23/23

Enlarged hyperechoic liver with few small (1cm) hypoechoic nodules.

**CYTOLOGY SUBMISSION**

Liver

**INTERPRETED BY**

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

**OBSERVATIONS**

Liver: Submitted are 9 excellent videos of excellent collections of cells from the liver in Lilah. There are aggregates of hepatocytes in all of the videos. Surrounding the hepatocytes are red blood cells with a few inflammatory cells. The inflammatory cells are mixed and include lymphocytes and neutrophils. The hepatocytes demonstrate vacuolization and granularity of the cytoplasm. There is mild anisocytosis and mild anisokaryosis. Malignant characteristics are not confirmed.

**PATIENT**

Lilah Hall

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Liver - Mild to moderate hepatocellular vacuolization and possible nodular hyperplasia.

**SPECIES COMMENTS**

Canine

The cellularity in this collection includes very good aggregates of hepatocytes. The hepatocytes demonstrate vacuolization and granularity. This suggests the possibility of some type of metabolic disease in Lilah. This change could be secondary to abnormalities in the pancreas or the intestine or possibly even Cushing's syndrome. I did not identify malignant characteristics in any of the cells but there could be mild nodular hyperplasia. The vacuolization could cause enlargement of the liver by itself. A guarded prognosis is warranted since the underlying process is not confirmed. These types of changes in the liver commonly occur secondarily.

**BREED**

Terrier Mix

**SEX**

Female Spayed

**AGE**

12y

**WEIGHT**

28 lbs

**HOSPITAL NAME**

Central Veterinary  
Hospital Albany

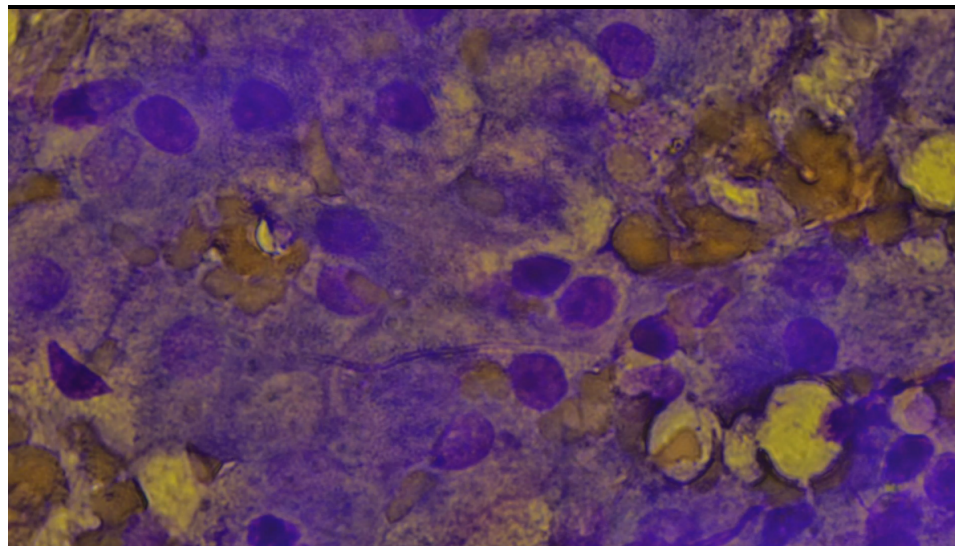


Image shows a representative group of hepatocytes with vacuolization and possible benign hyperplasia collected from the liver in Lilah. Note the vacuolated cytoplasm.

**REFERRING VET**

Dr. St. Sir

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.

**INVOICE NUMBER**

882



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1/23/23

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**PATIENT**

Lilah Hall

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